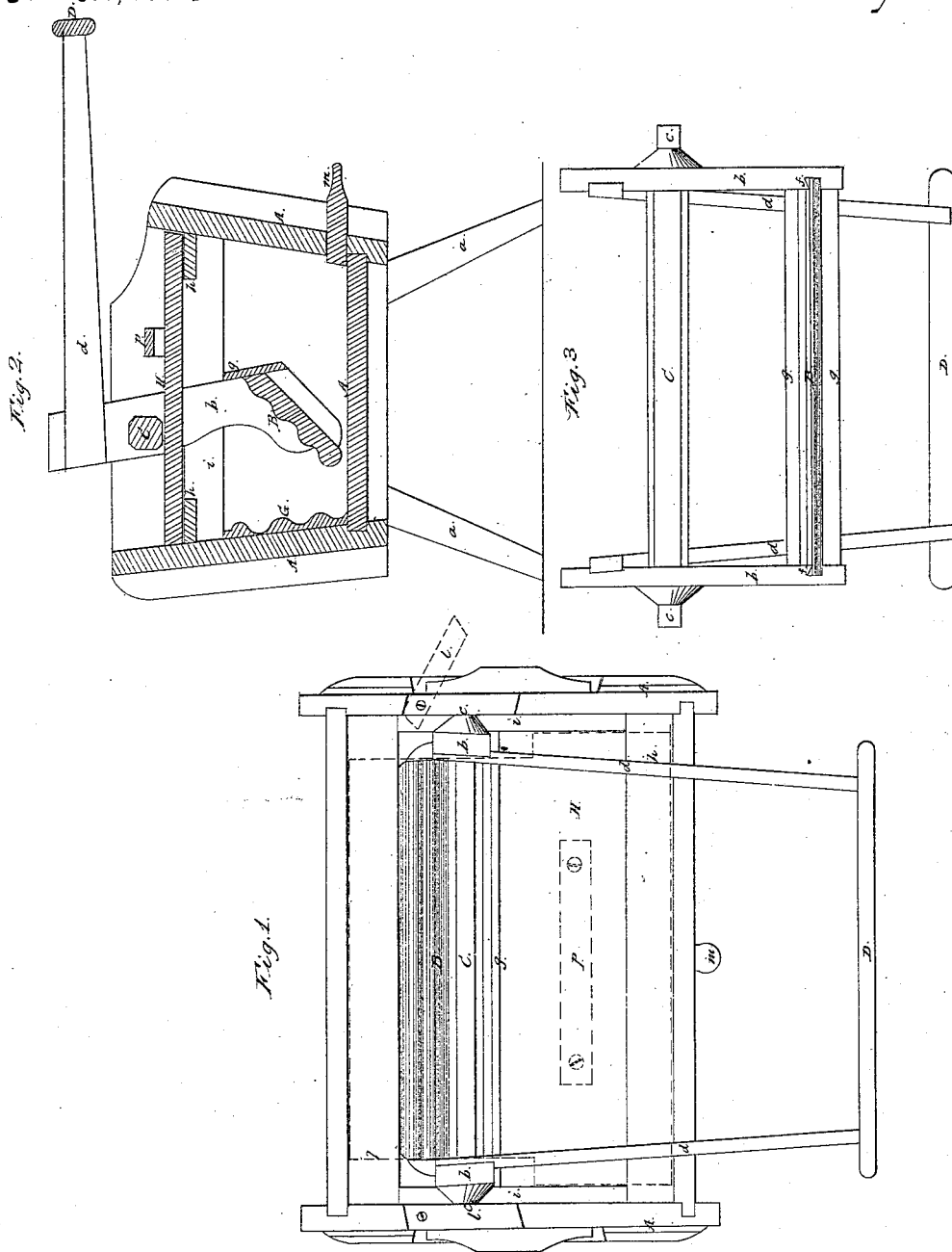


F Elder,

Washing Machine,

Patented May 7, 1867.

N^o 64412.



Witnesses,
Thomas T. Parker?
S. W. Wood

Inventor;
F. Elder
By his atty.,
J. S. Brown

United States Patent Office.

FRANCIS ELDER, OF CHESTER, SOUTH CAROLINA.

Letters Patent No. 64,412, dated May 7, 1867.

IMPROVED WASHING MACHINE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, FRANCIS ELDER, of Chester, in the district of Chester, and State of South Carolina, have invented an Improved Washing Machine; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a top view of the machine.

Figure 2, a vertical section thereof from front to back.

Figure 3, a view of the rubber by itself.

Like letters designate corresponding parts in all of the figures.

The tub or box A may be conveniently made in the manner and of the form represented in the drawings, and with removable legs *a a*, as shown, for compactness in transporting and storing. It has overhanging ledges *h h* and *i i*, inside near the top, on which the removable cover H rests, as shown; the cover being so arranged as to enter under the roller C of the rubber. This employment of the overhanging ledges perfectly guards against any spattering of the water, so that the machine is very neat and tidy in use. The tub may flare a little toward the top, at the two ends at least. At one end is a stationary grooved or corrugated wash-board, G, against which the clothes are pressed and rubbed by the action of the rubber B. The rubber B is secured obliquely downward and forward, between two side-bars *b b*, the attachment being by dove-tail joints *f f*, as seen in fig. 3. It is grooved or corrugated on the front inclined side. There is a dasher-board, *g*, at the upper edge, projecting both above and below the rubber, for the purpose of keeping the clothes more securely in front of the rubber, and to cause the water to flow more abundantly among the clothes, and to cause greater agitation. The upper ends of the side-bars *b b* are connected by the roller C, which projects through them and forms journals *c c* that rest in bearings in the sides of the tub or box A, wherein the rubber swings or vibrates. The journals are covered and held in place by caps *l l* which swing out and in readily, as indicated in fig. 1, so that the rubber can very easily be removed and replaced. The rubber has a handle, D, for operating.

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

The combined arrangement of the ledges *h h i i*, cover H, rubber B, movable journal-caps *l l*, and dasher-board *g*, both above and below the rear or upper edge of the rubber B, as specified.

The above specification of my improved washing machine signed by me this day of , 1866.

FRANCIS ELDER.

Witnesses:

D. LECKIE,

T. A. KENDRICK.