

Lull & Bowen, *Washing Machine,*

No 80,193,

Patented July 21, 1868.

Fig. 1.

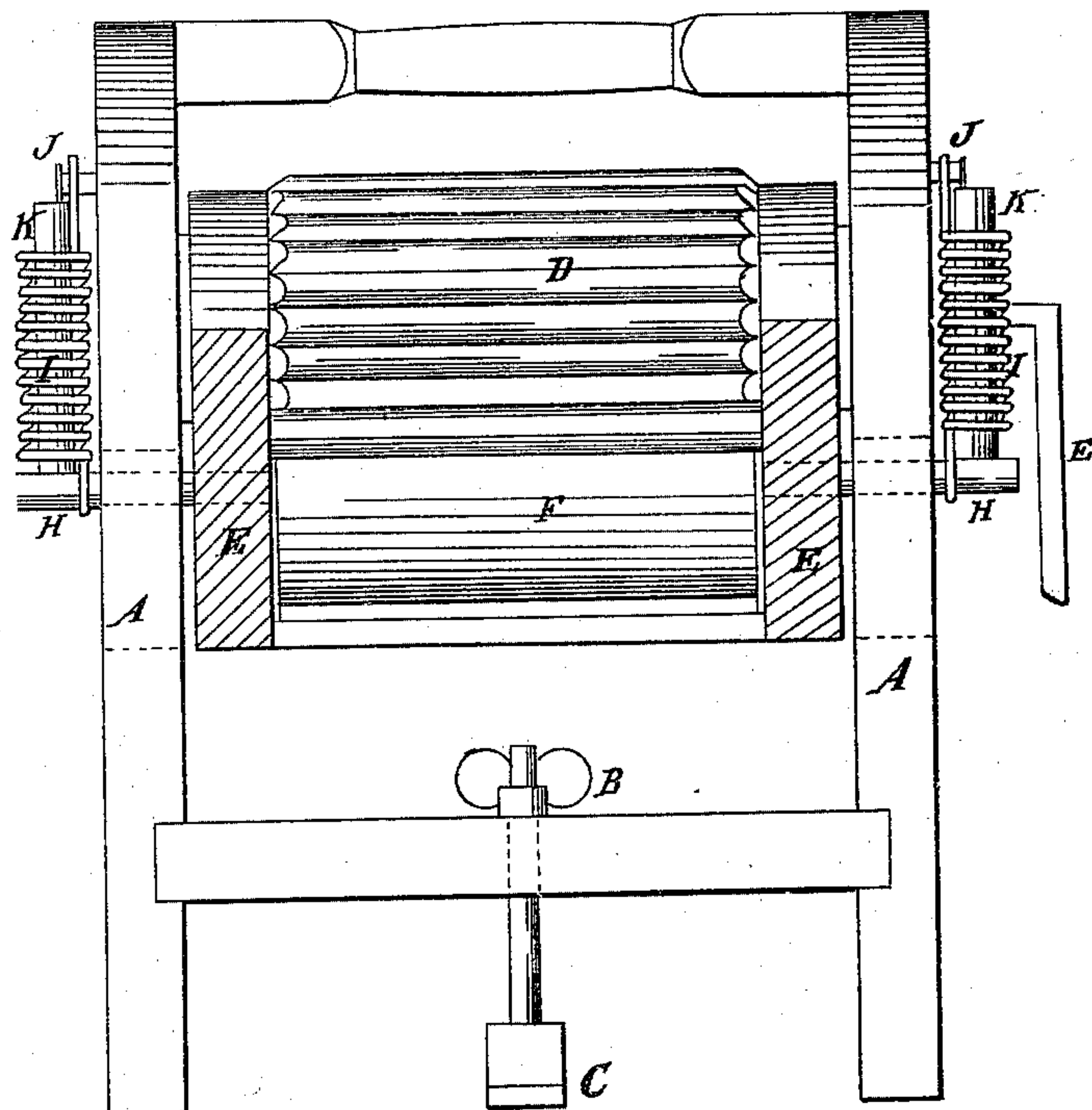
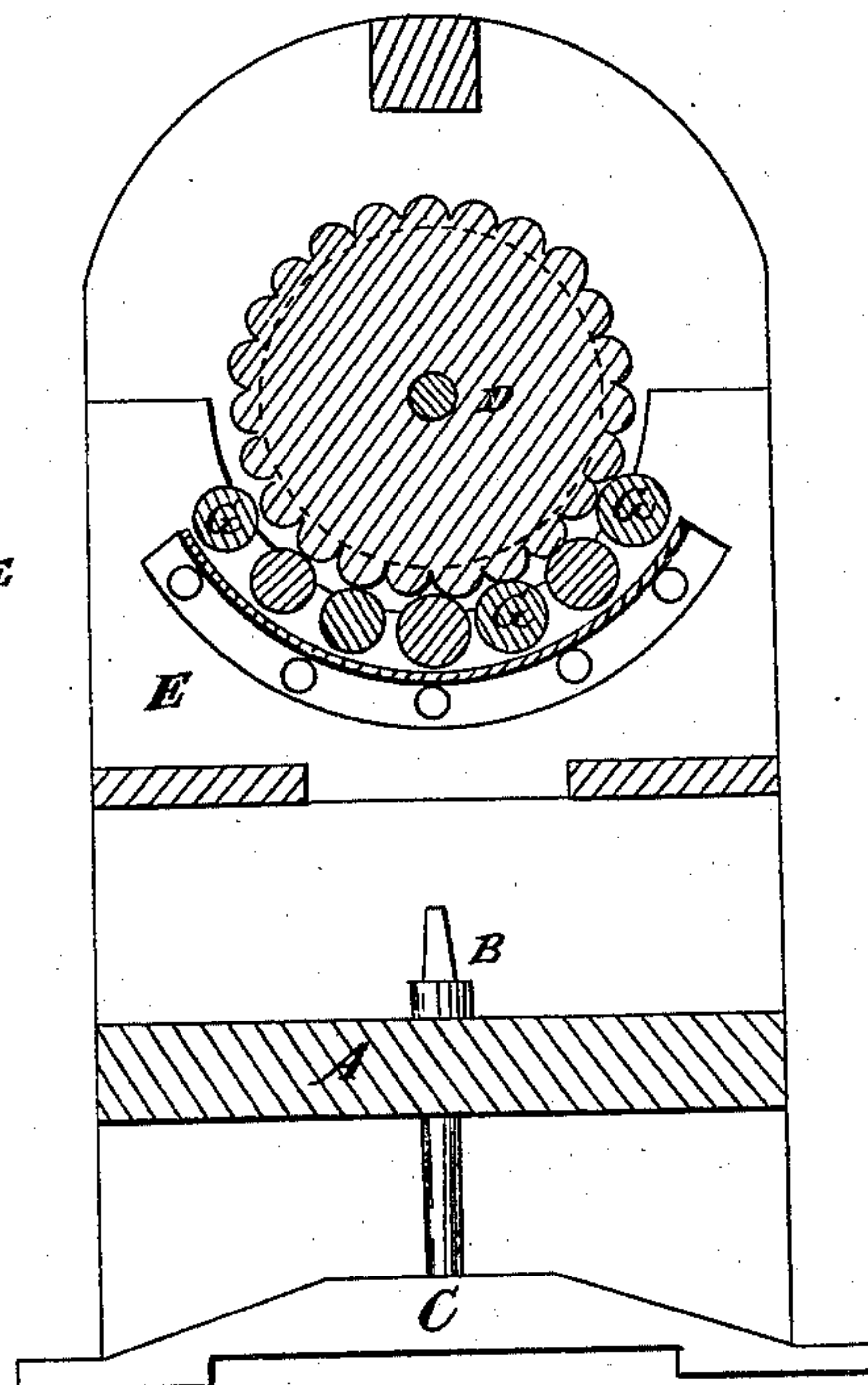


Fig. 2.



Witnesses.

A. H. Yeatman
Leopold Evert

Inventors.

L. M. Lull. P. Bowen
per Alexander & Mason
attys.

United States Patent Office.

LUCIUS M. LULL AND PHILANDER C. BOWEN, OF ALTOONA, ILLINOIS.

Letters Patent No. 80,193, dated July 21, 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 we, LUCIUS M. LULL and PHILANDER C. BOWEN, of Altoona, in the county of Knox, and in the State of Illinois, 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.

In the annexed drawings forming part of this specification—

Figure 1 represents a front view of our invention, and

Figure 2 a side sectional view of the same.

The nature of our invention consists in the combination of a frame with concave bottom, and provided with rollers, which frame is hung on spiral springs and a grooved cylinder.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

A represents a wooden frame of suitable dimensions, in the bottom of which is a bolt, B, to be fastened to a block, C. The ends of the block C are fastened by screws to the bottom of the tub or box in which the machine is to be used. D is a cylinder hung on an arbor which has its bearings in the sides of the frame A, and turned by means of a crank. This cylinder D is grooved horizontally, as shown in fig. 1, except on its ends, where it is smooth to allow it to fit into the frame E, which is made of wood, or other suitable material, and has a concave bottom, F, made of zinc or other metal to hold water. The sides of the frame E are also protected with zinc or other metal, which extends up between the cylinder D and frame A, to prevent the water in the bottom, F, from running out on the sides. In the sides of the frame E, and close to the concave bottom F, are horizontal rollers G G, to act in connection with the cylinder D, when the machine is in use. The frame E is hung by arms H H extending through slots in the sides of frame A to spiral springs I I, which are fastened to frame A by screws or pins J J, and the lower ends attached to arms H. The springs I I are protected and held in their places by means of round blocks K K inside of the springs, the lower end resting on the arms H H, and the upper end under the screw or pin J.

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

The arrangement of the open frame A, provided with the screw-bolt B, to which is connected the block C, with the frame E, concave bottom F, rollers G G, arms H H which are provided with pins K K, and spiral springs I I, the whole being used with the cylinder D, as and for the purpose herein set forth.

In testimony that we claim the foregoing, we have hereunto set our hands, this 6th day of April, 1868.

LUCIUS M. LULL,
PHILANDER C. BOWEN.

Witnesses:

S. T. GIBSON,
A. J. ANDERSON.