

*2, Streets, Sheet 1.*  
*Carman & McCallum,*

*Washing Machine.*

*No. 111,906.*

*Patented Feb. 21, 1871.*

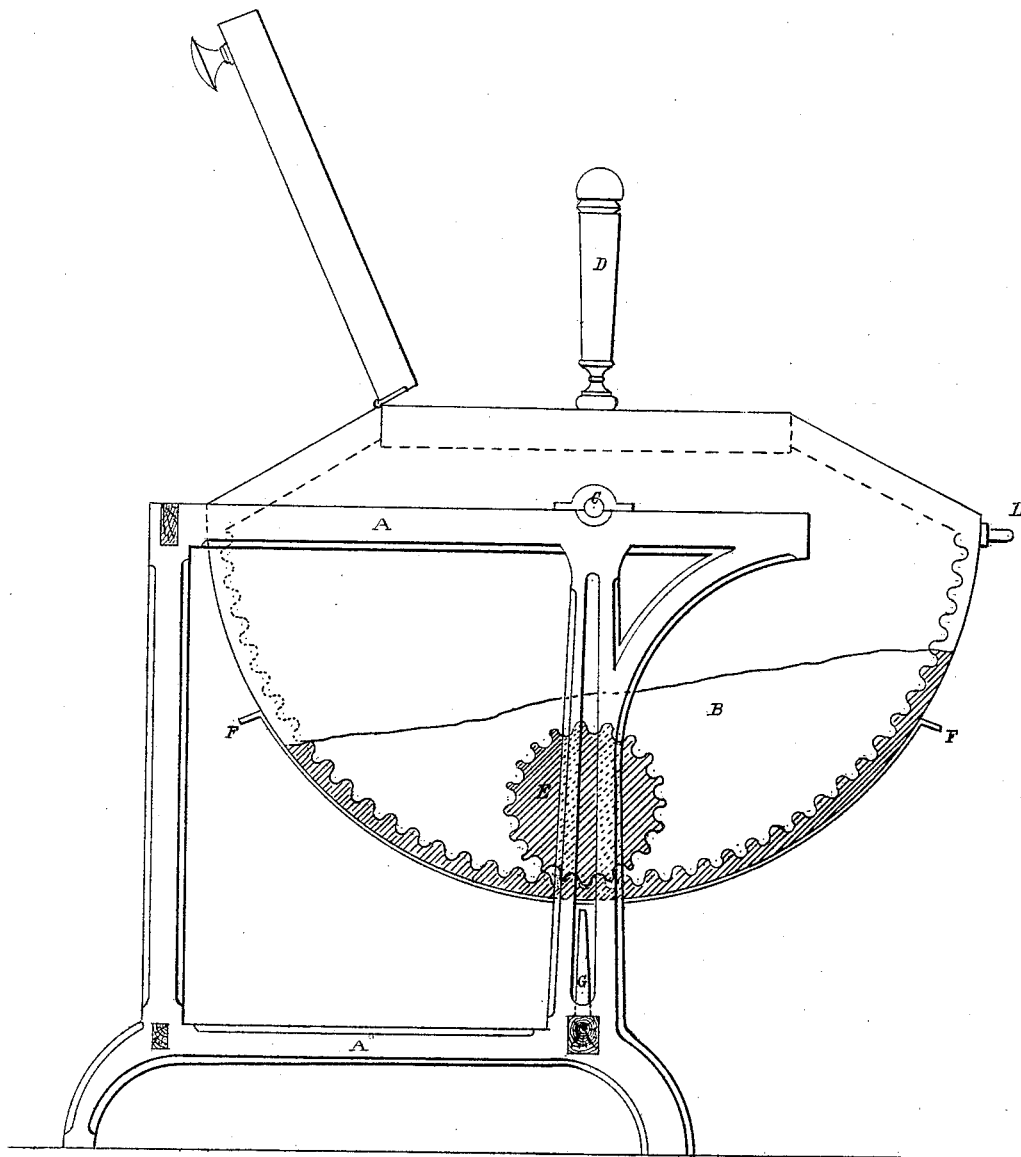


FIG. 1 END VIEW

*Witnesses:*  
*John R. Edmiston*  
*Wm. H. Dangle*

*Inventors*  
*William H. Carman*  
*Richard P. McCallum*

*Garman & McCollum,* <sup>2. Sheets, Sheet 2.</sup>

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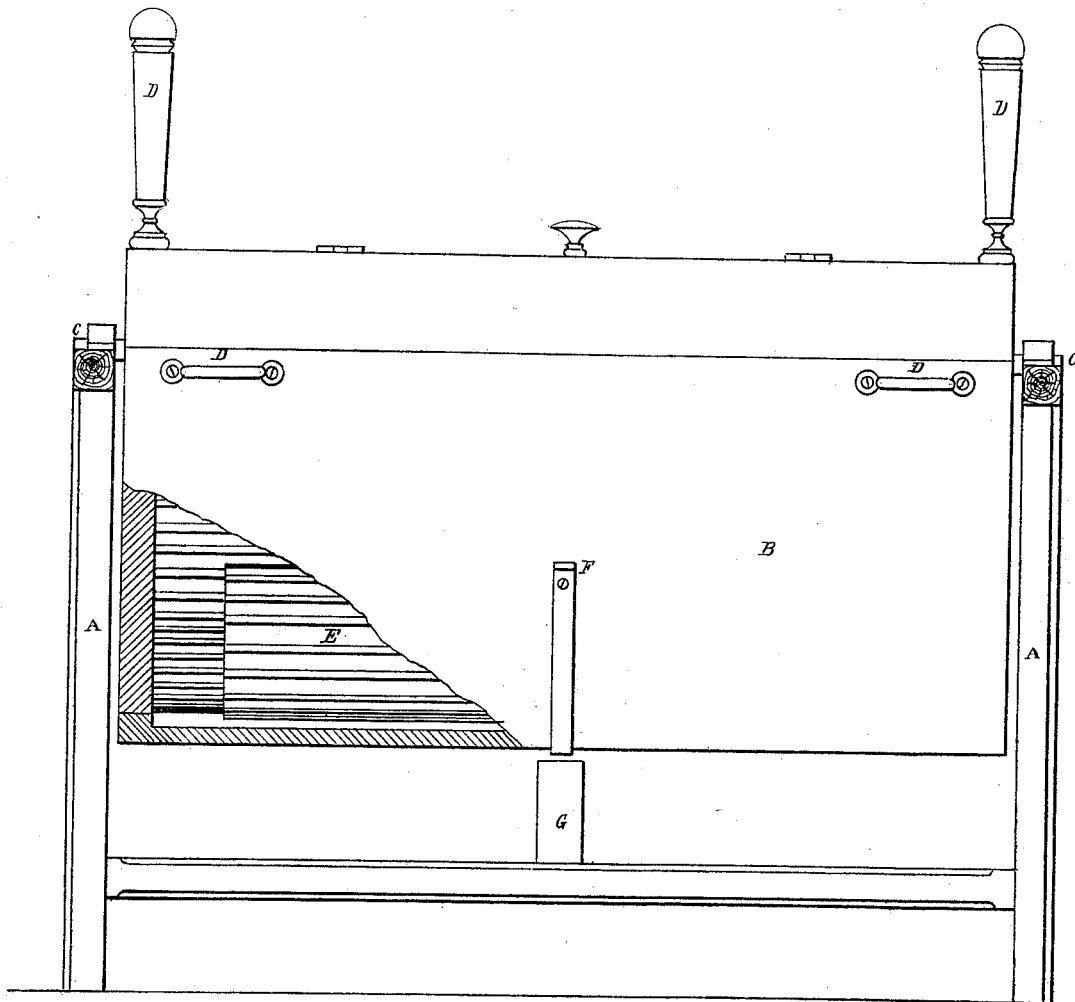


Fig. 2  
FRONT ELEVATION

Witnesses:  
*John R. Edmiston*  
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*William H. Garman*  
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# United States Patent Office.

WILLIAM H. CARMAN AND RICHARD P. McCOLLUM, OF PHILADELPHIA,  
PENNSYLVANIA.

Letters Patent No. 111,906, dated February 21, 1871.

## IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

We, WILLIAM H. CARMAN and RICHARD P. McCOLLUM, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain Improvements in Washing-Machines, of which the following is a specification.

### *Nature and Object of the Invention.*

The first part of our invention relates to a turning or oscillating tub, corrugated upon the inside and turning upon bearings, placed upon the frame in such a manner that the tub may be turned until the projections upon the outside of the tub are made to come in contact with the spring, secured upon the cross-bar of the frame; the jar occasioned by the collision causes the clothes to turn over and fall down the corrugated bottom of the tub.

The second part of our invention relates to the combination of the turning tub, weighted roller or rollers, and the projections upon the outside, for the purpose herein set forth, of washing clothes, &c.

### *Description of the Accompanying Drawing.*

Figure 1 is an end view of a machine embodying our invention.

Figure 2 is a front elevation of the same.

### *General Description.*

A is the frame of the machine, which frame should be substantially constructed to resist the vibration of the operating parts.

B is the turning corrugated tub.

C is the bearings upon which the tub turns. These bearings are constructed in such a manner as to allow of the tub being lifted from the frame whenever required.

D is the handles, by means of which the tub is turned, either those on the top or front of the tub being used for that purpose, according to the pleasure of the operator.

E is the loose corrugated and weighted roller that presses the clothes against the corrugations.

F is the projections, by means of which the turning of the tub is regulated and the clothes are turned over, so as to present another surface to the corrugations upon the bottom of the tub.

G is the spring, secured upon the cross-bar of the frame in such a position as to allow of the projections F coming in contact with it, the jar occasioned by the collision assisting in turning the clothes, as afore-said.

The clothes to be washed are placed inside the tub through the hinged door on the top, with an adequate quantity of soap and water, when the tub is to be slowly turned, by means of the handles D, far enough to cause the projection F to strike the spring G, the roller E and water, by their own gravity, preserving, in a great measure, their position in the lowermost part of the tub, the friction caused by the corrugations being sufficient to carry the clothes nearly to the uppermost part, when the before-mentioned collision of the projections and spring causes them to fall down and over the corrugations; the water at the same time, in seeking its level, dashes upon the beveled top of the tub and falls back upon the clothes, this turning and jarring motion being continued until the clothes are thoroughly washed.

### *Claims.*

We claim as our invention—

1. The corrugated oscillating or turning tub, with the projections F upon the outside, substantially and for the purpose as hereinbefore set forth.
2. The combination of the corrugated oscillating or turning tub with the loose weighted roller or rollers, working inside, and the lugs or projections F, secured to the tub substantially and for the purpose as hereinbefore described and set forth.

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Witnesses:

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