

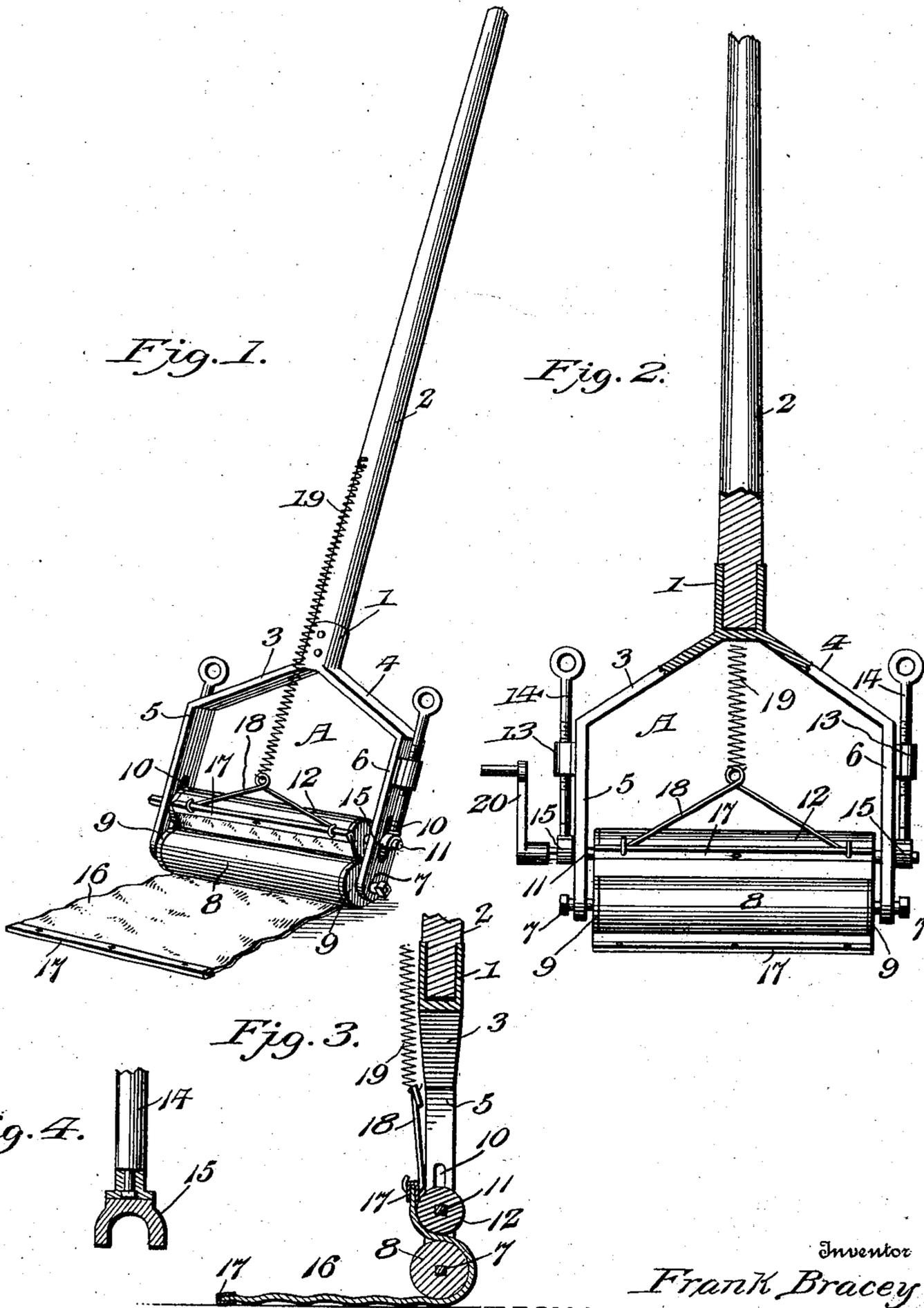
No. 708,857.

Patented Sept. 9, 1902.

F. BRACEY.  
COMBINED MOP AND WRINGER.

(Application filed Apr. 25, 1902.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

FRANK BRACEY, OF JEFFERSON CITY, MISSOURI.

## COMBINED MOP AND WRINGER.

SPECIFICATION forming part of Letters Patent No. 708,857, dated September 9, 1902.

Application filed April 25, 1902. Serial No. 104,727. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK BRACEY, a citizen of the United States, a prisoner, register No. 1285, in Jefferson City prison, Jefferson City, Missouri, have invented new and useful Improvements in a Combined Mop and Wringer, of which the following is a specification.

My invention has relation to improvements in combined mops and wringers; and the objects are to provide a new and improved implement of the kind named and for the purpose of cleaning and rinsing floors and similar surfaces which is of simplified construction, efficient in operation and results, and durable in use.

With these objects in view the invention consists in the novelty of certain parts and their particular arrangement and aggroupment in operative combinations, as will be hereinafter specified and particularly pointed out and distinctly claimed.

I accomplish the purposes of my invention by the constructions and means illustrated in the accompanying drawings, forming a part hereof, and wherein—

Figure 1 is a perspective view of the complete implement, showing the mop extended. Fig. 2 is a view in front elevation of the complete device. Fig. 3 is a vertical central sectional view. Fig. 4 is a detail view of the lower forked end of one of the pressing-screws.

Referring to the drawings, A designates the frame of the implement, made of a flat bar of iron, malleable or wrought, and formed with a socket 1, into which the lower end of the handle 2 fits and is secured. From the socket the frame extends in both directions, inclined downward, as at 3 4, and at the termination of the inclined portions are extended vertically downward side arms parallel with each other, as at 5 6, and form the supports which carry the rollers and other elements. In the ends of the arms 5 6 is journaled a shaft 7, on which is fixedly mounted the lower or floor roller 8, having end plates or disks 9 9 secured to the ends for protection and to prevent the roller from moving endwise on the shaft. The shaft 7 is made square in cross-section and fits a corresponding passage through the roller, whereby the roller is held to turn with the shaft. The

arms 5 6 have oppositely-arranged vertical slots 10 10 alining with each other and wherein are slidably disposed the ends of the wringer-roller shaft 11, which projects beyond the faces of the arms, as shown. On the shaft 11 is fast mounted the wringer-roller 12, preferably of smaller diameter than the lever-roller 8, so as to bring a more acute pressing-surface in contact with the material of the mop between the rollers. On the outer face of each of the arms 5 6 is mounted a bracket 13, formed with a vertical sleeve having interior screw-threads, wherein engage the threaded stems of pressing-rods 14, formed with forked lower ends 15, which straddle the projecting ends of the journals of the wringing-roller. It will be perceived that by adjusting the rods 14 the pressure of the wringer-roller will be relieved or increased.

16 designates the mop, made of any suitable textile material, preferably a rectangular piece. Each end of the mop has a metal binding-plate 17 17 secured thereto, the free end of the mop being thus kept flat and in constant contact with the floor. The upper binding-strip is provided with eyes, wherein the ends of a bail 18 are connected, the middle of the bail being fastened to the lower end of a contractile spring 19, having its upper end fastened to the handle. This spring will keep the upper end portion of the mop always stretched and out of interference with the other elements.

To run the mop through between the rollers, a crank-handle 20 is detachably mounted on the end of the shaft of the wringing-roller, as shown in Fig. 2 of the drawings.

Having described my invention, what I claim is—

1. The combination with the rollers and the mop; of a retractile spring secured to the upper end of the mop.
2. The combination with the rollers and the mop, of a bail, secured to the upper end of the mop, and a retractile spring secured to the bail.
3. A mop and wringer comprising a frame, having slotted side arms, a roller journaled in the ends of the arms, a wringing-roller journaled in the slots of the frame, a mop between the rollers, a contractile spring to keep the upper portion of the mop stretched, and

means to press the wringing-roller down on the mop.

4. A mop and wringer comprising a frame having slotted side arms, a roller journaled in the ends of the arms, a roller journaled in said slots, a mop between the rollers, a bail secured to the upper end of the mop, a retractile spring secured to the bail, threaded sleeves on the side arms of the frame, and

threaded rods, in the sleeves, having forked lower ends to engage over the ends of the journals of the roller, in the slotted bearings.

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

FRANK BRACEY.

Witnesses:

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