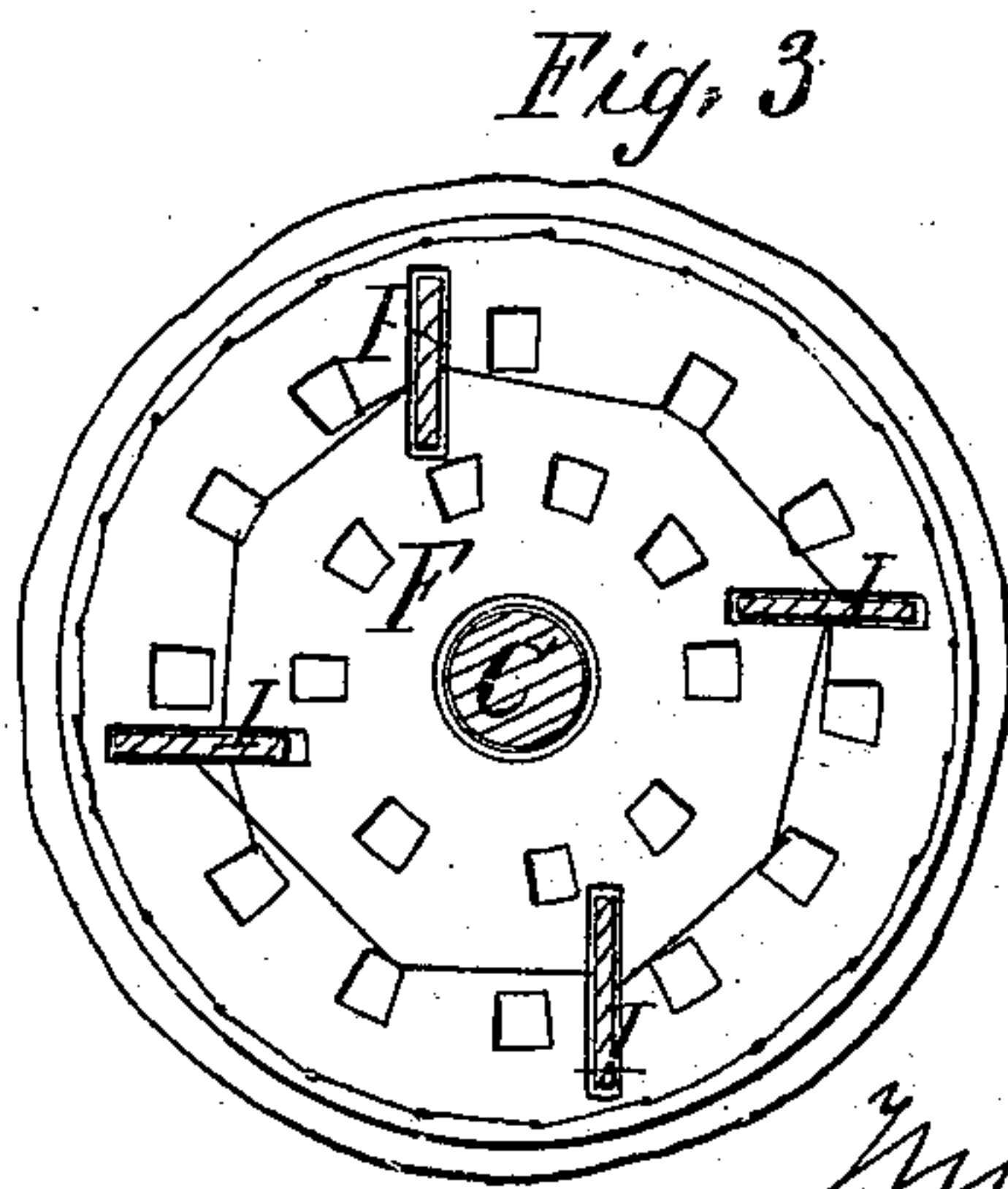
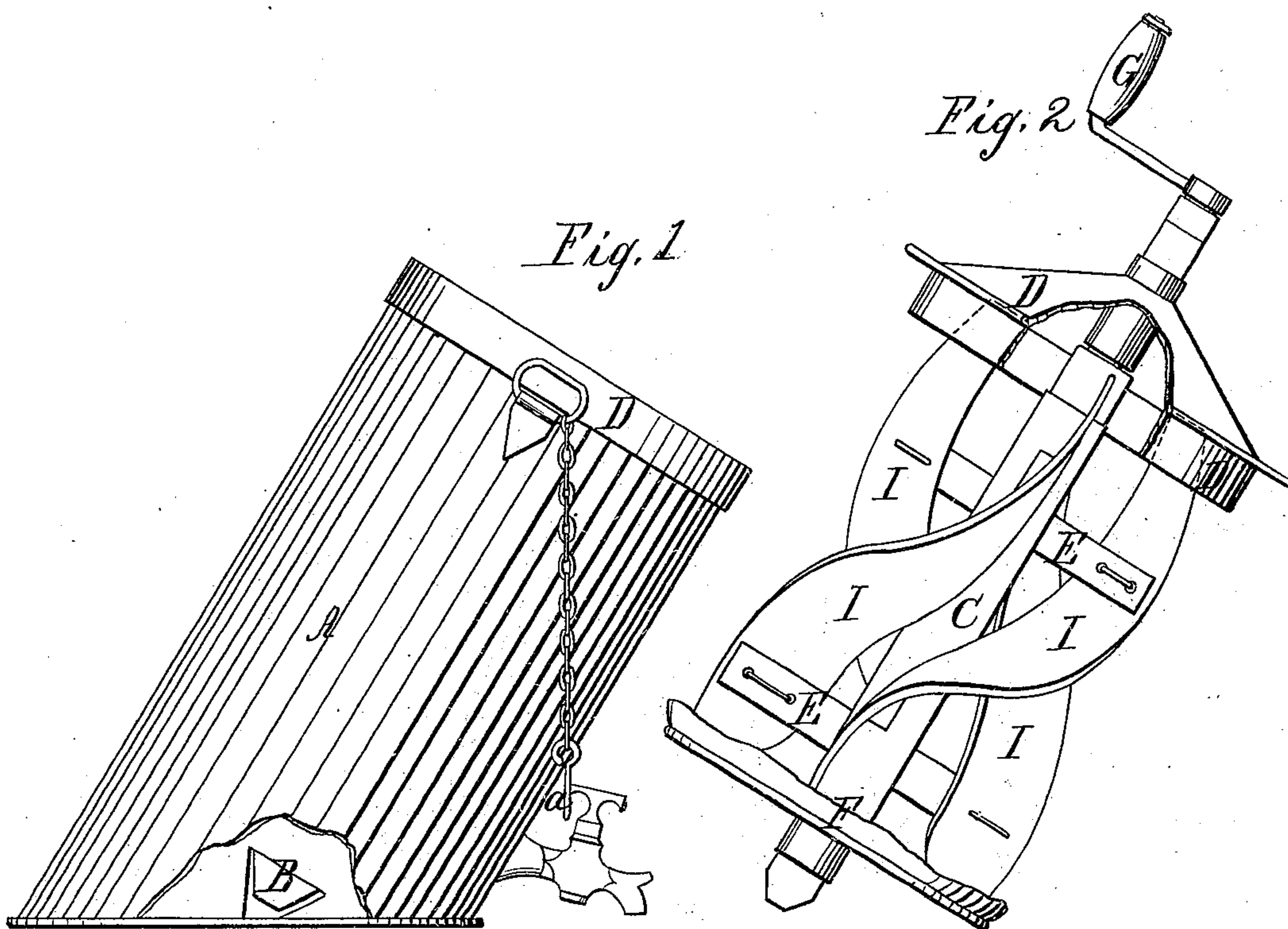


E. D. Hunt,
Washing Machine,
No 85,447, Patented Dec. 29, 1868.



Witnesses
Leopold Gruen
Harry King

Inventor
Mrs. E. D. Hunt
per Alexander Mason
Attys.

United States Patent Office.

ELIZA D. HUNT, OF NEW YORK, N. Y.

Letters Patent No. 85,447, dated December 29, 1868.

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, ELIZA D. HUNT, of New York, in the county of New York, and in the State of New York, have invented certain new and useful Improvements in Washing-Machines; and 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.

The nature of my invention consists in the construction and arrangement of a washing-machine, which 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 form a part of this specification, and in which—

Figure 1 is a side elevation, part in section;

Figure 2 is a side view of the working-parts; and

Figure 3, bottom view of the same.

A represents a cylindrical barrel, of metal corrugated on the inside.

The base of this cylinder is obliquely cut off, as shown in fig. 1, making the bottom elliptical in shape, and is provided in the centre with a funnel-shaped gudgeon, B, to receive the lower end of the central shaft C, which passes up through the centre of the cover or lid D.

This cover may be of any shape desired, movable, and held by sufficient hasps, *a a*, or their equivalents, and furnishes a gudgeon in the centre for the upper end of the shaft C.

The shaft C is provided with cross-bars E E, to which are attached four twisted blades, I I, these being at their lower ends attached to a perforated wheel, F,

each blade running spirally, in the manner of an Archimedean screw.

At the upper end of the shaft is a crank, G, for turning the same.

The advantages of this machine are numerous, and I will only mention some of the more important.

The inclined position of the water-wheel, with the spiral arrangement of the blades, gives an ascending as well as circular motion to both the water and the clothes. The reverse motion of the crank relieves the wheel from the clothes.

The perforated revolving wheel helps to carry the clothes, and it also lets the water pass freely in being taken in and out.

The machine is double-acting, gravity carrying the water back through the clothes, as the wheel raises it, or, by reversing the motion, it carries the clothes down, while the boiling sends the water up.

Having thus fully described my invention,

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

The combination of the shaft C, cross-bars E E, spiral blades I I, and perforated wheel F, all constructed and arranged to operate within the corrugated-metal cylinder A, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 4th day of November, 1868.

ELIZA D. HUNT.

Witnesses:

LEOPOLD EVERT,
H. B. SMITH.