

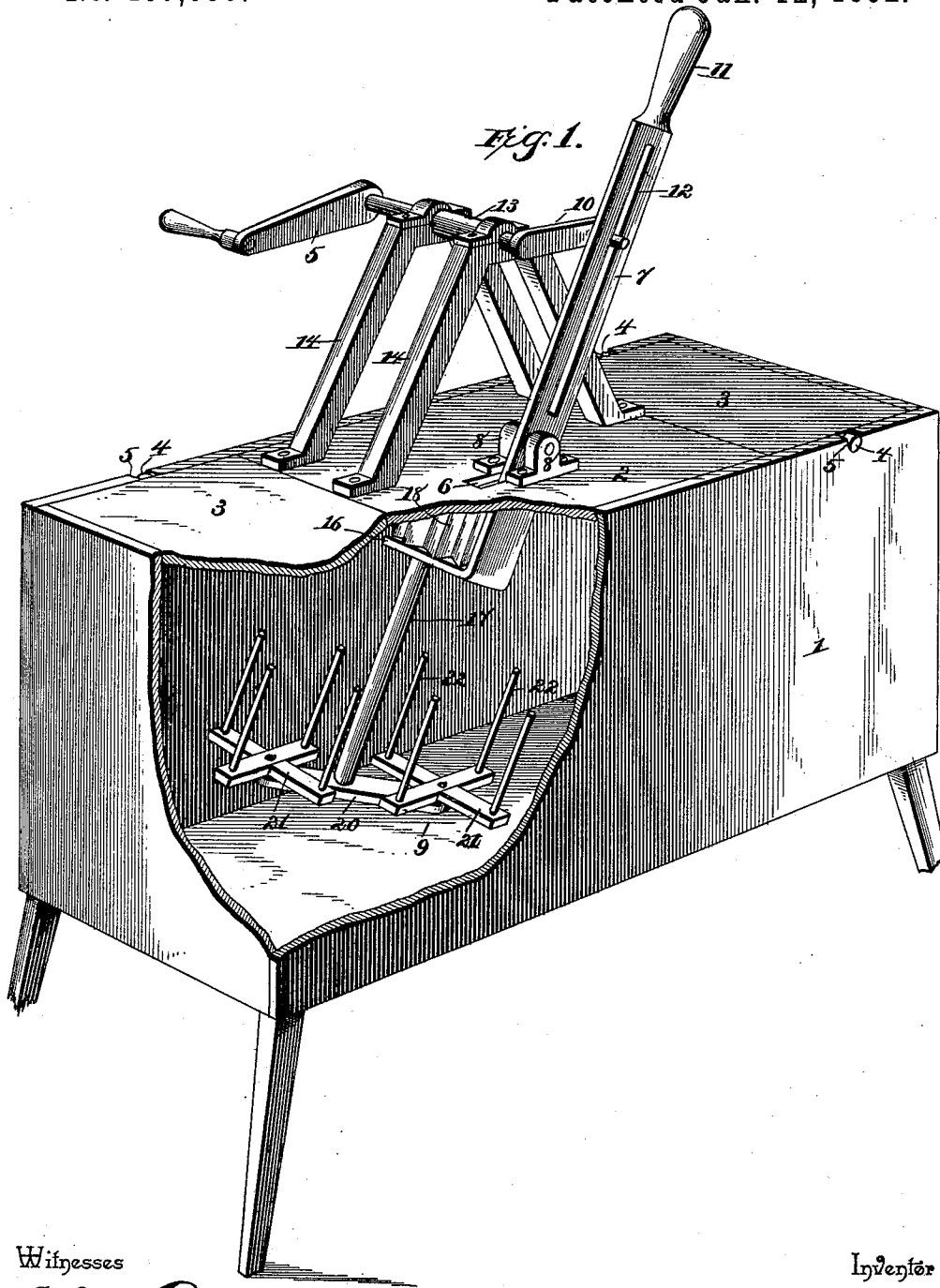
(No Model.)

2 Sheets—Sheet 1.

G. W. TURNER.
WASHING MACHINE.

No. 467,066.

Patented Jan. 12, 1892.



Witnesses

E. J. W. Doremans
H. F. Riley

Inventor

By *his* Attorneys,

Geo. W. Turner.

C. A. Snow & Co.

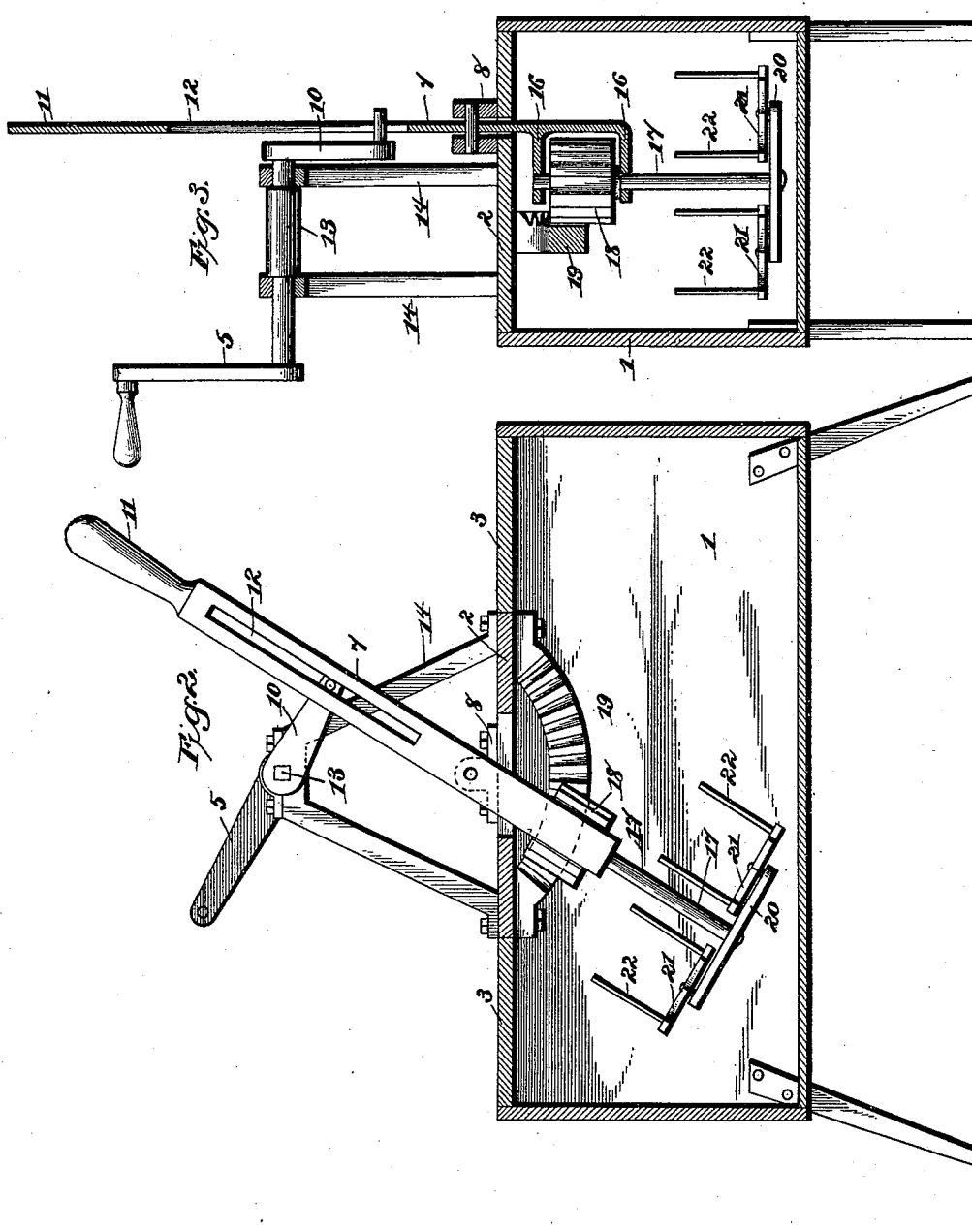
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UNITED STATES PATENT OFFICE.

GEORGE W. TURNER, OF HALE, MISSOURI, ASSIGNOR OF ONE-HALF TO
CHARLES HININEGER, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 467,066, dated January 12, 1892.

Application filed August 10, 1891. Serial No. 402,256. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. TURNER, a citizen of the United States, residing at Hale, in the county of Carroll and State of Missouri, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to improvements in washing-machines.

The object of the present invention is to simplify and improve the construction of washing-machines, and to utilize entire space within a washing-machine body, whereby the same may be made small and compact without decreasing the capacity of the machine.

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.

In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention, the body being partially broken away. Fig. 2 is a longitudinal sectional view, partly in elevation, the agitator being at the end of a stroke. Fig. 3 is a transverse sectional view.

Referring to the accompanying drawings, 1 designates a washing-machine body, preferably rectangular in section, constructed of suitable material and provided at each end of its top 2 with removable covers 3, having journals 4 arranged in bearing-recesses 5 in the upper edges in the sides of the body, whereby the operator may examine the contents of the washing-machine by tilting the cover 3 instead of removing them. The top 2, which is arranged between the covers 3, is provided near its center with a longitudinal slot 6, in which is arranged an oscillating bar 7, fulcrumed in suitable bearings 8 on opposite sides of the slot 6 and having its lower portion extending into the body and carrying an agitator 9, while its upper portion extends above the body and is engaged by a crank 10. The oscillating bar 7, which is fulcrumed intermediate its ends, has its upper end shaped into a handle 11, and is provided below the handle with a longitudinal slot or opening 12, which is engaged by the crank 10, secured to one end of a shaft 13, journaled in brackets 14 and having at its other end a detachable

handle 15, by which the washing-machine is operated. The lower end of the oscillating bar is provided with laterally-extending arms 16, in which is journaled an agitator-shaft 17, having the said agitator 9 secured to its lower end and carrying at its upper end a pinion 18, arranged to mesh with a segmental rack-bar 19. The rack-bar is curved and is provided at one side with teeth and it is secured to the lower face of the top 2 and extends longitudinally of the same. As the bar 7 is oscillated the pinion 18 meshes with the rack-bar, whereby the agitator-shaft and the agitator are reversely rotated.

The dasher is composed of a longitudinal bar 20, which is centrally secured to the lower end of the agitator-shaft, and cross-bars 21, centrally secured together and arranged in the form of Greek crosses and provided at their ends with upward-extending pins 22, upon which clothes to be washed are hung. The agitator, which carries the clothes, is both oscillated and reversely rotated. By its oscillation it is carried lengthwise of the body, and by its reversed rotation it is caused to move from one side of the washing-machine body to the other, thereby giving the clothes the entire use of the washing-machine body and utilizing all the space within the same. By simply oscillating the handle 15 a slow motion is imparted to the agitator; but by rotating the handle the agitator receives a somewhat sudden jerk in reversing, which causes it to move much more rapidly.

The washing-machine requires but a small amount of water, and clothes may be moved through the same at the expenditure of but little labor on the part of the operator.

What I claim is—

1. In a washing-machine, the combination of a body provided with bearing-brackets, a horizontal shaft journaled in the brackets and provided at its outer end with a handle and having at its inner end a crank, an oscillating bar fulcrumed on the body and provided at its lower end with laterally-extending arms and having above its fulcrum-point a longitudinal opening engaged by the said crank, a rack-bar secured to the body, an agitator-shaft journaled in said laterally-extending arms and carrying a pinion meshing with

said rack-bar, and an agitator secured to the shaft and provided with upwardly-extending pins arranged to receive clothes, substantially as described.

5 2. In a washing-machine, the combination of a body, an oscillating and rotating shaft mounted therein, the longitudinal bar 20 secured to the lower end of the shaft, and the
10 rotary agitators pivotally mounted on the ends of the bar 20 and composed of cross-

bars 21, centrally secured together and provided with clothes-carrying pins, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 15 presence of two witnesses.

GEORGE W. TURNER.

Witnesses:

O. M. MCCOY,

J. Q. ODELL.