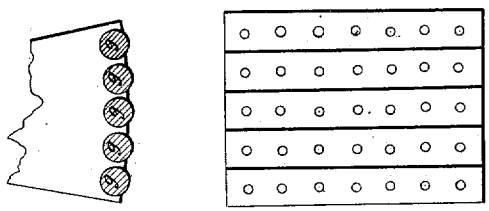
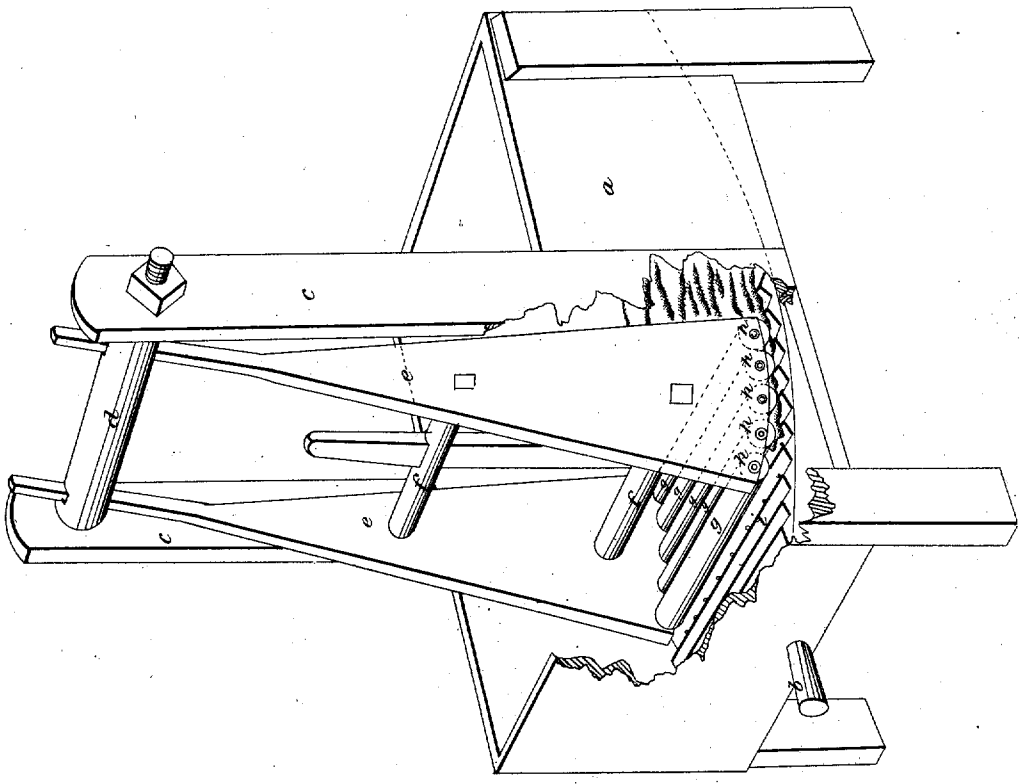
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S. Silliman,

Washing Machine,

Patented Feb. 3, 1830.





N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C

Samuel Gillinwa.

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Samuel Gillinwa himself of his improvement in the machine for washing clothes, called the vibrating Washing Machine —

To all to whom these presents shall come greeting,
Be it known that I Samuel Gillinwa of Saybrook in the County of Middlesex and State of Connecticut, have invented, constructed, made, and applied to use a new and useful improvement in the washing Machine, called the vibrating Washing Machine. The schedule and specification of which is as follows, viz:—

A rectangular oblong tub three feet long one & a half feet wide and fourteen inches high, standing on four legs or feet of sufficient height for convenience — one end an inch lower than the other, with a faucet or plug at the lowermost end in the bottom, to draw off the water — two posts three or four inches wide & an inch thick erected one on each side of the tub, equidistant from the ends and secured on the outside by screws or otherwise with a hole near the upper end of an inch in diameter & about four feet and a half above the bottom of the tub to receive the pivot of the shaft.

The shaft has an arbor on each end fitted to the hole in the post with a shoulder & a nut of hard wood screwed on otherwise fastened in the way to keep the posts to the shoulders. Through the shaft a little within the shoulders are two mortises of an inch square thro' which the vibrating frame slides up and down. The vibrating frame is made of hard wood and consists of two side pieces three feet long an inch thick and about nine inches wide at the lower end and tapering towards the upper end to the size of the mortises in the shaft to slide and play the up & down

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The inside frame is secured at each end to the tub by two screws, one near the lower end and the other near the middle. At the centre of the upper one is attached the handle & at the centre of the lower one the bar which carries and supports the handle — At the bottom of the vibrating frame are four wooden rollers of an inch & a half diameter, one fourth of an inch distant from each other with iron or other metallic axles or centres at the ends fitted to and running in holes of pewter or composition & attached to the bottom of the side frames —

The length of the rollers conforms to the length of the vibrating frame, the wash board is a loose floor filling the inside of the tub, raised from the bottom and secured by placing two ribs (made of board) an inch thick, one on each side of the tub — The upper side being made circular on which are nailed or otherwise secured boards flatted on the upper side running crossways of the tub and perforated with holes in the flutes, three eighths of an inch in diameter & two inches apart —

The wash board at the middle is about one and a half inch from the bottom of the tub & rises towards the ends of the tub to the height of the vibrating frame. & may be taken out at pleasure.

In the operation of the machine, the clothes to be washed are spread upon the wash board — water is put into the tub sufficient to make the washboard float. the rollers are then made to pass over the clothes with the weight of the vibrating frame upon them — The rollers may be increased in number or diminished & the machine may be enlarged or diminished according to the amount of washing required. The washboard detached from the tub, perforated and raised from the bottom — the rollers attached to the vibrating frame with their axles ends & pegs in the manner mentioned aforesaid with the shape of the frame in the working of the shaft together with the handle fixed as aforesaid are claimed as an entirely new application in the washing machine.

The Machine may be moved by hand by applying a crank to the end of the axle passing through the frame or by any other power.

