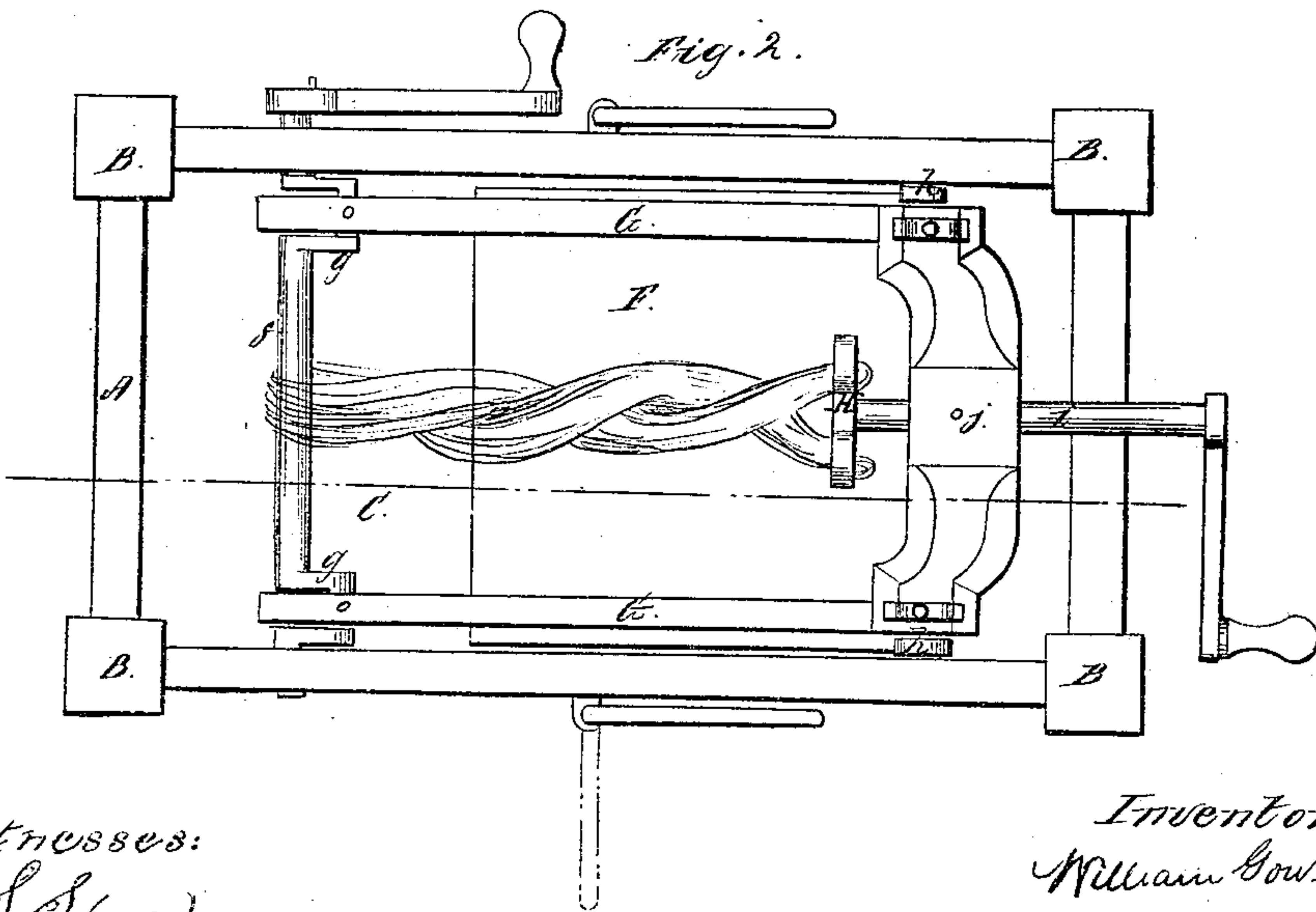
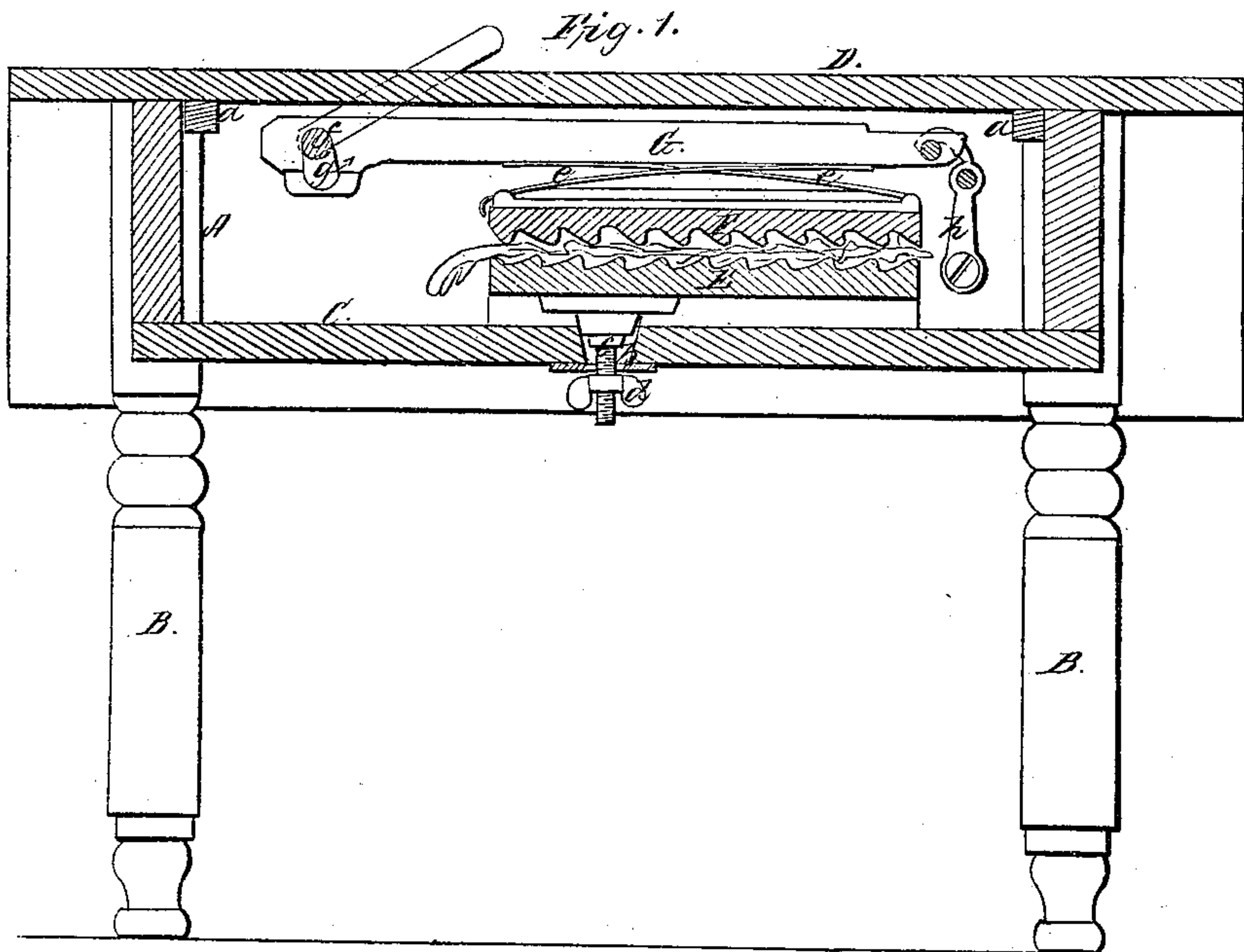


W. Gowen,

Washing Machine,

N<sup>o</sup> 29,160.

Patented July 17, 1860



Witnesses:  
R. S. Sparrow  
J. W. Coombs

Inventor:  
William Gowen  
per Mumf. & Co.  
Attorneys



# UNITED STATES PATENT OFFICE.

WILLIAM GOWEN, OF WAUSAU, WISCONSIN.

## WASHING-MACHINE.

Specification of Letters Patent No. 29,160, dated July 17, 1860.

*To all whom it may concern:*

Be it known that I, WILLIAM GOWEN, of Wausau, in the county of Marathon and State of Wisconsin, have invented a new and  
5 Improved Combined Table and Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of  
10 this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention, the line *x, x*, Fig. 2 indicating the plane of section. Fig. 2 is a plan or top view of the same, the table  
15 top being removed in order to expose the working parts of the washing machine.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in arranging in  
20 the interior of the frame of a table, a stationary corrugated washboard in combination with a corrugated reciprocating spring rubber, the latter being held down on the washboard by means of oscillating hooks  
25 and to be operated by a crankshaft in such a manner that on removing the top of the table the frame serves as a complete washing machine; and the invention consists further in combining with the crankshaft,  
30 which serves to operate the rubber, a double rotary hook for the purpose of wringing the clothes, as will be hereinafter more fully explained.

To enable those skilled in the art to make  
35 and use my invention I will proceed to describe the same with reference to the drawings.

A represents the frame of a common table supported by legs B, and provided with a  
40 solid bottom C, so as to form a water tight box or tub. The top D, is placed loosely on the frame, and it may be fastened to the same by means of a screw. Slats *a*, on both ends serve to keep it in its place.

45 The bottom C, of the frame is furnished with a conical aperture *b*, which forms the seat for the conical portion of a flanged screw *c*, that serves to retain the washboard E, in its place. The screw *c*, is fastened by  
50 a nut *d*, underneath the bottom of the frame A, and when this nut is screwed up, the aperture *b*, is closed perfectly water-tight. The surface of the washboard is corrugated, as clearly shown in Fig. 1, so that the  
55 clothes placed on it receive a thorough rub-

bing in the manner of common hand-washing. The rubber F, is placed over the washboard. It is attached by means of springs *e*, to a frame G, which receives a reciprocating motion through the agency of a double crankshaft *f*. The cranks *g*, of this shaft are secured to one end of the frame G, and its other end is held down by oscillating hooks *h*.  
60

By turning the crankshaft the frame G,  
65 together with the rubber assume a reciprocating motion, and as the end of the frame G, moves up and down under the action of the cranks, the pressure exerted by the rubber on the washboard is varied according to  
70 the position of the cranks. At the same time the other end of the frame G, is held down at the same distance from the washboard by means of the hooks *h*, and if the crankshaft is turned in the direction of the  
75 arrow marked near it in Fig. 1, the clothes work themselves through from one end of the washboard to the other, being rubbed and squeezed and thoroughly cleaned by the  
80 time they have passed over the whole surface of the washboard. When my table is to be used as a washing machine, the top is taken off, and the washboard is secured in its place by means of the screws *c*, and the  
85 frame G, is secured to the hooks *h*. The frame A, is now filled with water and soap-suds in the usual manner and the washing proceeds.

For wringing the clothes I secure to the top of the frame G, and to that end of the  
90 same which is held down by the hooks *h*, a rotary double hook H, attached to an arbor *i*, which has its bearing in a box *j*, on the top of the frame G. Thus it will be  
95 seen that the position of this hook is opposite the crankshaft *f*, and if a piece of cloth is to be wrung, it is doubled up around the crankshaft *f*, and its ends are pulled through the hook H, as clearly shown in  
100 Fig. 2, in red outlines. By rotating the arbor *i*, the cloth is twisted and the water is expelled.

This device is very convenient for housekeepers as it serves for the double purpose of a table and of a washing machine, and it  
105 does its washing as perfect as can be done by hand.

I am aware that washing machines have been combined with tables in a manner similar to my device and I do not therefore claim  
110

broadly the combination of a table with a washing machine; but,

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

1. The arrangement of the corrugated stationary washboard E, and the corrugated reciprocating spring rubber F, in combination with the double crankshaft *f*, hooks *h*, and frame A of a table constructed and op-

erating substantially as and for the purpose specified.

2. The combination with the crankshaft *f*, and rubber carrying frame G, of the double rotary hook H, substantially in the manner and for the purpose specified.

WILLIAM GOWEN.

Witnesses:

HIRAM CALKINS,  
HENRY GOWEN.