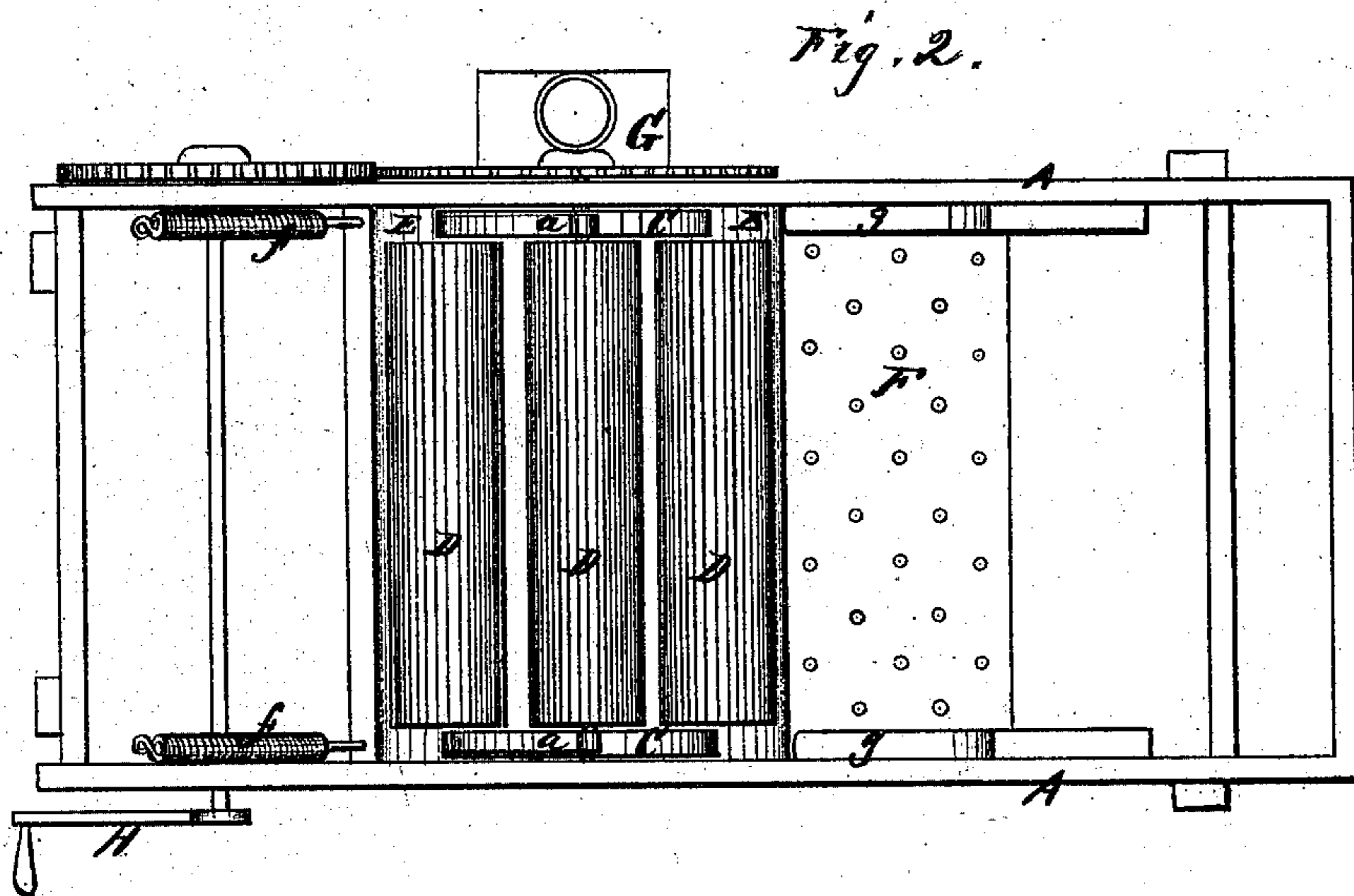
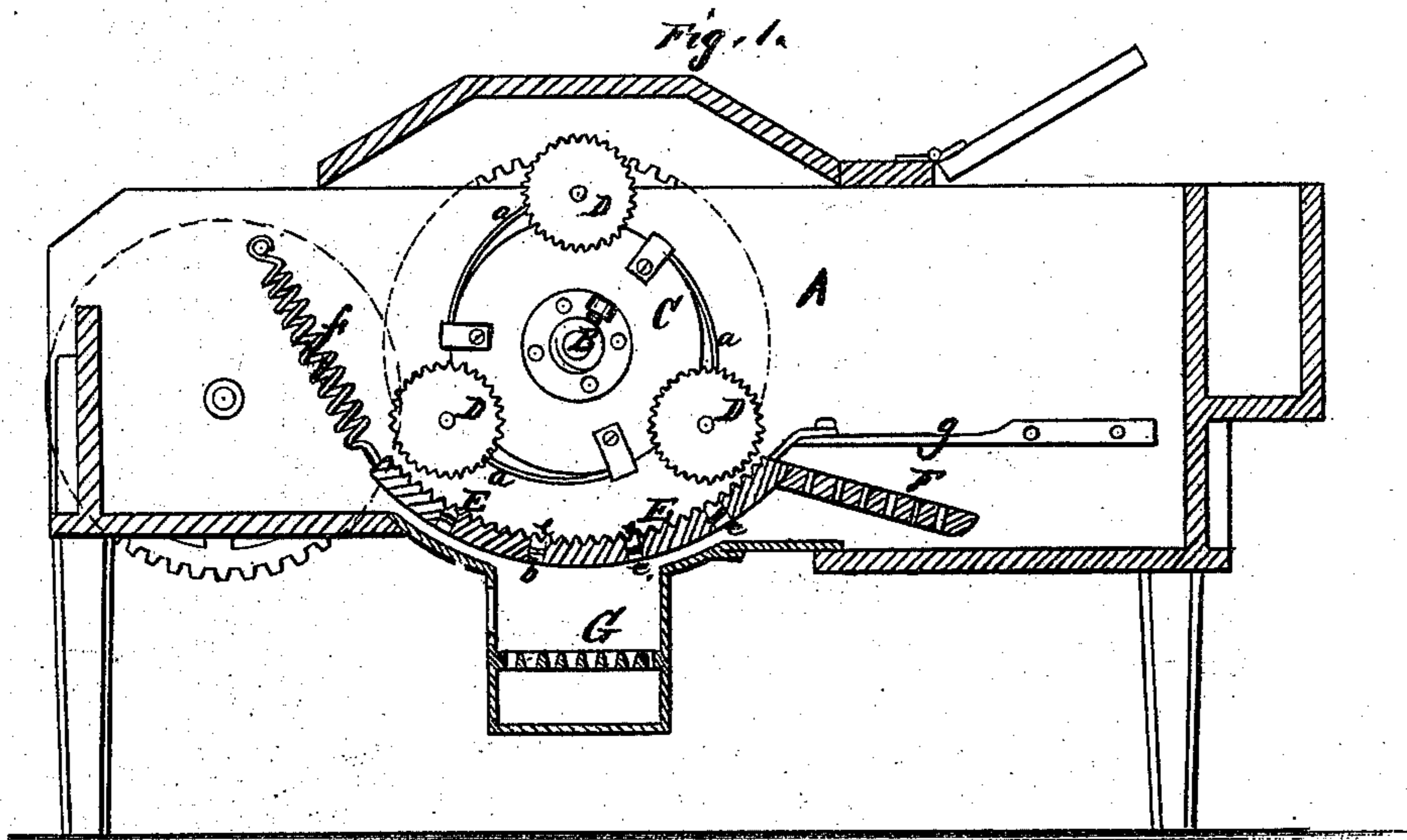


B. Hockabout,

Washing Machine.

No. 105453.

Patented July 19, 1870.



Witnesses.
Geo. H. Strong.
Wm. F. Boone

Inventor,
Benjamin Hockabout
By Hls. Atty's
Dewey & Co.

United States Patent Office.

BENJAMIN HOCKABOUT, OF ANTIOCH, CALIFORNIA.

Letters Patent No. 105,453, dated July 19, 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, BENJAMIN HOCKABOUT, of Antioch, county of Contra Costa, State of California, have invented an Improved Washing-Machine; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

My invention relates to an improved machine for washing clothes; and

It consists in a number of corrugated roller rubbers, which are suspended at the extremities of springs around the rims of two wheels. The wheels are revolved by proper mechanism, causing the rubbers to be rolled over a concave wash-board, which is also suspended from suitable springs, so as to yield when the clothes are pressed between it and the rollers.

In order to more fully illustrate and explain my invention, reference is had to the accompanying drawing forming a part of this specification, in which—

A represents a tub or box, inside of which the clothes are washed.

A shaft, B, passes across this box, bearing in its sides, and carrying upon each end, inside the box, a wheel, C, the wheels being secured to the shaft close against the sides.

Flat springs, *a*, have one end secured to the rims of the wheels C, and are slightly curved, so that their opposite ends will stand at a short distance from the rim.

In the elevated ends of these springs the journals or corrugated rollers D bear the rollers extending across the box between the wheels C, and bearing in the opposite springs.

Two or more of these corrugated rollers may be used, a corresponding number of springs being required upon each wheel.

A wash-board, composed of two or more independent corrugated boards, E, is arranged in a circular

manner beneath the rollers D, so as to form a continuous concave wash-board.

The boards E are connected together by wires *b*, or other suitable device, which passes through their ends, and a space, *c*, is left between each two of the boards, through which the water flows to the upper surface of the wash-board, when it is pressed downward by the rollers.

The concave wash-board is suspended at each corner from suitable springs. In the present instance it is represented at one end as suspended from coiled springs *f*, and at the opposite end from flat springs *g*, but any kind of spring can be used.

A perforated inclined apron, F, is placed at the furthest end of the wash-board, which conveys the water to the bottom of the box as it is squeezed from the clothes by the rollers.

The corrugations on the rollers D are arranged spirally, so that they will roll smoothly over the wash-board.

A fire-place or stove, G, is arranged under the box, by means of which the water under the wash-board is kept hot.

A crank, H, serves by which to turn the rollers.

Having thus described my invention,

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

1. Suspending the corrugated rollers from the ends of the springs *a*, said springs being secured upon wheels C, substantially as and for the purpose above described.

2. The wash-boards E, having spaces *c* between them, in combination with the perforated board F and spring *g*, as shown and described.

In witness that the above-described invention is claimed by me, I have hereunto set my hand and seal.

BENJAMIN HOCKABOUT. [L. s.]

Witnesses:

M. S. LEVY,
CHAS. KAHN.