

Fig. 1. *Wm. J. C. Rummell's*
Swan Lock
Clothes Washer.

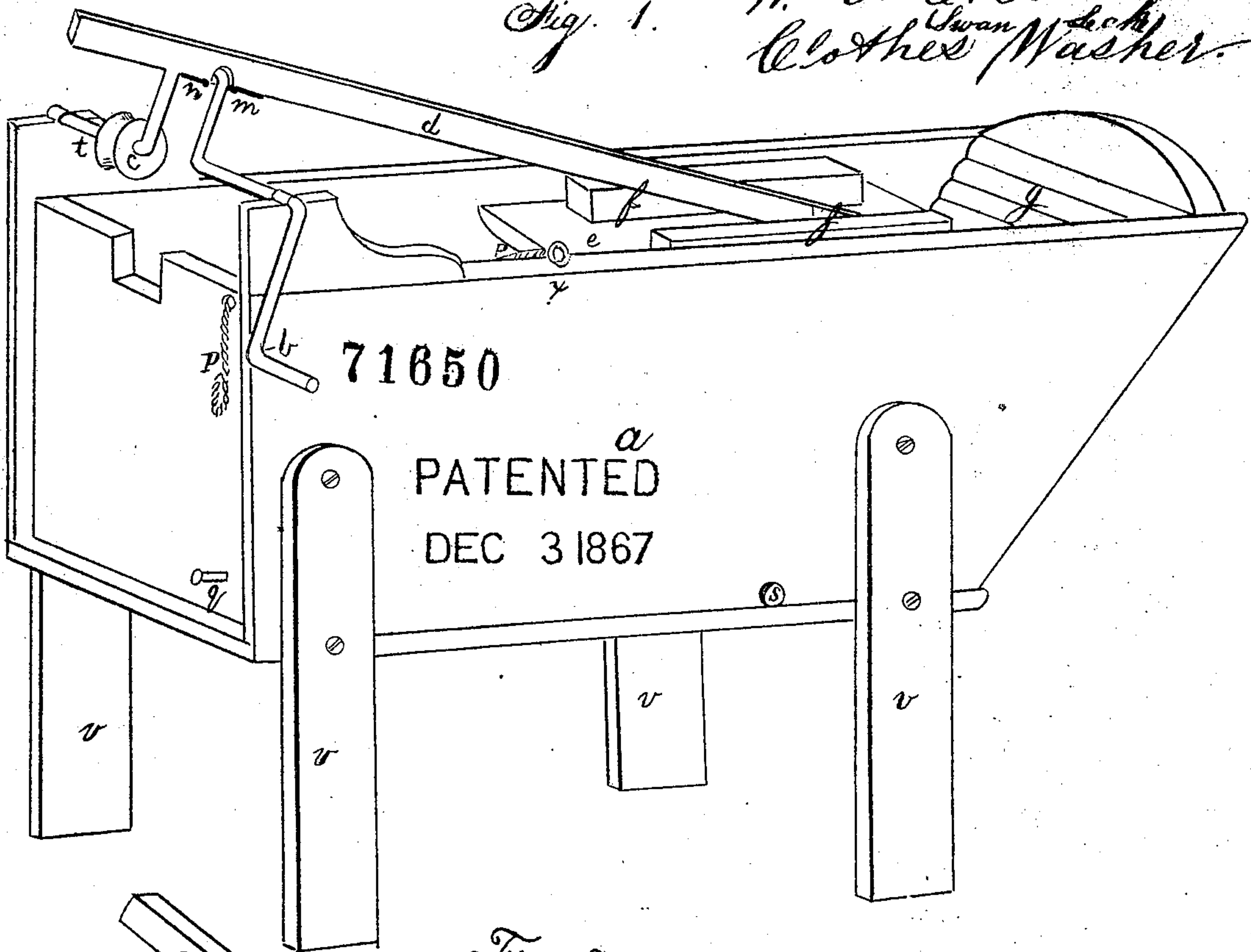
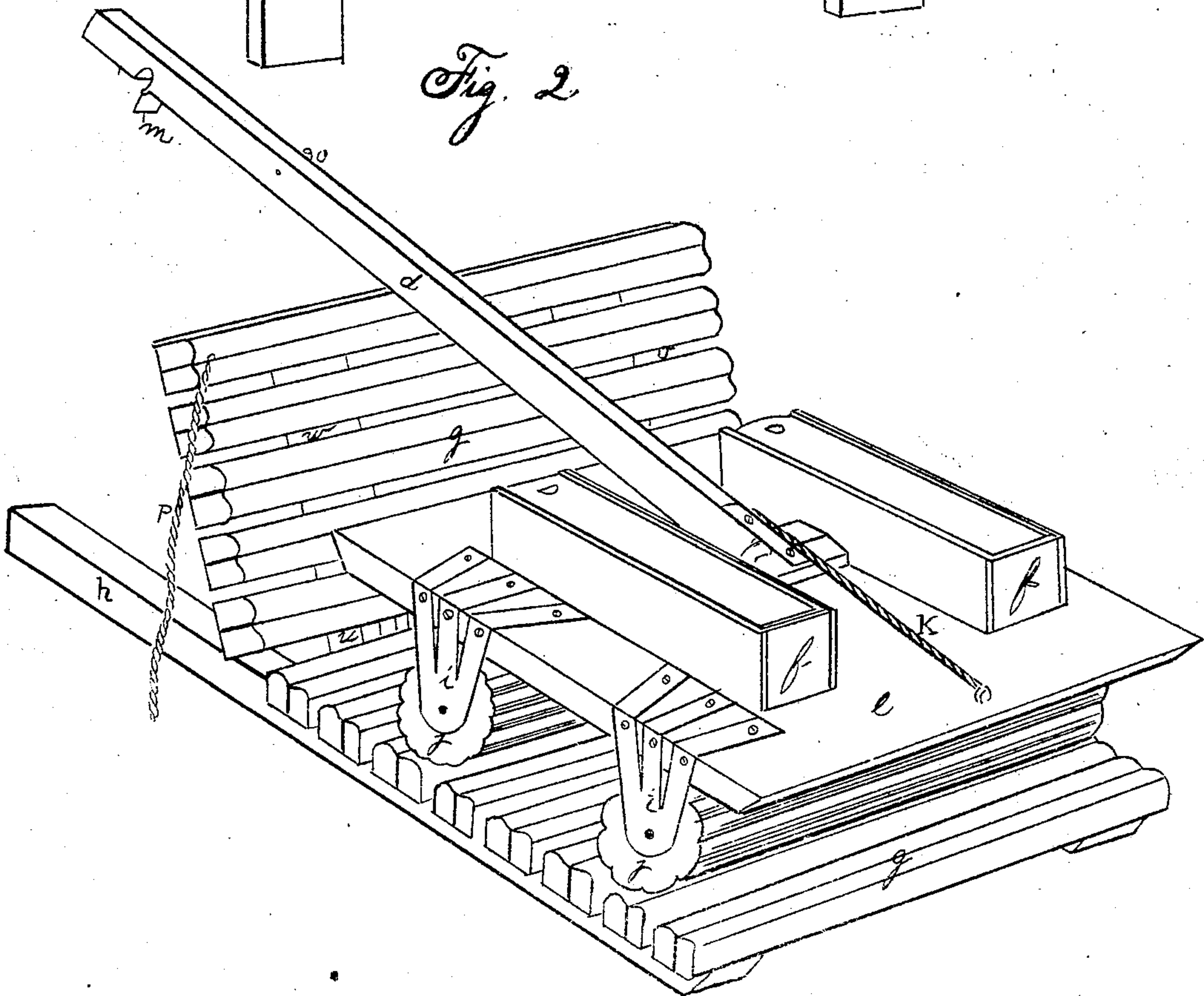


Fig. 2



Witnesses *Amos H. Ellis*
Frank E. Whitcomb

Inventor
W. J. C. Rummell

United States Patent Office.

W. T. C. RUNNELLS, OF SEARSPORT, MAINE.

Letters Patent No. 71,650, dated December 3, 1867.

IMPROVED WASHING-MACHINE.

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

Be it known that I, W. T. C. RUNNELLS, of Searsport, in the county of Waldo, and State of Maine, have invented a new and useful Machine for Washing Clothes; and I hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2, interior section, and in which letter *a* is a tub; *b*, crank; *c*, pulley-block on crank; *d*, shaft; *e*, top of carriage; *f*, boxes for weight; *g*, wash-boards; *h*, long bed-pieces of wash-board; *i*, composition-braces for rollers; *j*, grooved rollers; *k*, pulley-line; *m*, hinge; *n*, button; *o*, hook; *p*, line fastened to hind end of wash-board; *q*, peg to which said line may be fastened; *r*, staple; *s*, cock; *t*, hook; *u*, hinges to wash-board; *v*, tub-legs; *w*, pieces to which hinges are attached; *x*, pin to hold up front end of carriage. Crosswise upon the hind end of a tub, made in shape like tub *a*, in fig. 1, I place a crank, bent in the centre as shown by *b*, in same figure, and on the bottom of the tub I put a wash-board, a part of which can be raised by means of hinges *u*, as shown in fig. 2. Upon this board I place a carriage, which I make by fastening grooved rollers beneath, and to a top board, *e*, by means of composition-roller braces *i*, and bolts; the carriage to be just wide enough to play within and lengthwise of the tub, but shorter than the tub. Upon the top board of the carriage I place boxes *f*, in which to put sand or other heavy substance. When the clothes are to be put in, hook the line *k* to the hooks in pulley, turn the crank until the carriage is drawn back and the front end raised up; press in the pin *x* to hold it up; spread in the clothes upon the bottom wash-board, as far back as the hinges *u*; then take the line *k* from pulley and hook it on *o* on the shaft, that it may be handy, yet not in the way; place the notch in the shaft upon the bend in the centre of the crank *b*, and fasten it by means of hinge and button *m* and *n*; pull the line *p*, attached to the wash-board, and fasten it upon the peg *q*, thus turning the end of the wash-board up on the hinges *u*.

To wash the clothes, turn the crank, which puts the carriage in motion, and forces the rollers, with the weight upon them that may be necessary, over the clothes, which operation effectually rolls, rubs, and presses out the dirt, and thoroughly washes the clothes.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the corrugated and hinged bottom *g* with the rollers *j*, table *e*, weight-boxes *f*, shaft *d*, crank *b*, cord *k*, and tub *a*, substantially as and for the purpose specified.

W. T. C. RUNNELLS.

Witnesses:

AMOS H. ELLIS,

FRANK C. WHITCOMB.