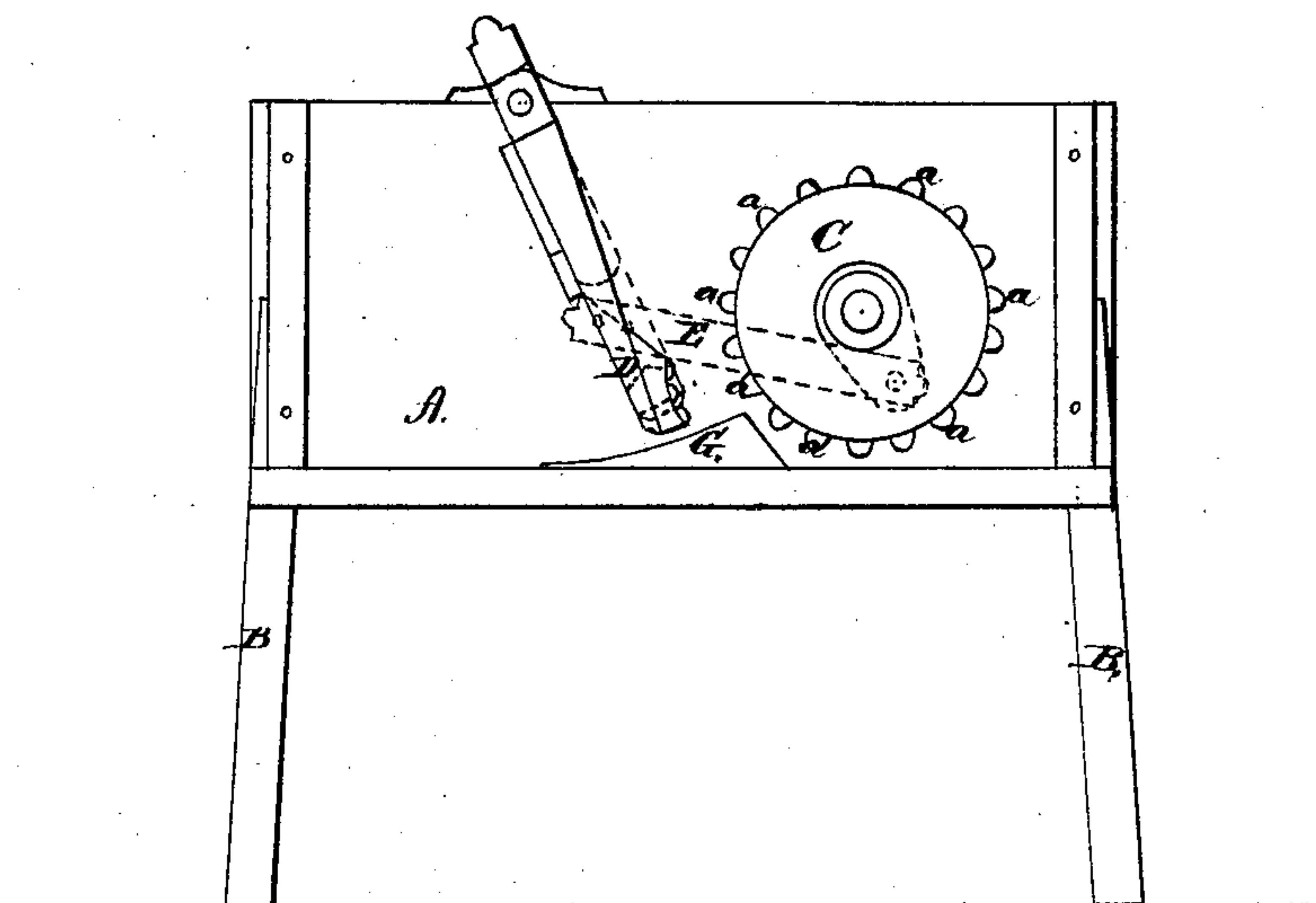


*J. D. Van Dusen,*

*Washing Machine.*

*No. 101,190.*

*Patented Mar. 22. 1870.*



*Witnesses*  
*Jno. A. Ellis.*  
*J. W. White*

*Inventor*  
*Jno. D. Van Dusen*  
*Jr.*  
*Alexander*  
*Atty*

# United States Patent Office.

JOHN D. VAN DUSEN, OF AUBURN, NEW YORK, ASSIGNOR TO HIMSELF  
AND JACOB BRINKERHOFF, OF SAME PLACE.

*Letters Patent No. 101,190, dated March 22, 1870.*

## IMPROVED WASHING-MACHINE

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

*To all whom it may concern:*

Be it known that I, JOHN D. VAN DUSEN, of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "washing-machine," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which represent a longitudinal vertical section of my machine.

A represents the tub of my machine, resting upon legs B B.

At a suitable point within the tub A is mounted a roller, C, the journals of which pass through the sides of the tub or box.

On the outer surface of the roller C is placed a series of ribs, *a a*, said ribs running longitudinally at equal distances apart along the roller.

The surface of the roller C, instead of being provided with these ribs *a a*, may be corrugated with a series of grooves running longitudinally a suitable distance apart, the same as above stated for the ribs.

Within the tub or box A is also suspended a beater,

D, the lower portion of which is also corrugated, or provided with similar ribs running parallel with the ribs on the roller or cylinder C.

The beater D obtains a reciprocating or swinging motion by means of a pitman, E, attached to a crank on one of the journals to the roller C, said crank being also used for operating or turning the roller.

Under the lower end of the beater D, in the bottom of the box, is placed a curved or inclined plane, G, upon which the clothes are placed. Then, by revolving the cylinder, which gives the swinging motion to the beater, they are alternately pressed against the cylinder and loosened from the same, the revolving of the cylinder causing the clothes to spread out and turn as the beater recedes from it.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the oscillating beater D, a rotating cylinder, substantially as and for the purposes herein set forth.

2. The combination of the box A, cylinder C, beater D, pitman E, and curved or inclined plane G, all constructed and arranged as described, to operate substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

JOHN D. VAN DUSEN.

Witnesses:

WALTER WINCH,  
HORACE T. COOK.