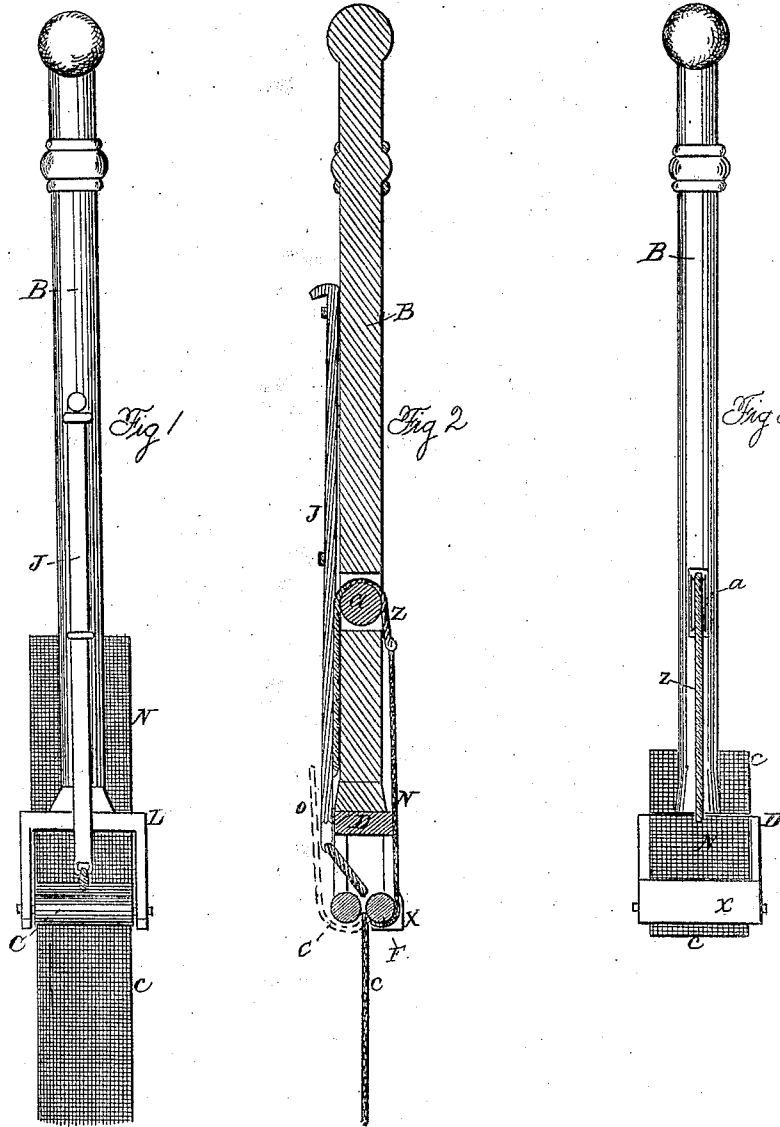


D. J. STONE.

Mop-Wringer.

No. 78,618.

Patented June 2, 1868.



Witnesses
H. Foster
Benjamin Arnold

Daniel P. Stone

UNITED STATES PATENT OFFICE.

DANIEL J. STONE, OF WARWICK, RHODE ISLAND.

IMPROVED MOP-WRINGER.

Specification forming part of Letters Patent No. 78,618, dated June 2, 1868.

To all whom it may concern:

Be it known that I, DANIEL J. STONE, of Warwick, in the county of Kent and State of Rhode Island, have invented a new and Improved Self-Wringing Mop; and I do hereby declare that the following is a full and correct description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, all forming a part of this specification.

Figure 1 is a front view. Fig. 2 is a section, taken from front to back, down through the center of the handle. Fig. 3 is a back view.

The construction is as follows: To a suitable handle, B, is secured a head-frame, D, consisting of a plate with a socket for the handle, and four standards to hold the rolls C F, and a plate, *x*, which extends across from one of the back standards to the other in a direction parallel with the rolls. A slide, J, is secured to the front of the handle B, to slide up and down the handle in staples or some other convenient fastenings.

a is a small pulley, let into the handle under the slide J. The cloth *c*, that constitutes the mop, is placed between the rolls C F and is attached to the end of the slide J. The same end of the mop-cloth *c* is fastened to the end of a piece of cloth or other suitable material, N, which passes out between the rolls with the mop-cloth, but is carried over the back roll, F, up under the plate *x*, and is fastened to the cord *z*, which is carried up over the pulley *a*, then down in front and fastened to the slide J. The plate *x* has an edge in front for the purpose of scraping the floor, if necessary.

The use or operation is as follows: The slide J being shoved down, the mop-cloth *c* is wet, and being dropped on the floor under the plate J can be pushed back and forward over the floor. If the floor requires scraping in spots, the mop-cloth can be flung over the front roll, (see dotted lines *o*, Fig. 2,) and the edge of the scraper *x* can be applied to the floor with great effect. When the mop requires wringing, the slide J is drawn up by the handle at the top, and this draws the mop-cloth through between the rolls with the apron N, which squeezes the water out of it. Then, by pushing the slide J down again, the cord and apron N will draw out the mop-cloth *c*, and it is ready to wet and use again. This way of wringing squeezes the water out of the cloth more uniformly and with much less wear and tear to the cloth than any of the usual ways of twisting it.

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

1. The combination of the rolls, apron, and rod for operating the same, when arranged as herein set forth, and for the purpose specified.

2. The combination of the rolls C F and plate *x*, as herein set forth, and for the purpose specified.

DANIEL J. STONE.

Witnesses:

H. N. FOSTER,
BENJAMIN ARNOLD.