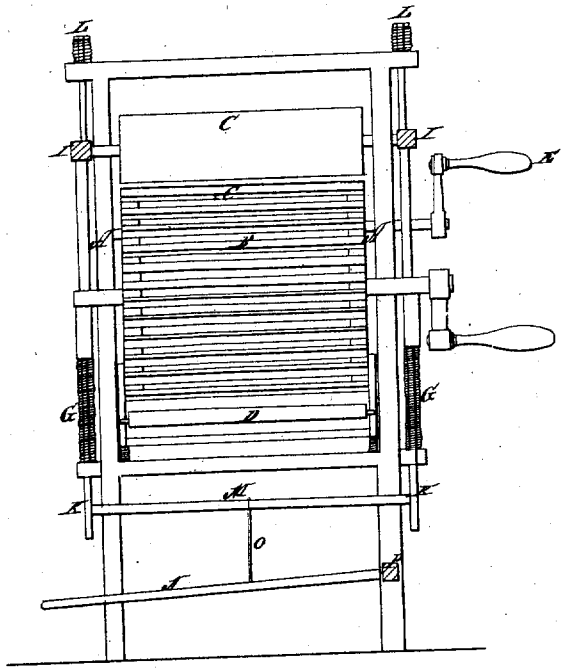
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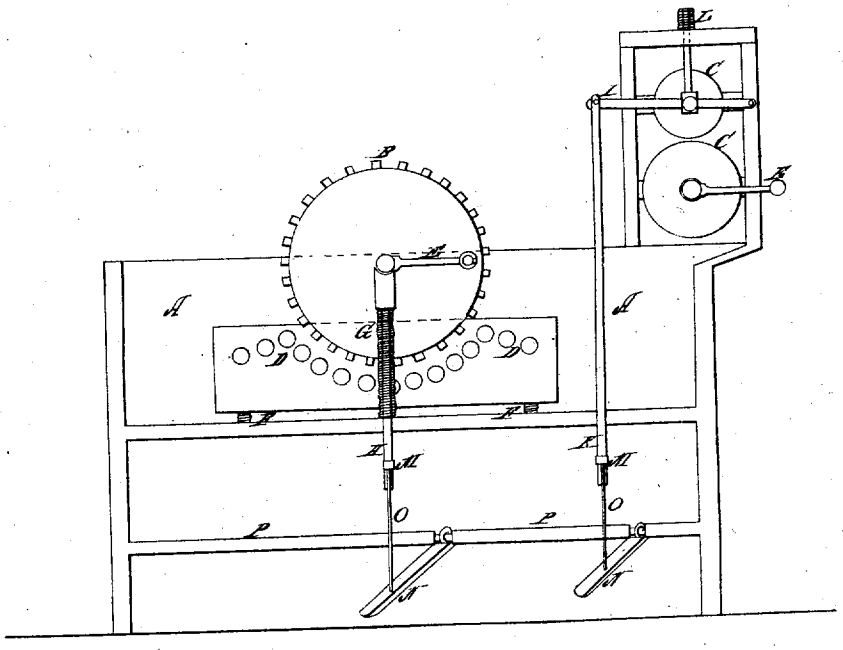
9158X

H. Ault,

Washing Machine,

Patented Oct. 14, 1835.





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

Henry Ault of Philadelphia. Tennessee.

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 Henry Ault, himself of his improvement in the Washing Machine —

To all to whom these presents shall come Be it known that I Henry Ault of Philadelphia in the County of Monroe and State of Tennessee, have invented a new and useful improvement in the washing Machine and that the following is a full and exact description of the construction and operation of the said Machine as invented and improved by me, It consists of four principal parts, viz a box, a segment of a circle of rollers in a separate frame, a cylinder wheel of slats and a press formed of two rollers and their arms, The box is made of thick plank and 3 feet 6 inches long in the clear and about 18 or twenty inches wide about 11 inches deep and about 24 inches high to the bottom the end pieces extend down for the feet the cylinder of slats is fifteen inches high and about 16 inches long and is made by first cutting two round wheels of inch and half plank, around which slats are nailed the slats to be three fourths of an inch thick and half an inch apart. These slats being fastened to each wheel form the cylinder, Through this cylinder or wheel is an axle upon which it turns and is suspended by moveable supports and by wire springs of spiral shape fastened to the sides of the box by two pieces being nailed to the same with holes through them through which the two upright supports pass through the springs up to the axles — The springs are made of strong wire & are so bent as to leave a space the

entire length for the support as above mentioned. The segment of a circle of rollers is formed of fifteen which are as long as the cylinder of Slats above, the rollers are 1¾ inch in diameter turning on large wire pivots, ends of which are placed so as to fit the size of the wheel 3 on each to be placed in an inclined slope so as to roll the clothes off into the water at each side of the segment. The rollers are ⅛ of an inch apart and the segment is placed immediately under the cylinder on four wire springs made as above described leaving a space of one inch between; — The clothes to be washed are placed on the front end of the segment against the wheel; the prop is formed, of two rollers placed in upright pieces fastened to the end of the box. They are in length equal to the width of the box. The lower roller is eight inches in diameter and turns on pivots 2¼ inches in diameter & revolves always at the same point. The crank is fastened to the lower roller, The top roller is five inches in diameter (and turns on pivots 1½ inches in diameter) and is suspended above the lower one by two wire springs fastened to the top of the upright pieces in which the rollers turn but may be easily forced down upon the clothes by means of a treadle fastened to two arms or levers about fifteen inches long by small upright pieces fastened to the longest end of the levers, the lever bearing down upon the centre of the top roller about 3 inches from the end of the arm, — Operation, The clothes being placed on the segment of rollers and presented to the cylinder of Slats, the foot is pressed on the treadle attached thereto which counteracts the spring and causes the clothes to be slightly pressed, then on turning the crank of the cylinder the clothes are drawn through and thus cleansed, The clothes are then presented to the pressing roller and by bearing the foot on the pressing treadle and turning the crank attached to the undermost roller, the water is pressed

out of the clothes as they leap off from the machine on to a table or bench fastened to the machine to receive them

What I claim as my invention and for which I solicit Letters Patent, is the application of the springs under the shoulders of the moveable supports, the cylinder of slats, the supports thereto, the treadle and coupling bar for depressing the cylinder on the clothes on the segment of rollers and the treadle, levers or arms of the pressing cylinder which operate downwards.

Witnesses

Edward Badlam Junr.
Norman Sheldene

Henry Hall

Ex.
Clfw

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Patented October 11th, 1835.

Drawing

Spec 900 words