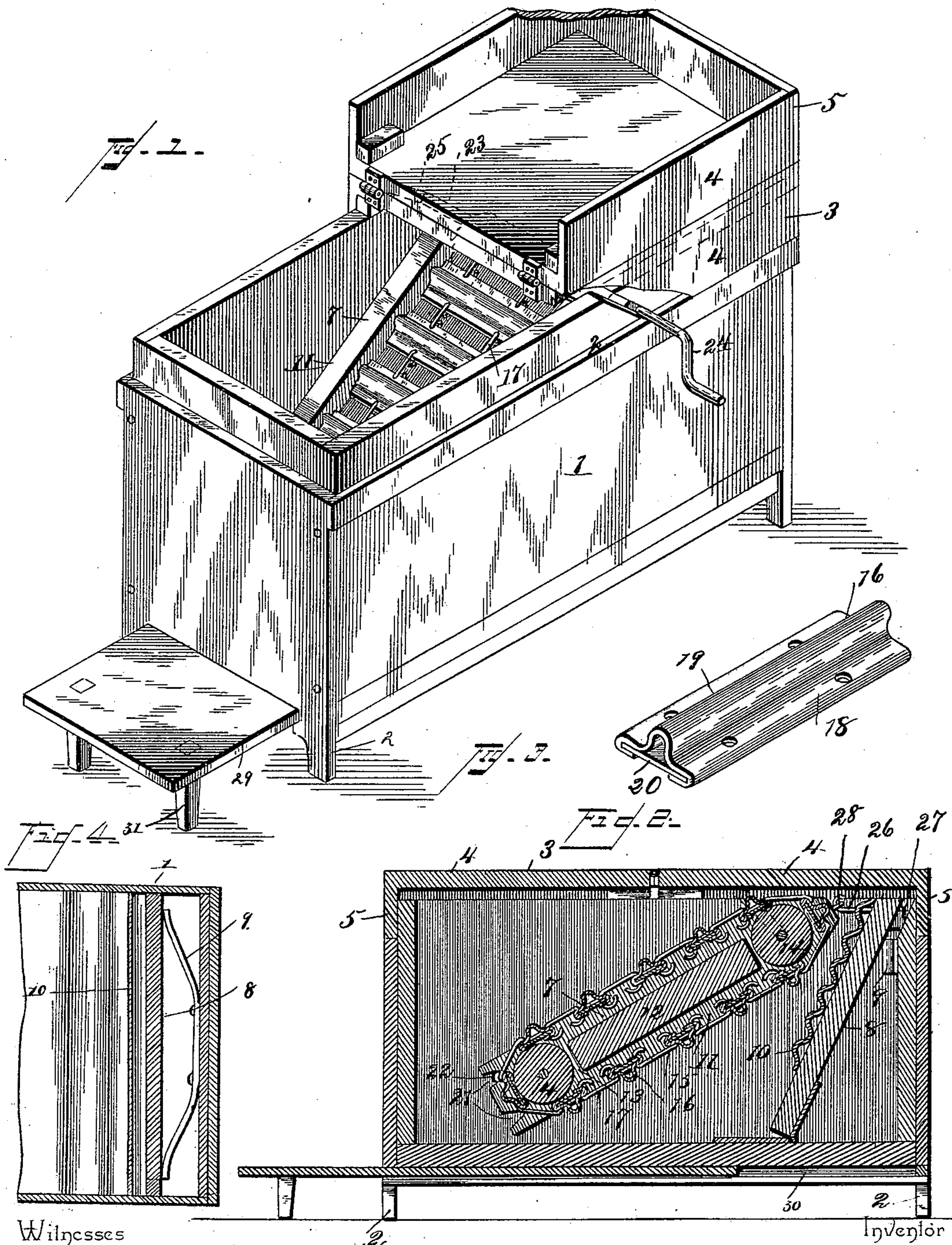


(No Model.)

W. H. PARKER.
WASHING MACHINE.

No. 449,694.

Patented Apr. 7, 1891.



Witnesses

H. L. Ourand

H. J. Riley

By his Attorneys.

William H. Parker,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WILLIAM H. PARKER, OF GENEVA, NEBRASKA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 449,694, dated April 7, 1891.

Application filed June 23, 1890. Serial No. 356,469. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. PARKER, a citizen of the United States, residing at Geneva, in the county of Fillmore and State of Nebraska, 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 simplify and improve the construction of endless rubber washing-machines, and enable the endless rubber and rubber-board to be readily separated to facilitate removing the clothes and cleaning the machine.

15 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 claims hereto appended.

20 In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention, one section of the hinge top being open. Fig. 2 is a longitudinal sectional view. Fig. 3 is a detail view of one of the slats of the endless rubber. Fig. 4 is a detail sectional view.

25 Referring to the accompanying drawings, 1 designates the body of a washing-machine constructed of suitable material and preferably rectangular, and supported by legs 2, arranged at the corners and provided with a cover 3, composed of hinged sections 4, having depending flanges 5, adapted to rest upon strips 6, secured to the side of the washing-machine body. Within the body is arranged an inclined frame 7, supporting an endless rubber, which acts in conjunction with a rubbing-board 8, said rubbing-board having its lower end hinged to the bottom of the body and its upper end supported by a spring 9, secured to the inner face of one end of the body near the upper edge thereof, and the said rubbing-board is provided with a corrugated zinc rubbing-plate 10.

30 The inclined frame is composed of parallel sides 11 and a rectangular board 12, secured to the sides and connecting the same and arranged equidistant of the ends thereof. The connecting-board 12 extends within a short

distance of the ends of the side boards, and in the spaces 13 are arranged rollers 14, journaled in the sides of the frame and carrying an endless rubber 15, composed of slats 16, connected by links 17, and adapted to be operated by the rollers and to co-operate with the rubbing-board in washing clothes, the slats 16 of top plates 18 having a longitudinal outward bend forming a rib or bead 19, adapted to rub against clothes, and a bottom-supporting plate 20, against the lower face of which are upset the longitudinal edges of the top plate, and the said slats are provided with perforations through which pass the links 17, that connect the slats and form the endless rubber. The lower edges of the sides of the inclined frame are provided with notches 21, adapted to engage oppositely-disposed journals 22, arranged upon the inner faces of the side of the body near the bottom thereof and adapted to hinge the lower end of the inclined plane and enable the frame to be swung away and separated from the rubbing-board to facilitate the removal of clothes and enable the parts of the machine to be readily accessible for cleaning and the like. One of the sides of the inclined frame is provided with a laterally-extending pin 23, and the journal of the upper roller extends through the other side of the frame and terminates in a crank-handle 24, and the said pin 23 and handle 24 are arranged when the parts are in operative position in inclined slots 25 of the sides of the body, and the inclined frame is maintained in proper relation to the rubbing-board and the crank-handle and pin retained in the inclined slots by hooks 26, secured to blocks 27, and arranged to engage eyes 28 of the upper ends of the frame. The endless rubber which co-operates with the rubbing-board is operated by the crank-handle in the usual manner, and from the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will be readily understood.

95 The washing-machine is provided with a rack adapted to hold a clothes-basket, tub, or the like, and capable of being concealed beneath the machine when not in use, and comprising a board 29, sliding in ways 30 and pro-

vided at its front end with legs 31, adapted to support the board when it is withdrawn and in operative position.

Having described my invention, what I claim is—

1. In a washing-machine, the combination of the body provided in its upper edge with inclined slots, the rubbing-board hinged to the bottom of the body and arranged at one end of the body, the spring interposed between the upper end of the rubbing-board and the body and secured to the latter, the inclined frame carrying the endless rubber and having its lower end hinged to the body and provided at its upper end with the pin and the crank-arm arranged in the inclined slots, and suitable means for securing the inclined frame

in proper relation to the rubbing-board, substantially as described.

2. In a washing-machine, an endless rubber consisting of slats composed of top plates provided with longitudinal ribs or bends, and the bottom plate having the longitudinal edges of the top plate upset against its lower face, and the links connecting the slats, substantially as described.

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

WILLIAM H. PARKER.

Witnesses:

B. B. MOZEL,

GEO. F. ARNOLD.