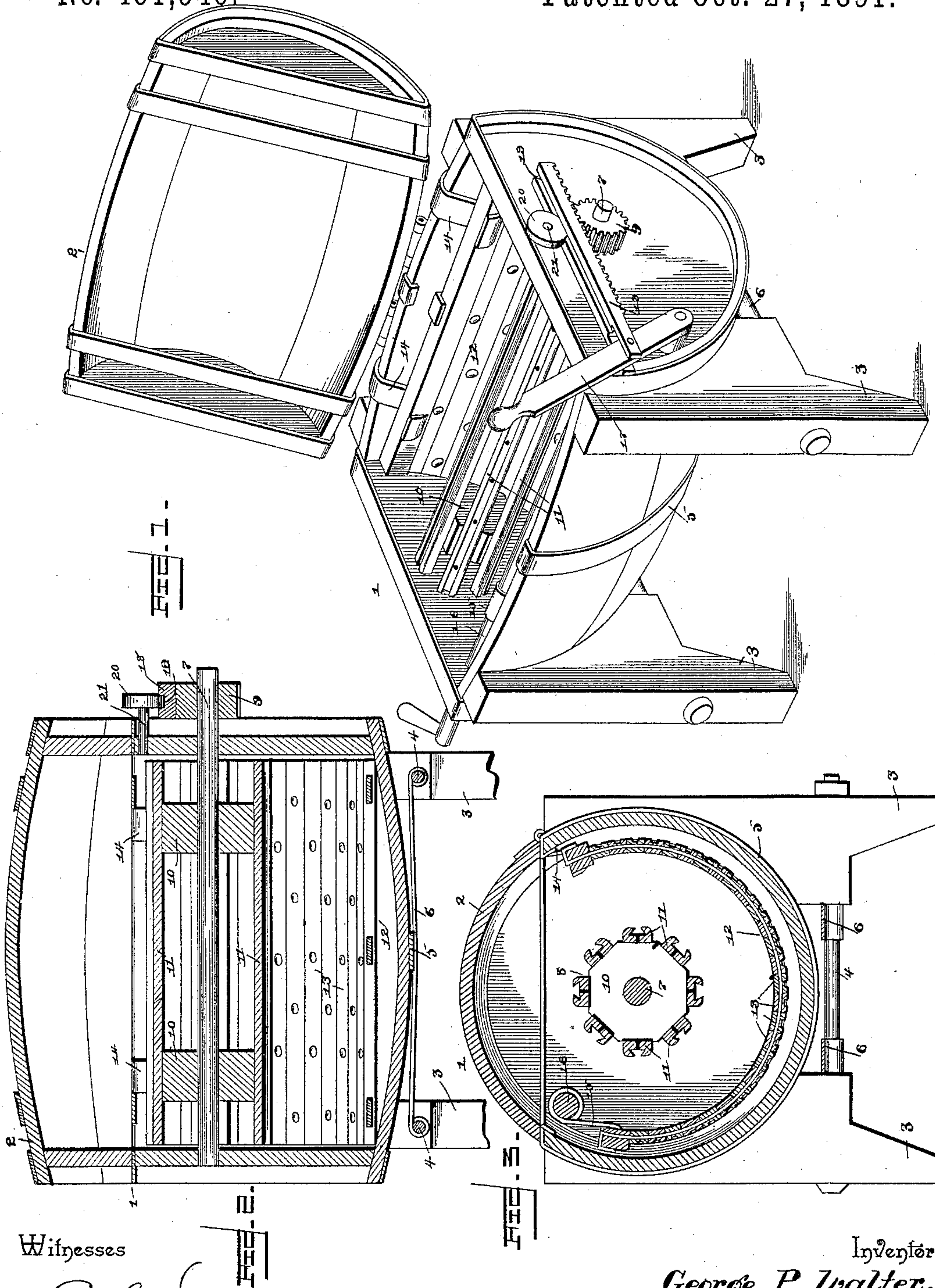


(No Model.)

G. P. WALTER.
WASHING MACHINE.

No. 461,946.

Patented Oct. 27, 1891.



Witnesses

E. S. Duval Jr.
H. P. Ray

By his Attorneys,

C. A. Snow & Co.

Inventor
George P. Walter.

UNITED STATES PATENT OFFICE.

GEORGE P. WALTER, OF BROWNWOOD, TEXAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 461,946, dated October 27, 1891.

Application filed June 11, 1891. Serial No. 395,939. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. WALTER, a citizen of the United States, residing at Brownwood, in the county of Brown and State of Texas, 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 washing-machines and increase their ease of operation.

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 claim hereto appended.

20 In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention, the cover being raised. Fig. 2 is a longitudinal sectional view. Fig. 3 is a transverse sectional view.

Referring to the accompanying drawings, 25 1 designates a washing-machine body, consisting of a cask or barrel horizontally arranged and having its upper portion forming a cover 2, which is hinged and is adapted to be raised to permit access to the body, and it is secured when closed by suitable means. 30 The body is supported by legs 3, which have their inner edges curved and adapted to conform to the swell of the body, and are secured together by rods 4, and the body and the legs are braced by metal straps 5 and 6, extending 35 transversely and longitudinally of the body, the longitudinal ones being secured to the rods 4. The ends of the body and the cover are provided with suitable metal straps, and 40 the cover is braced intermediate its ends by metal straps. Journaled in the ends of the body is a shaft 7, which carries a rotary rubber 8, and is extended beyond one end of the body and has keyed to it a cog-wheel 9.

45 The rotary rubber is composed of polygonal blocks 10 and longitudinal bars 11, which are secured to the blocks and are provided with longitudinal dovetail perforated grooves which form a rubbing-surface. The rotary

rubber acts in conjunction with an adjustable reversible stationary rubber 12, which is composed of a series of flexibly-connected bars 13, which are provided on one side with perforations or concavities and on the other side with recesses or grooves which form rubbing-surfaces. The stationary rubber is adapted to be reversed to present either surface to the clothes, and it has its inner end provided with slots and secured to the body by spring-hooks 14, and the other end is connected by flexible strips 15 to a shaft 16, which is adapted to be rotated to adjust the tension of the stationary rubber and exert the desired pressure on clothes passing through the machine. 50 55 60 65

The washing-machine is operated by a lever 17, which has its lower end fulcrumed on the end of the body and its upper end is shaped into a handle and is pivoted intermediate its ends in a bifurcation of a rack-bar 18. The rack-bar is provided on its lower face with teeth, which engage those of the cog-wheel and rotates the same, and the upper face of the rack-bar is provided with a longitudinal groove 19, which receives a wheel 20, mounted on a stub-shaft 21 and arranged above the cog-wheel and the rack-bar. The length of the rack-bar is sufficient to cause two revolutions of the cog-wheel to each swing of the lever; but the size of the cog-wheel may be varied to give the desired number of rotations of the rotary rubber. The wheel 20 holds the rack-bar in engagement with the cog-wheel and enables the washing-machine to be operated with little friction. 70 75 80 85

From the foregoing description and the accompanying drawings the construction, operation, and advantages will readily be understood.

What I claim is—

90 In a washing-machine, the combination of the body, the shaft journaled in suitable bearings and extending beyond the body, the cog-wheel arranged on the extended end of the shaft, the operating-lever fulcrumed on the body, the wheel 20, arranged above the cog-wheel, the rack-bar provided on its lower face with teeth and provided on its upper face 95

with a longitudinal groove and being inter-
posed between the cog-wheel and the wheel
20 and pivotally connected to the operating-
lever and receiving the wheel 20 within its
5 groove, the stationary rubber, and the rotary
rubber, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
presence of two witnesses.

GEO. P. WALTER.

Witnesses:

T. B. LATHEM,
CHAS. LOW.