

W. Gage,  
Mach. Head.

No. 106,684.

Patented Aug. 23, 1870.

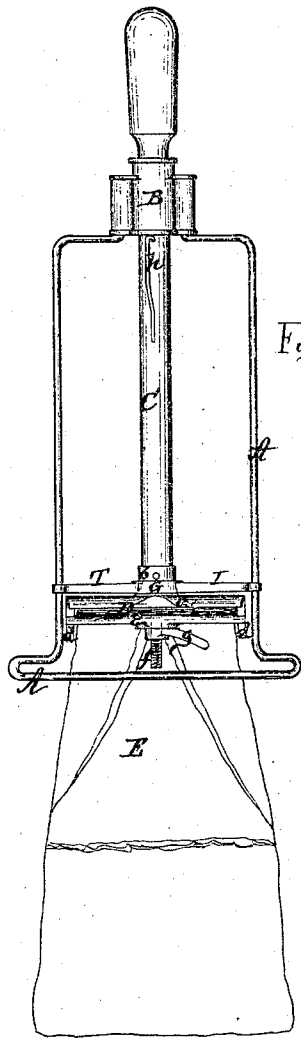


Fig. 1.

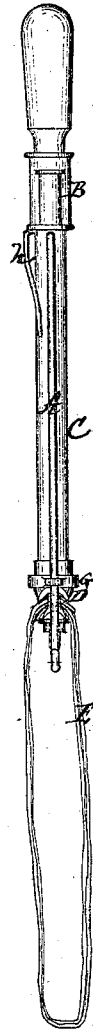


Fig. 2.

Witnesses:

Chas. Jacobs  
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# United States Patent Office.

WILLIAM GAGE, OF BUFFALO, NEW YORK.

Letters Patent No. 106,684, dated August 23, 1870.

## IMPROVEMENT IN COMBINED MOP-HEAD AND WRINGER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM GAGE, of Buffalo city, in the county of Erie and State of New York, have invented certain new and useful Improvements in Combined Mop-Wringer and Head; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a combined mop-head and wringer, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side view, and

Figure 2, an edge view of my improved mop-head.

A represents a wire frame of the peculiar construction shown in fig. 1, its upper end being attached to a collar or socket, B, through which the handle C passes.

Upon the lower end of the handle C is secured the head D, which is composed of a bar, *a*, provided on its upper side, in the center, with a socket, *b*, for the insertion of the handle, and at each end a pin, *d*, projects downward.

The pins *d d* pass through holes or slots in the ends of another bar, *e*, which is held up to the bar *a* by means of a set nut, *g*, working on a screw, *f*, which projects downward from the bar *a*, and through a hole in the center of the bar *e*.

Between the bars *a* and *e* of the head D the ends of the mop-cloth E are firmly clamped.

Around the socket *b* of the head D is a loose collar, G, confined on the same by pins *i i*, and from

which arms I I extend. The outer ends of these arms form loops, or are provided with holes, through which the sides of the frame A pass; the arms I I, with the collar G, thus forming guides for the lower end of the handle C.

When the handle is moved down in the position shown in the drawing, the handle is held by a spring, *h*, which bears against the under edge of the socket B. By pushing this spring in the handle C with the head D, cloth E and arms I I may be moved up in the frame. When in this position the handle may be turned so as to wring the mop-cloth, on itself, between the sides of the frame, the bottom of the frame holding the mop-cloth, while the top supports the head and other end of the doubled cloth.

If a mop-cloth is wrung so as to come in contact with any foreign substance, for instance, twisted on its own handle, it can never be wrung out dry; hence, the importance of constructing the head and frame in such a manner that it can be wrung on itself.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The head D, constructed as described, of the bars *a e*, pins *d d*, screw *f*, and set nut *g*, for clamping the ends of the mop-cloth, as herein set forth.

2. In combination with the above, the frame A, handle C, head D, cloth E, and collar G, with arms I I, all constructed and arranged as described, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

WILLIAM GAGE.

Witnesses:

LAURANCE McDONALD,  
GEO. S. JACOBIN.