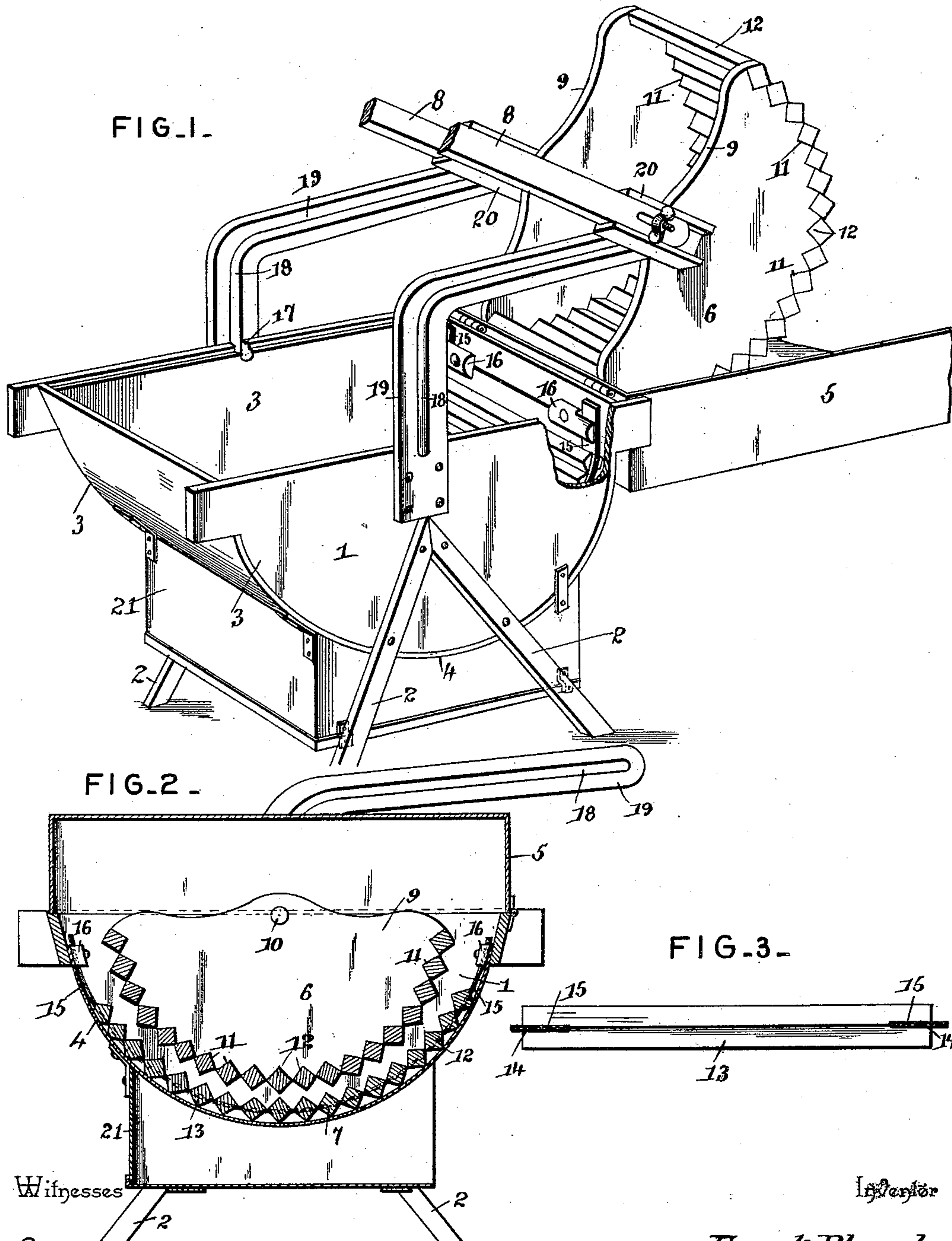


(No Model.)

F. PLUMB.
WASHING MACHINE.

No. 477,334.

Patented June 21, 1892.



Witnesses
Jas. H. McEachron
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

FRANK PLUMB, OF SUNFIELD, MICHIGAN.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 477,334, dated June 21, 1892.

Application filed September 29, 1891. Serial No. 407,163. (No model.)

To all whom it may concern:

Be it known that I, FRANK PLUMB, a citizen of the United States, residing at Sunfield, in the county of Eaton and State of Michigan, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to improvements in washing-machines.

10 The object of the present invention is to provide a simple and inexpensive washing-machine, in which clothes may be rapidly washed without injury to them and in which machine after the operation of washing has been completed the drippings from the rubber will be caught and be prevented falling upon a floor or carpet.

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 washing-machine constructed in accordance with this invention, the cover being thrown back and the rubber being suspended over the cover. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a detail sectional view of the stationary rubber.

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

1 designates an approximately semi-cylindrical washing-machine body supported by inclined legs 2 and composed of segmental sides, 3 and a curved bottom 4, and having a rectangular cover 5, constructed of sheet metal and fitting closely on the body to prevent the escape of steam and adapted to be swung back, as illustrated in Fig. 1 of the accompanying drawings, to receive drippings from the rubber 6 to prevent water dropping upon a floor or carpet. The rubber 6 acts in conjunction with a stationary rubber 7, and is designed to be oscillated by handles or levers 8, and it is composed of approximately segmental side pieces 9, having laterally-extending journals 10 and provided in its periphery with angular recesses 11 and transverse slats 12, which are squared and have their ends secured in the angular recesses, thereby pre-

55 sending their edges to the clothes and forming a rubbing-surface. The stationary rubber consists of a series of transverse slats 13, arranged similar to the slats 12 of the oscillating rubber and provided at their ends with grooves 14 and connected by metal strips 15, arranged in the grooves. The stationary rubber fits snugly against the curved bottom of the washing-machine, the sides of which prevent the metal strips becoming displaced from the grooves, and the said stationary rubber is secured by buttons 16, pivoted at the ends of the body and arranged to engage the metal strips 15. The metal strips, and the sheet-metal bottom are preferably constructed of galvanized iron, and the stationary rubber, as above described, requires no nails for securing the slats together, thereby avoiding all liability of staining the clothes by rust.

70 The journals are arranged in bearing-recesses 17 of the sides 3 and in slots 18 of arms 19, and are provided at their ends with casings 20, adapted for reception of handles 8, which are adjustably secured in the casings to enable the machine to be adapted to different-sized persons. The arms extend vertically and horizontally over the end of the body to which the cover is hinged, and are approximately L-shaped, and their slots extend throughout their length to enable the oscillating rubber to be moved along the arms to the ends thereof, as illustrated in Fig. 1, whereby the cover will receive the drippings.

85 A fire chamber or box 21 is arranged beneath the body and is adapted to contain a lamp or other hydrocarbon-burner, whereby water may be heated to the required temperature within the body to obviate the necessity of heating water by means of a stove, which is unpleasant in warm weather.

95 It will be seen that the washing-machine is simple and comparatively inexpensive in construction, that it is adapted to wash clothes quickly, and that the drippings from the rubber are prevented falling upon a floor or carpet, and it will also be seen that the cover will retain steam within the body, which greatly aids in cleaning the clothes.

What I claim is—

100 In a washing-machine, the combination of the body, a cover hinged to one end of the

body and adapted to be thrown back and supported in a horizontal position to form a drip-pan, approximately L-shaped arms slotted throughout their length and secured to the
5 sides of the body extending upward and horizontally over the end of the body to which the cover is hinged and over the latter when the same is in a horizontal position, a stationary rubber arranged within the body, and
10 an oscillating rubber provided with journals

arranged in the slots of the arms, substantially as and for the purpose described.

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

FRANK PLUMB.

Witnesses:

B. J. KNAPP,

H. KNAPP.