

S. F. TODD & J. G. SINSLEY.

WASHING-MACHINE.

No. 188,205.

Patented March 6, 1877.

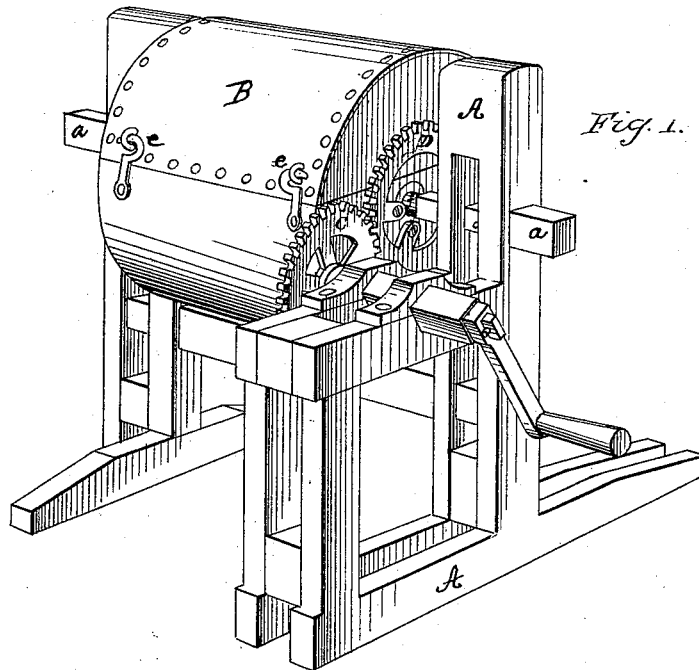


Fig. 1.

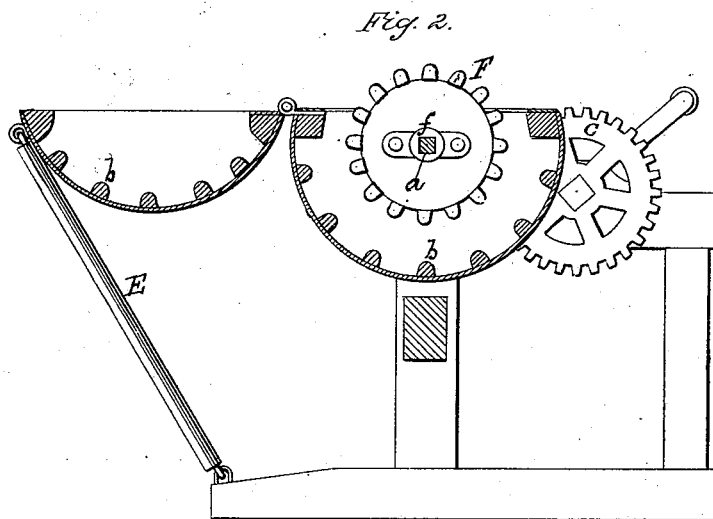


Fig. 2.

Witnesses:

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# UNITED STATES PATENT OFFICE.

SAMUEL F. TODD AND JOHN G. SINSLEY, OF JACOB'S CREEK, PA.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 188,205, dated March 6, 1877; application filed December 14, 1876.

*To all whom it may concern:*

Be it known that we, S. F. TODD and J. G. SINSLEY, of Jacob's Creek, Westmoreland county, Pennsylvania, have invented a new and useful Improvement in Washing-Machines, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of a washing-machine, with my improvements attached. Fig. 2 shows a vertical section of the same.

Our invention relates to that class of machines designed for washing clothes; and it consists in the combination of devices herein-after described and claimed.

To enable others skilled in the art to make and use our invention, we will proceed to describe the exact manner in which we have carried it out.

In the drawings, A A represent a frame work, into which fit the pins *a a*, terminating in two short shafts, on which revolves the cylinder B, driven by the crank *b* and cog-wheel C, meshing into the gear-wheel D, rigidly attached to the cylinder B.

The cylinder B is divided into two sections, hinged together, as shown in Fig. 2, and when thrown open the smaller or top section is supported by the rod E attached to the bottom of the frame A. When open, as shown in Fig. 2, the top section furnishes a rinsing-vessel for the clothes still held in the lower or main section of the cylinder. The two sections are made water-tight when united by means of rubber or other suitable packing, and are held together by the hooks *e e*, and arranged longitudinally inside of the cylinder are the slats *b*, placed a few inches apart.

Within the cylinder B we place the slatted cylinder F, provided with an independent shaft, *f*, having its bearings on the ends of the pins *a a*, after they have penetrated the heads of the cylinder B. This slatted cylinder is designed to hold the clothes up to or against the slats *b* on the inner surface of the outer cylinder, as the latter revolves.

To remove the slatted cylinder from the outer one it is only necessary to partially withdraw the pins *a a*, when the slatted cylinder is released, and may be drawn out.

We are aware that slatted or corrugated cylinders have been revolved within a main cylinder, in which the clothes and water are placed; but this is objectionable, as the clothes have a tendency to settle in the water in the lower portion of the cylinder, where they receive very irregular treatment, and often injury. By our arrangement, in revolving the outer cylinder around the slatted cylinder, the clothes, as well as the water, are kept in active motion and in a constant change, all being equally cleansed without injury to the fabric.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A washing-machine, constructed as described, consisting of an outward-revolving cylinder, composed of two hinged sections, in combination with an internal slatted cylinder, independent shaft *f*, and pins *a a*, substantially as and for the purpose set forth.

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Witnesses:

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