

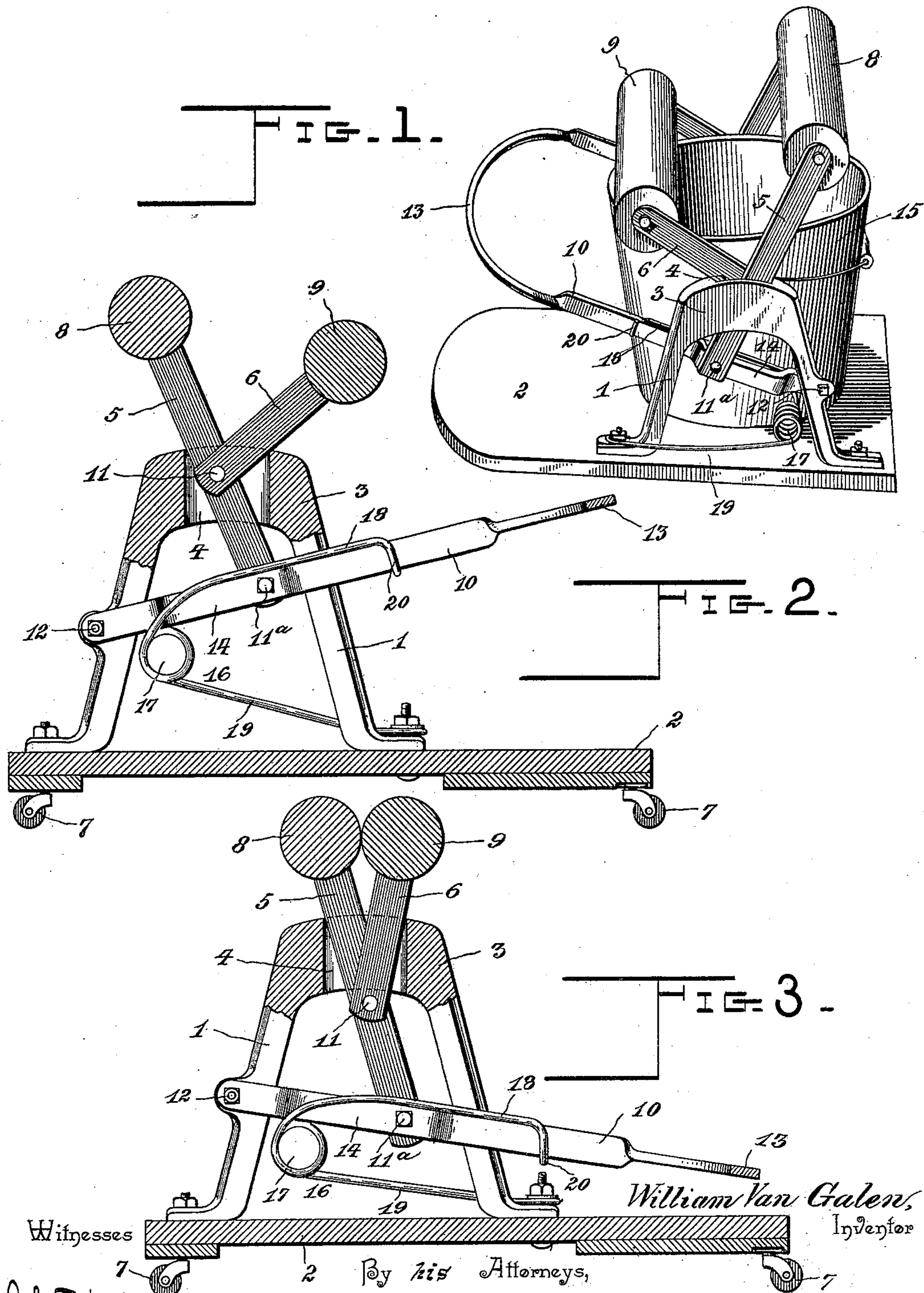
No. 621,481.

Patented Mar. 21, 1899.

W. VAN GALEN.
MOP WRINGER.

(Application filed June 8, 1898.)

(No Model.)



UNITED STATES PATENT OFFICE.

WILLIAM VAN GALEN, OF BING, WISCONSIN.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 621,481, dated March 21, 1899.

Application filed June 8, 1898. Serial No. 682,913. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM VAN GALEN, a citizen of the United States, residing at Bing, in the county of Fond du Lac and State of Wisconsin, have invented a new and useful Mop-Wringer, of which the following is a specification.

The invention relates to improvements in mop-wringers.

10 The object of the present invention is to improve the construction of mop-wringers and to provide a simple and comparatively inexpensive one which will be portable and in which the various parts will be mounted independently of a pail in order that the latter may be readily removed from the mop-wringer, so that it may be emptied without carrying the latter with it.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

25 In the drawings, Figure 1 is a perspective view of a mop-wringer constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view, the rolls being in their normal position. Fig. 3 is a similar view, the wringer being closed.

30 Like numerals of reference designate corresponding parts in all the figures of the drawings.

35 1 1 designate a pair of substantially inverted-U-shaped standards mounted upon a base or platform 2 and composed of two sides or legs and a connecting top portion 3, which is provided with a vertical opening 4, extending longitudinally of the connecting portion and receiving a long link-bar 5 and a short link-bar 6. The lower ends of the sides or legs of the standards are extended forward or rearward to form feet and are perforated for the reception of bolts or other suitable fastening devices, which pass through the base or platform. The base or platform is mounted upon casters 7 and is adapted to be readily moved from one place to another without carrying it.

50 The links 5 and 6, which are arranged in pairs at each side of the mop-wringer, support a pair of transverse rolls 8 and 9, which are suitably journaled on the upper ends of

the links. The long link 5, which is constructed of a continuous bar of metal, extends from a foot-lever 10 through the opening 4 55 to a point above the standards. The short links 6, which support the roll 9, are pivoted at their lower ends at 11 to the long links, near the centers thereof, and they diverge from the upper portions of the long links, whereby 60 the rolls are separated, as illustrated in Figs. 1 and 2 of the accompanying drawings.

The mop-wringer is closed by drawing the link-bars downward through the openings of the standards and are opened by thrusting 65 the link-bars upward. To accomplish this result, the lower ends of the long link-bars are pivoted by bolts 11^a or other suitable fastening devices to the foot-lever 10, which is substantially U-shaped, being pivoted at the 70 terminals of its sides by bolts 12 or other suitable fastening devices to the rear sides or legs of the standards. The rear sides or legs of the standards are provided with perforated enlargements or ears to receive the pivots 12, 75 and the U-shaped foot-lever is constructed of a continuous bar of metal, which is given a quarter-turn at each side adjacent to the front portion 13 to arrange the latter horizontally, and the side portions, which have 80 their faces vertical, are outwardly bent at 14 to bring them beneath the openings of the standards.

The platform or base is adapted to receive an ordinary bucket or pail 15, which may be 85 readily removed from the mop-wringer, so that it can be emptied or filled without carrying the device with it. The rollers are held normally separated by means of a spring 16, arranged at one side of the mop-wringer and 90 consisting of a coil 17 and upper and lower arms 18 and 19. The lower arm 19 is secured to the base or platform by the fastening device of the front side or leg of the adjacent standard, and the upper arm is provided with 95 a hook 20, which engages the adjacent side of the foot-lever.

To operate the mop-wringer, a mop is placed between the rolls and the foot-lever is pressed downward, causing the rolls to engage the mop, which is pulled outward, thereby wringing the same. 100

It will be seen that the mop-wringer is simple and comparatively inexpensive in con-

struction, that it is portable and entirely independent of a pail or bucket which may be readily placed on and removed from it, and that the long links extend directly from one
5 of the rolls to the foot-lever.

What I claim is—

A portable mop-wringer, comprising a platform or base adapted to receive an ordinary pail or receptacle, the standards mounted
10 upon the base or platform and composed of front and rear legs, and upper connecting portions provided with vertical openings, the substantially U-shaped foot-lever fulcrumed on the rear legs of the standards, the long continuous link-bars extending through the openings of the standards and pivoted at their
15 lower ends to the sides of the foot-lever, the

short link-bars diverging from the upper portions of the long link-bars and pivoted at their lower ends to the centers of the same, 20 said link-bars being adapted to be drawn downward through the openings of the standards, a pair of rolls mounted on the upper ends of the link-bars, and a spring for supporting the foot-lever normally elevated, substantially as described. 25

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM VAN GALEN.

Witnesses:

S. S. GORDEN,

CLYDE L. WARREN.