

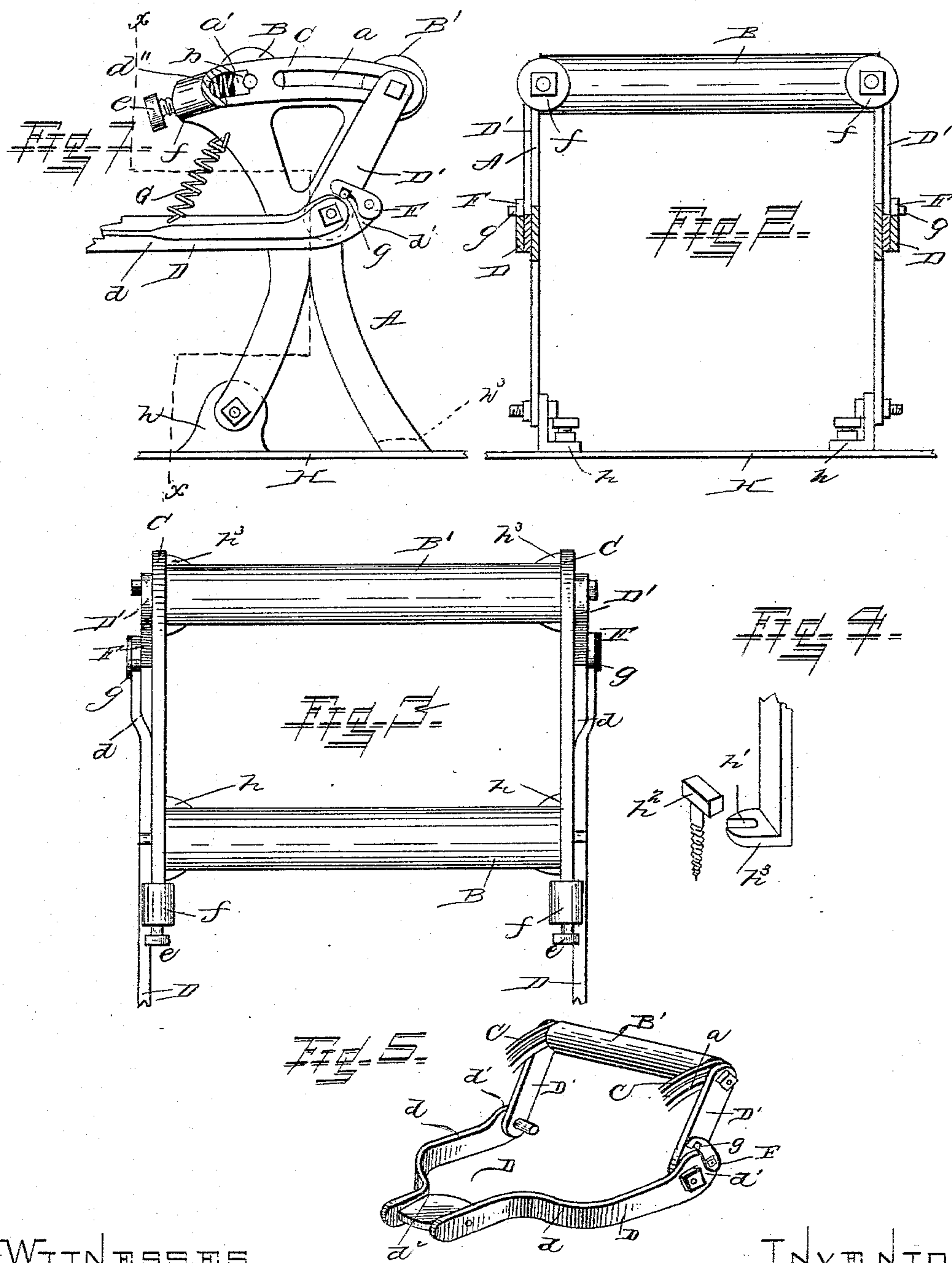
(No Model.)

L. BENNETT.

MOP WRINGER.

No. 356,913.

Patented Feb. 1, 1887.



WITNESSES.

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MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 356,913, dated February 1, 1887.

Application filed March 2, 1886. Serial No. 193,766. (No model.)

To all whom it may concern:

Be it known that I, LEWIS BENNETT, a citizen of the United States of America, residing at Litchfield, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Mop-Wringers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention pertains to improvements in mop-wringers; and the invention consists of the combinations of parts, including their construction, substantially as hereinafter set forth, and pointed out in the claims.

15 In the accompanying drawings, Figure 1 is a side elevation of a mop-wringer embodying my invention, a part being broken away to expose the front roller tension-spring. Fig. 2 is a sectional front elevation thereof, taken on the line $x x$, Fig. 1. Fig. 3 is a plan view of the same. Fig. 4 is a detailed perspective view of the foot of a hind or rear leg of a stand-
20 ard, with the upper portion of the leg broken away, also of the attaching-bolt; and Fig. 5 is a view in perspective of the treadle-levers and the adjunctive parts with the roller operated thereby, the whole being removed from the frame.

30 In the embodiment of my invention I employ standards A, in general of the usual construction, in and between the upper ends of which are journaled the wringing-rolls B, B', roll B' having, as is common, its trunnions or axes supported and arranged to slide in curved
35 slots a in cross-pieces C, cast or formed with and uniting the divergent ends of the upper arms of each standard. The other roll, B, has its trunnions or axes bearing in sockets, one half of each of which is formed in one end of a slot, a' , in the forward end of each cross-piece C, while the other half of each socket is formed in a block, b , fitted in said slot a' . Said block is held to its place against the roll trunnion or axis by a spring, d'' , also inserted into said
40 slot and acted upon by a holding and adjusting screw, e , fitted to work in a tubular extension, f , formed upon the forward end of each cross-piece C of a standard, A. Primarily these springs have for their object to permit
50 the yielding of the front or forward roll at one or both ends, should the same be unevenly acted upon by the uneven thickening up of

the mop when subjected to the squeezing or wringing action of the rolls. The screws serve to adjust the tension of the springs to com- 55 pensate for wear in the holding-blocks b .

D D are the foot-levers, consisting each of a long and a short arm, $d d'$, which, unlike the common form, are devoid of the upward ex-
60 tensions, said levers being pivoted one to each upper rear arm of a standard, A, at the point of juncture of the long and short arms of the levers or treadles. The outer forward ends of the long arm D of the levers are, as custom-
65 ary, connected by a cross-bar, d'' , forming a treadle designed to receive the foot of the person performing the wringing operation. Upon the same pivots connecting the levers D to their supports or standards are also secured or supported bars D', the upper ends of which
70 are connected to the projecting ends of the trunnions of the sliding roll B'. The bars D' are detachably connected to the pivots or fulcrums of the levers D, so as to substantially form a part of or serve as supplemental short
75 arms of the levers by means of latches F, pivoted to the short arms d' of the levers, and adapted to catch over studs or projections g upon the arms or bars. By this arrangement the levers can be readily taken off to render
80 the same more convenient for packing. The latches F are rigidly secured to the said short arms d' , and are each provided with a small slot or approximately square opening, wherein the stud or projection g is caused to pro-
85 ject, said stud or projection resting against the side and end walls of said slot or opening. The levers D are held in their normal or elevated position and the wringer-roll B' in the retracted position shown in Fig. 1 by means
90 of the coil-springs G, one end of each spring being connected to each lever of the treadle and the other end to the upper forward end of the standards A.

The rear and front arms or legs of the stand- 95 ards A are provided with feet $h h^3$, arranged upon the inner sides thereof, the rear feet, h^3 , being provided with open slots h' , through which are passed T-bolts h^2 , for securing the same to the base or platform H, upon which
100 the wringer is mounted. By turning the bolts h^2 so as to present their heads lengthwise to the lengths of the slots h' in the feet h^3 the latter can be readily lifted from the platform,

in order to permit the tilting of the wringer, so as to cause it to rest sidewise upon the platform, as would be the more desirable position in which to dispose or place it for shipment or packing. In order to permit the wringer to be thus tilted and placed, the forward feet, *h*, are made angular and separate from their legs, the latter being pivoted to the former, the flat or horizontal portions of the feet being bolted to the platform or base.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a mop-wringer, the combination, with the standards and rolls, of the treadle, the levers comprising the long and short arms, and the bars connected to the trunnions of one

roll and to the fulcrums of said levers, said bars and levers being connected together, substantially as shown and described.

2. In a mop-wringer, the combination, with the standards and rolls of the treadle and levers, the bars connected to the fulcrums of the levers and to the trunnions or axes of one roll, and the latches secured to the short arms of said levers connecting with studs or projections on said bars, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS BENNETT.

Witnesses:

W. G. SKEEL,
D. LEWIS.