

(Model.)

G. W. CROSBY.
CLOTHES WASHER.

No. 331,037.

Patented Nov. 24, 1885.

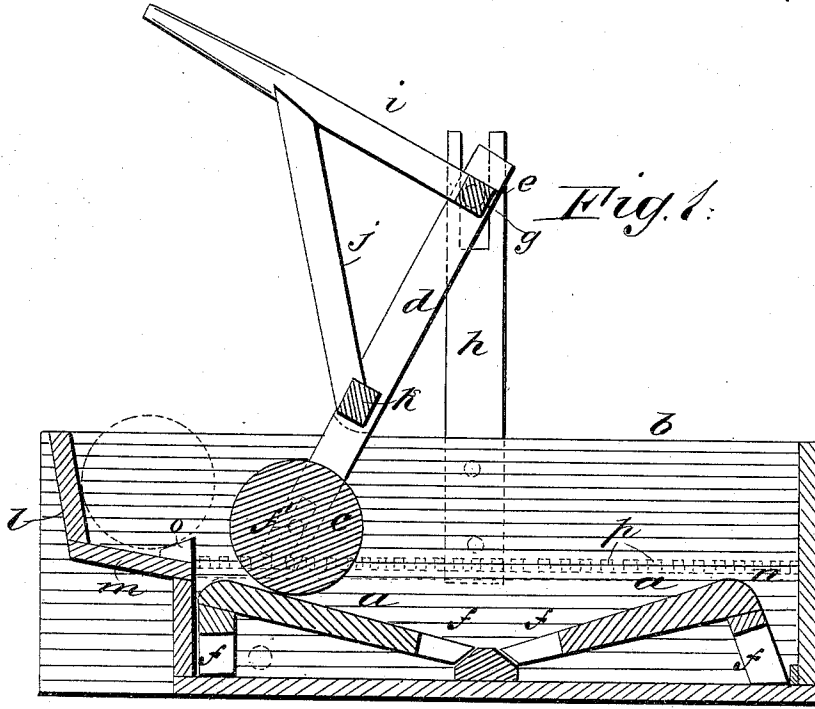


Fig. 1.

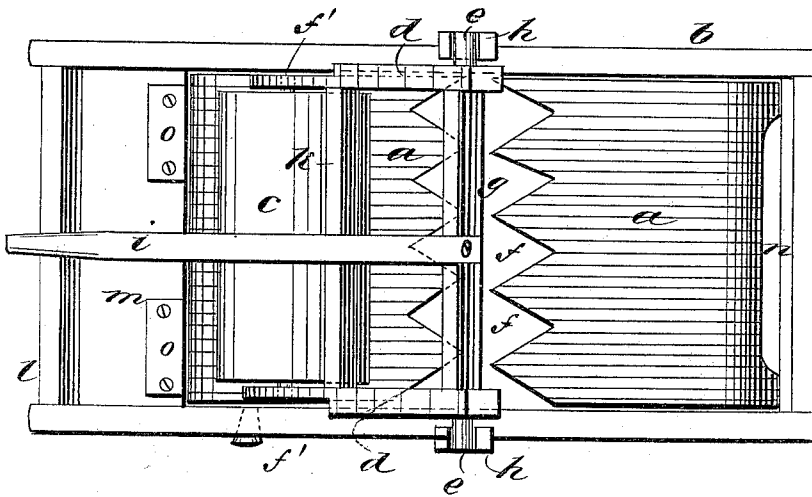


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE W. CROSBY, OF GOOD HOPE, ARKANSAS.

CLOTHES-WASHER.

SPECIFICATION forming part of Letters Patent No. 331,037, dated November 24, 1885.

Application filed May 28, 1884. Serial No. 133,041. (Model.)

To all whom it may concern:

Be it known that I, GEORGE W. CROSBY, of Good Hope, in the county of Faulkner and State of Arkansas, have invented a new and Improved Clothes-Washer, of which the following is a full, clear, and exact description.

My invention consists of an improved contrivance of roller-beds in the tub, and a roller for working the clothes placed on said beds, for a simple and efficient machine to wash and wring the clothes, as hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of my improved washing and wringing machine. Fig. 2 is a plan view, and Fig. 3 is a detail view showing a portion of the rack.

I arrange a couple of roller-beds, *a*, in the tub *b*, extending from the middle of the tub nearly to the ends of the same, but not quite thereto, and being inclined upward from the center each way, suitably for the action of a roller, *c*, to be worked by arms *d*, swinging from the pivots *e*, said beds having openings *f* through their supports at each end, to allow the water to flow freely under them. The roller *c* has its journals *f'* arranged in the slotted ends of the arms *d*, employed for working it, and these arms are connected to a rock-shaft, *g*, the journals of which are confined in the slotted upper ends of the posts *h*, extending up from the sides of the tub. The rock-shaft *g* has a lever-arm, *i*, for working it, and said arm is stayed with a brace, *j*, to the cross-bar *k*. The slots in the arms *d* and the posts *h* for the roller and rock-shaft bearings allow the roller to rise and fall, according as the quantity of clothes is more or less on the roller-beds. At one end of the tub I arrange an extension, *l*, of the same, to form a bench, *m*, having stops *o*, on which to lodge the roller when it is to be removed from the clothes to adjust or remove them. The roller-beds are removably fitted in the tub, to facilitate the cleaning of it.

It will be seen that the spaces between the

ends of the roller-beds and the ends of the tub and the passages *f* through the end supports of the roller-beds allow the water forced up the beds toward the ends of the tub to flow down and back under the beds, and so on in a manner calculated to be very efficient in the washing of the clothes, and the action of the roller on the clothes is simply by pressure, which is not injurious to them.

In this example I have arranged more space at *n* between the roller-bed of that end than at the other end, where less space is required on account of the extension of the tub, on which the surplus water will be retained to some extent while the rest is flowing down between the end of the bed and the end of the tub. The extent of this space may of course be the same as the other, if desired.

For wringing the clothes, the water is first to be drawn out of the tub. Then the roller, passing over the clothes on the bed, will effectually squeeze out the water without damage to the clothes.

The wringing of the clothes will be facilitated by placing a rack, *p*, of open-work, formed of longitudinal bars *r* and transverse bars *q*, on the roller-beds *a*, as shown in dotted lines in Fig. 1, through which the water can escape. The clothes are removed from the tub when washed, the rack then placed in the tub upon the beds *a*, the clothes placed upon the rack, and the roller worked over them, as in washing, thus pressing out the water.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, in a wash-tub, of inclined roller-beds *a*, ascending each way from the middle of the tub, and a roller, *c*, having working-arms *d*, and a lever, *i*, pivoted in the posts *h*, said beds being constructed with passages *f*, for the water, through the end supports, and with passage *n* between the upper ends and the ends of the tub, to facilitate the return of the water under said beds, substantially as described.

GEORGE W. CROSBY.

Witnesses:

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