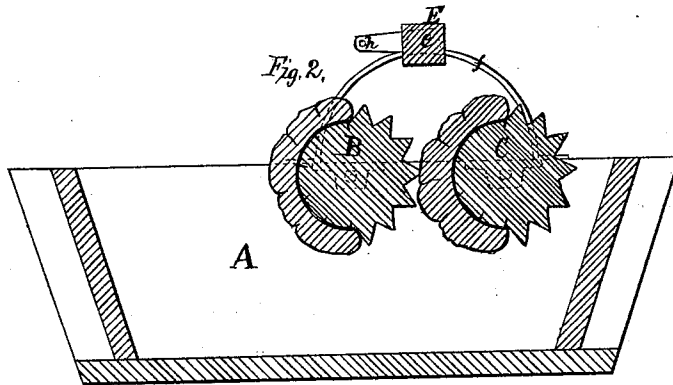
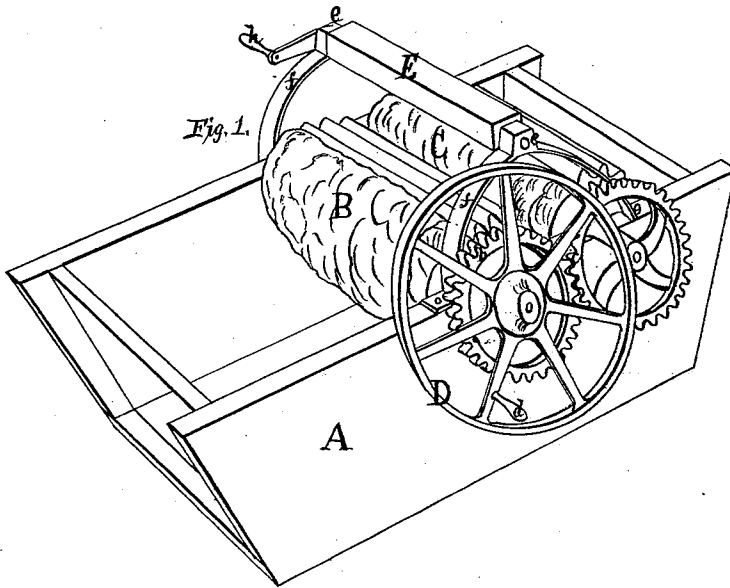


*J. Farmer,*

*Washing Machine.*

*No. 102,792.*

*Patented May 10, 1870.*



Witness  
*Geo. W. Sibbitts*  
*Q. D. Sibbitts.*

Inventor  
*John Farmer*  
his x Mark

# United States Patent Office.

JOHN FARMER, OF ROCKPORT, OHIO.

Letters Patent No. 102,792, dated May 10, 1870.

## IMPROVEMENT IN WASHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN FARMER, of Rockport, in the county of Cuyahoga and State of Ohio, have invented certain Improvements in Washing-Machines, of which the following is a specification.

The nature of this invention relates to an improvement in washing-machines, and consists of two rollers worked in conjunction with each other by means of gear-wheels, the rollers having one-half of their circumference covered with sponge, or similar suitable material, and the other half fluted or corrugated in the form of a wash-board.

The rollers are arranged in relation to each other so that the sponge side of the one comes in contact with the fluted side of the other, alternately, in each revolution.

In the drawings—

Figure 1 is a perspective view.

Figure 2 is a longitudinal section.

A represents a box, made of wood, and of suitable dimensions, for containing the water for cleansing.

B and C are rollers placed across the box, near to one end, leaving sufficient room at the other for the convenience of getting into it.

The rollers have their bearing secured in the sides of the box.

Outside of the box, and placed on the shafts of the rollers, are gear-wheels *b c*, which operate them.

There is, also, a fly-wheel, D, on the shaft of the roller B, having a handle, *d*, for turning the same.

These rollers B and C are made, as will be seen in section in fig. 2, with one-half of the circumference fluted or corrugated, and which corrugated surface may be covered with zinc or not, as may be deemed necessary. This surface forms a semicircular wash-board.

The opposite sides of the rollers are provided with sponge, which is secured by cords and staples in any suitable manner.

Any other like substance may be used instead of sponge, but I prefer sponge because it most readily absorbs water, and is softer and more flexible, and not liable to injure or wear the fabric being washed.

Over the rollers B C is a roller or bar, E, placed in bearings *e e* in the frame *f f*, said roller having a crank, *h*. This bar or roller is designed for winding any long or large articles upon. One end of said article is passed between the rollers B C, when the roller E may be held from turning, the rollers B C playing upon the fabric, alternately rubbing it, very much in the manner of hand-washing on a washboard. When a portion has been rubbed the roller E is permitted to revolve, and the fabric is conveyed between the rollers, and when a dirty portion requires rubbing the roller is held from turning, and may be held until the part has been thoroughly cleansed. Small articles which would not reach the roller E may be held by hand and rubbed.

I claim as my invention—

The rollers B and C, constructed as described, and arranged in combination with the bar or roller E, gear-wheels *b c*, wheel D, and box A, to operate as and for the purpose set forth.

JOHN <sup>his</sup> FARMER.  
mark.

Witnesses:

GEO. W. TIBBITTS,  
GEO. HESTER.