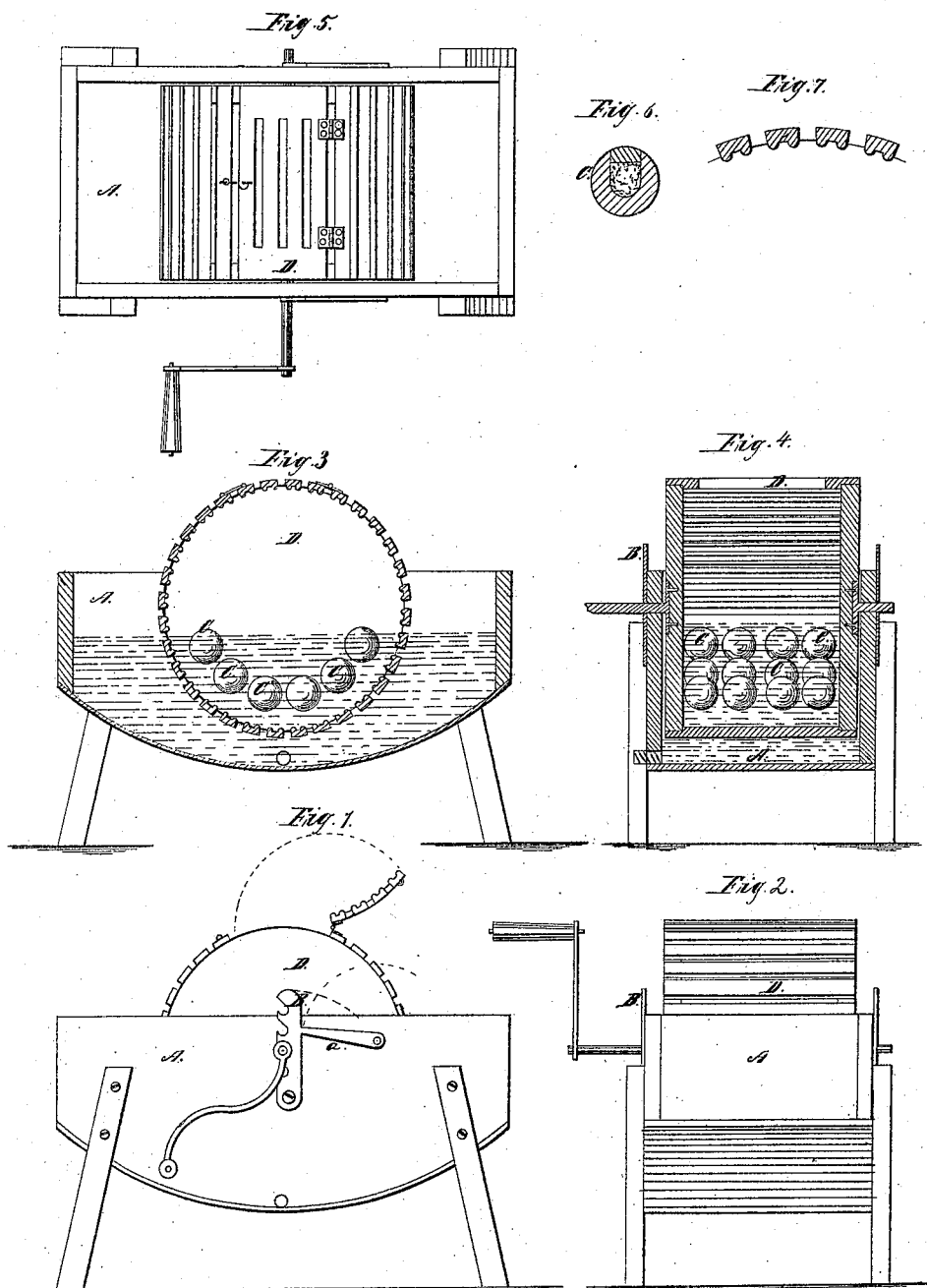


I. E. Smith,

Washing Machine,

N^o 53,052.

Patented Mar. 6 1866.



Witnesses
Edward Havilland
J. C. White

Inventor:
Israel E. Smith

UNITED STATES PATENT OFFICE.

ISRAEL E. SMITH, OF YORK, PENNSYLVANIA.

WASHING-MACHINE.

Specification forming part of Letters Patent No. 53,052, dated March 6, 1866.

To all whom it may concern:

Be it known that I, ISRAEL E. SMITH, of the borough and county of York, and State of Pennsylvania, have invented a new and useful Improvement on the Washing-Machine for Washing Clothes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal elevation; Fig. 2, an end elevation; Fig. 3, a longitudinal section; Fig. 4, a transverse section; Fig. 5, elevation of top; Fig. 6, section of ball, showing the loading; Fig. 7, enlarged section of a slat.

This machine consists of a revolving cylinder, inside of which the clothes are introduced and confined by a hinged door. This revolving cylinder D, formed of slats grooved on the inside and screwed onto the end pieces, and placed half an inch apart to allow the water to pass freely, is hung in an oblong box, A, the shafts working on two movable plates of

iron, B, with four shaft-holes in each, affixed to the outside of the box A, and arranged in such a manner that the cylinder can be raised or lowered in the suds-box A with a view to the greater or lesser immersion of the clothes.

The plates B B are held in position by the movable braces *a a*.

Twenty-four wooden balls, C, heavily loaded with lead, are introduced into the cylinder, upon every revolution of which the clothes are rubbed and washed between the loaded balls and the grooved slats forming the inside of the cylinder.

I claim—

The combination of the slatted cylinder D, the balls C C, and the adjusting-plates B B, held in place by the braces *a a*, the whole arranged and combined, as above described, for the purpose and in the manner herein set forth.

ISRAEL E. SMITH.

Witnesses:

EDWARD HAVILAND,
T. K. WHITE.