

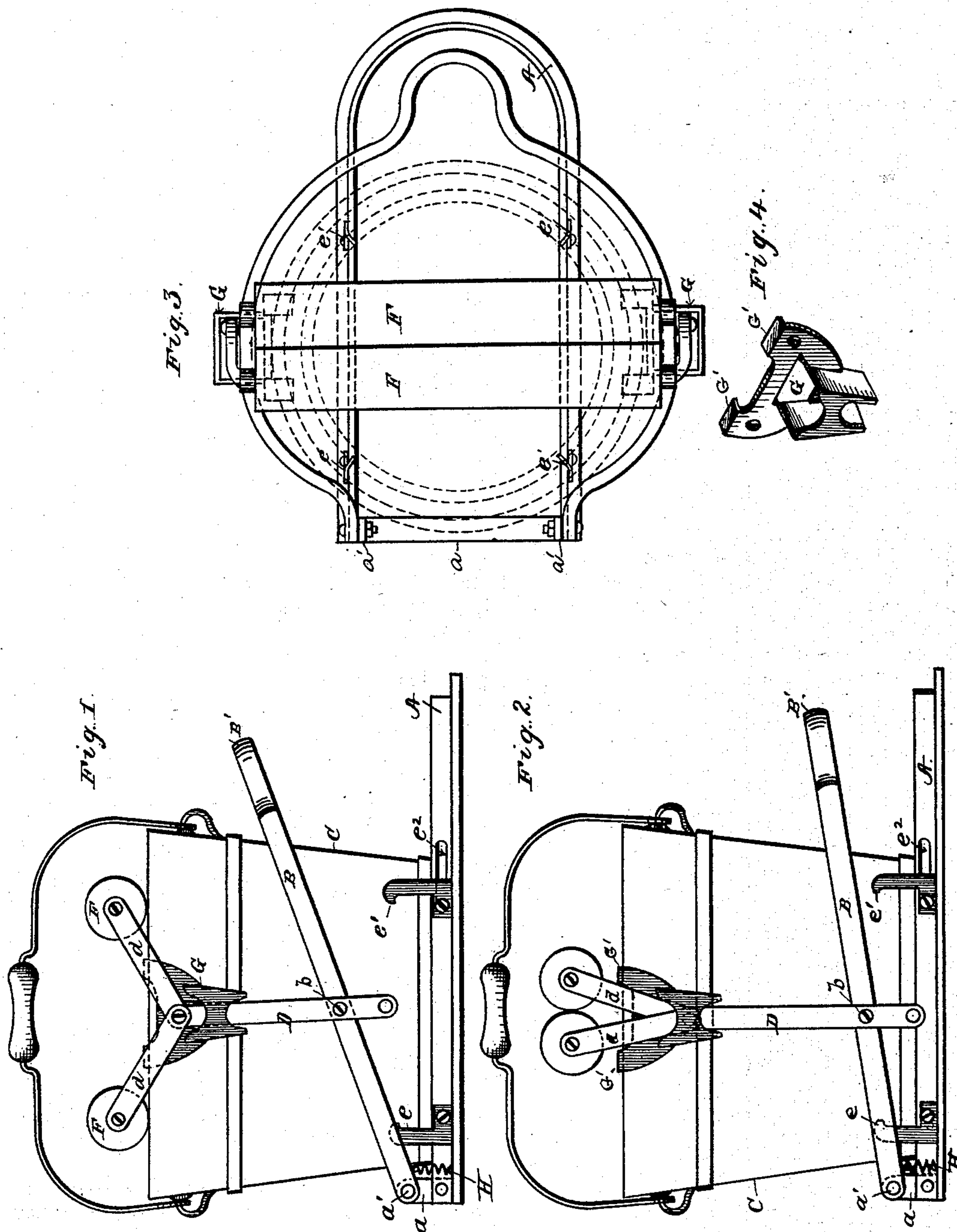
(No Model.)

S. H. SCHMUCK.

MOP WRINGER.

No. 413,209.

Patented Oct. 22, 1889.



Witnesses.

W. R. Edlin.

Es. Nottingham

Inventor.

Solomon H. Schmuck.

By Ieggott & Ieggott
Att'ys

UNITED STATES PATENT OFFICE.

SOLOMON H. SCHMUCK, OF CLEVELAND, OHIO.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 413,209, dated October 22, 1889.

Application filed May 1, 1889. Serial No. 309,312. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON H. SCHMUCK, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Mop-Wringers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in mop-wringers; and it consists in certain features of construction and in combination of parts hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 are side elevations showing, respectively, the wringer open and closed. Fig. 3 is a plan showing the pail in dotted lines. Fig. 4 is a perspective of yoke G.

The base consists of light angle-iron A bent U-shaped, as shown, the ends thereof being connected by a tie-bar *a*. The latter consists of a light flat bar of metal bent upward at the ends and riveted to the angle-iron, the extreme ends thereof *a'* extending above the angle-iron and serving as ears for pivotally attaching the treadle B. The pail C rests on and is secured to the base by means of hooked fingers *e e'*, the points thereof presenting toward the center of the pail. Fingers *e* are rigidly fastened to the base, while fingers *e'* are adjustably secured by means of bolts, the latter operating in slots *e²* of the base, whereby fingers *e'* may be adjusted to accommodate the sizes of the pail. Treadle B curves outward to clear the pail, and the central portion of the treadle is brought forward, as shown at B', far enough to serve as a foot-rest. Links D are pivoted to the treadle on either side thereof at *b*, one or more extra holes being made in the links to accommodate different lengths of pails. To the upper ends of links D are respectively pivoted a pair of short links *d d*. The upper ends of the latter are pierced laterally for receiving the trunnions of rollers F.

G G are yokes that embrace loosely, respectively, a pair of links *d d*. These yokes are flanged inward at G' to hook over the edge of the pail for support. These yokes might

be attached to a standard projecting upward from the base; but this will increase the cost of the device, and hence I prefer attaching the yokes to the pail.

H H are spiral springs located between and engaging the base and treadle for holding the latter elevated. The location and variety of spring for this purpose are not material. When the treadle is in its normal or elevated position, links *d d* are thrust so far out of the embrace of the yokes that the rollers by gravity open or spread apart, as shown in Fig. 1, far enough to admit the mop being passed downward between the rollers into the pail. In removing the mop from the pail, by depressing the treadle with the foot, each pair of links *d d*, by their engaging with the embracing-yokes, are collapsed, whereby the rollers are caused to embrace the mop with great force, so as to wring the mop comparatively dry in drawing it out between the rollers.

The device is simple, strong, durable, and effective, and can be made at a small initial cost, and by reason of its being constructed in the main of wrought metal it is so light that it is easily carried around with the pail.

What I claim is—

1. In a mop-wringer, the combination, with rollers mounted on links, the latter being arranged in pairs and operatively connected with a depressible treadle, of yokes embracing, respectively, each pair of links for collapsing the links with the depression of the latter, substantially as set forth.

2. The combination, with a base, a treadle pivoted thereto, and a receptacle mounted thereon, of yokes secured to the sides of the receptacle, links arranged in pairs and passing through the yokes, and rollers mounted in the upper ends of the links, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 12th day of April, 1889.

SOLOMON H. SCHMUCK.

Witnesses:

CHAS. H. DORER,
ALBERT E. LYNCH.