

THE IMPROVED MODEL WASHER AND BLEACHER, &c.

PATENTED, AUGUST 2, 1884.

THE IMPROVED Model Washer & Bleacher

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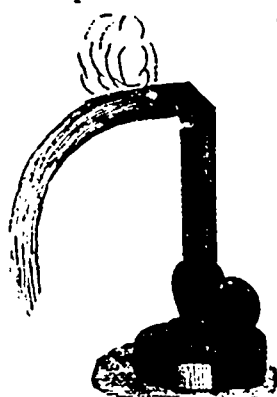
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Read what the Patentee says:

THE IMPROVED MODEL WASHER AND BLEACHER. - My attention has been drawn to the various methods and the many devices now in use for cleaning fabrics which in many cases were either utterly useless or cost a great deal more labor to operate them, and knowing full well the vast amount of unnecessary labor the house-wife was obliged to subject herself to, to perform the drudgery of the family wash, I sought the invention of some method by which the ordinary washing for families, hotels and public institutions could be successfully performed without the exhausting labor and the ruinous tear and wear of garments involved in the old method of the washboard, and the later process of pounding, squeezing and dashing the life out of the fabrics, has long been a public consideration; and impressed with the great necessity that existed for a simple machine that would cleanse soiled linen without the destructive agency of friction, and with the least possible physical exertion, I was led to invent the MODEL WASHER.

It was of vital importance that the method invoked should be of the simplest nature, in order that it might be successfully employed by the most unskilled persons, because otherwise its usefulness must be necessarily limited. And it was, at the same time, essential to the popularity of such an invention that it should be sold at a price that would place it within the reach of every family in the land. Now after two years of unremitting labor it affords me sincere gratification to announce that I have succeeded in perfecting and patenting a Washing Machine so simple in its mechanism that a child can use it—so durable it cannot wear out—so cheap that the poorest may purchase it—so economical that no family can afford to be without it—as it will do

the washing in one-half the time of any other known process.



THE IMPROVED Model Washer and Bleacher.

WHAT IS IT?

THE MODEL WASHER is a small portable machine, weighing about five pounds, and can be used in any family wash boiler. It is composed wholly of metal, and hence one of its prominent qualities is durability; and from the nature of the material entering into its construction, and the simplicity of its mechanism, it is impossible for it to get out of order by use. In form it is a circular base, with a diameter of seven inches, and a depth of one and a half inches. In the centre of this base is inserted a horizontal tube called the discharge pipe, which is fourteen inches high and one and a half inches in diameter, and capable when in full operation of throwing out fifteen gallons of water per minute. Within the base, which is hollow, are located a succession of tortuous passages, so arranged that by a well-known principle of hydraulics the hot water in the boiler is rapidly sucked up, and continually forced from the bottom to the surface of the boiler through the discharge pipe. In simple language, by the operation of the machine all the water within the boiler is drawn by the irresistible force of suction through and through the soiled linen, until the dirt is removed from it, leaving the articles, after rinsing, thoroughly cleaned and purified.

An entirely new and original device, invented, patented, and exclusively used by me, are the Globe Tubes, a special feature of the Improved MODEL WASHER, and an invaluable adjunct to suction Washers, by reason of the powerful additional force with which it drives the water through the fabrics of the goods, causing it to search out and eradicate every atom of dirt that lurks within them.

WHAT IT DOES.

It is not as well understood as it should be, that the energetic action of boiling water containing a small percentage of alkali (in the form of common soap) af-

fords the only effective means of removing dirt from linen and cotton goods.

It has long been erroneously assumed that nothing short of violent friction, produced by hard rubbing, in a strong solution of alkali, was capable of cleansing cloth. The fact is that the cleaning process consists, not in rubbing the goods, but in forcing the water repeatedly through them, after the alkali has loosened the dirt in them. The washer-woman of the past toiled hard to do just what the Improved MODEL WASHER does without effort, viz., force the soap suds through the articles in the wash-tub, but with this difference, that she forced the water roughly through them by laborious effort, with the aid of the wash-board, while the Improved MODEL WASHER gently infuses the water through and through them, without in the least impairing their value.

The Improved MODEL WASHER is especially valuable, if not indeed indispensable, for washing all kinds of fragile fabrics, such as laces, lace curtains, fine lawns, cambrics, etc., which are too fine a texture to be successfully subjected to the harsh treatment of the washboard. As all housekeepers are aware, it has hitherto been an expensive luxury to cleanse lace curtains, as it could only be done without injury by adepts, whose secret skill enabled them to charge exorbitant prices for their work. Happily, however, the Improved MODEL WASHER has entirely revolutionized this state of things, and made it practicable for every family to perform the most delicate laundry work with the same facility with which they accomplish the ordinary washing of the household.

The Improved MODEL WASHER leaves no longer any excuse for yellow and discolored clothes, which are so often a source of annoyance to families, and which usually proceeds from careless washing and the use of water of too low a temperature. In washing with the washboard, of course the hands must be plunged in the water, and to render this possible the water must be reduced to a temperature which the hands can bear; whereas these Machines, being composed of metal, retain their heat and do their work best in boiling suds, and only boiling suds forced through soiled linen will thoroughly cleanse and impart to it the pure whiteness which so delights the heart of the good house-wife.

Then there is the important labor-saving feature of our Machine to be considered. The family washing has ever been regarded the most irksome and slavish of domestic duties, and from time immemorial has inspired the whole household with dread. This terror, however, is fast becoming a thing of the past, for by the beneficent aid of our Improved MODEL WASHER a young child or a feeble invalid can do the washing for a large

family in a short time without fatigue. No rubbing whatever is required. The clothes are placed in the boiler of hot water, and softly pressed at frequent intervals, to keep them entirely submerged, and subjected to the action of the water that continually passes through them. This is the only exertion required; and, remember, the clothes are thoroughly cleaned without being rubbed threadbare on the washboard. No chemicals whatever are required to be used with these Machines. Clean soft water, or water softened by borax, and a little soap, only are necessary.

By the use of the Improved MODEL WASHER at least one-half of the soap required by the old process of washing is saved. This is an important item where a large quantity of washing is done.

Directions for Using the Model Washer and Bleacher.

Fill the boiler two-thirds full of water; set the Washer with the opening in the end of boiler over the hottest part of the fire; cut up one-fourth small bar of soap. When the Washer commences to work (the water will run out of the tube), then put your clothes in, having first wet them a little and soaped well the dirty spots (this is best done by laying them either upon a table or washboard; be careful not to pack the clothes, as you will stop the circulation). Put those that are least soiled in first; soak clothes over night, if you desire it, but it is not really necessary. Bed and table linen, towels, etc., will wash in ten or fifteen minutes; underclothing and other articles that are much soiled, will require from twenty to thirty minutes.

As each boiler of clothes is washed, put them into a tub with plenty of water (warm is the best), and rinse well through two waters, the last being the blueing water. Keep a kettle of hot water on the stove to fill up the boiler after taking out the clothes, and add a little soap to every other boiler full. Be sure and keep plenty of water in boiler. If you are using hard water, add a little borax just enough to soften the water. Put flannels into clean water to wash, and rinse them in hot water, as cold water will shrink them—they will wash in fifteen minutes. Calicoes and brown towels only require from six to eight minutes. Should any part of the clothes be not quite dry rub them through your hands in the rinsing water, or else soap them again and put them back for a few minutes. Bo suds and soak well collars, cuffs and bands of shirts. To wash lace curtains, or anything of that kind tie them up in a pillow case.

Keep the cover of the boiler on except when it steams too freely, then raise it a little by placing the clothes stick across the boiler and resting the cover on it.

Our Latest Order by Telegraph—March 10th, 'Send me one dozen Model Washers, G.O.D. to Kenyon Station, Que., by Express.'—J. H. CALLAY.