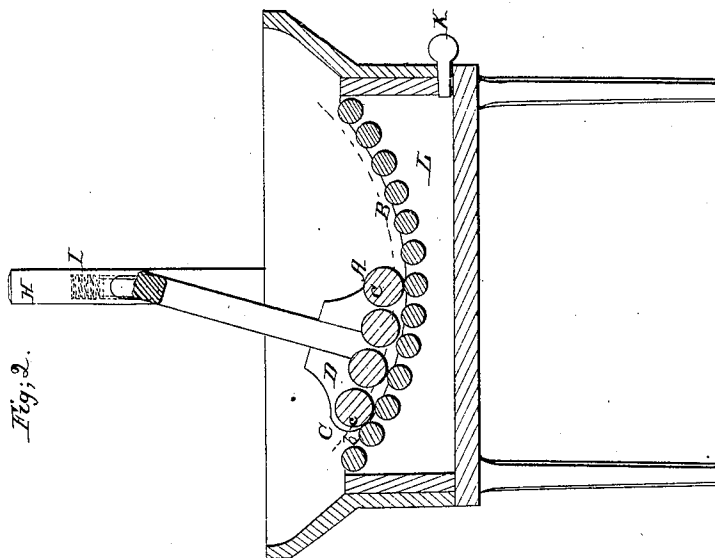
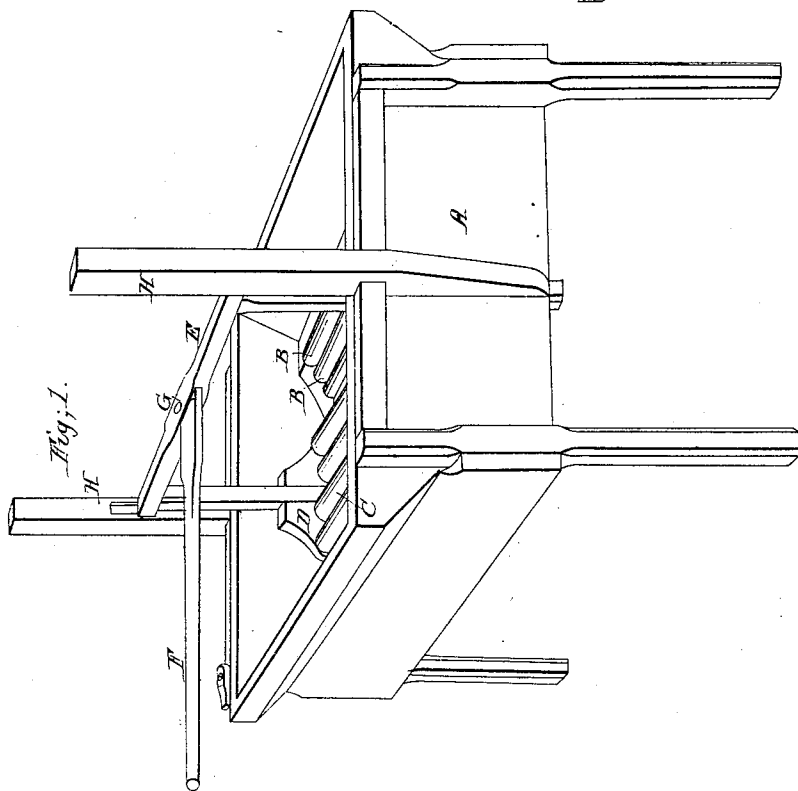


*L. Tupper,*

*Washing Machine,*

*N<sup>o</sup> 5,491.*

*Patented Mar. 28, 1848.*



# UNITED STATES PATENT OFFICE.

LEWIS TUPPER, OF GENOA, NEW YORK.

## WASHING-MACHINE.

Specification of Letters Patent No. 5,491, dated March 28, 1848.

*To all whom it may concern:*

Be it known that I, LEWIS TUPPER, of the town of Genoa, in the county of Cayuga and State of New York, have invented a  
5 new and useful Improvement in Machines for Washing Clothes, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

10 Figure 1 is a perspective view of the machine. Fig. 2 is a vertical longitudinal section of the machine.

The nature of my invention and improvement consists in making the rollers C of the  
15 dasher of greater diameter than the rollers B of the bed for the purpose of reducing friction and preventing the danger of having the clothes injured by passing said rollers back and forth over them, the said rollers being prevented, by reason of their superior diameter from descending into the spaces between the small rollers of the concave wash bed and tearing small and fine  
20 clothing when in said spaces during the operation of washing.

A represents the wash box made in the usual manner.

B is the concave bed of revolving rollers turning on pivots, or gudgeons, in a frame  
30 L, placed in the bottom of the box.

C are the swinging or dash rollers made of greater diameter than the rollers B of the concave.

D is the swinging or dash frame in which  
35 the rollers C revolve.

E is the rock shaft to which the arms of the dash frame are affixed.

F is the propelling lever for rocking the shaft.

40 G is a pin that connects the lever and rock shaft together.

H are the uprights secured to the wash box in the usual manner, and on which the rock shaft turns.

I are spiral springs that allow the rock  
45 shaft to rise and fall during its reciprocating movement over the bed of rollers, and to rise when a quantity of clothes are introduced between the dasher and the bed.

K is a plug for letting off the dirty water  
50 after the washing is finished.

All the rollers are made to turn on their own axis.

I do not claim as my invention making a machine to wash clothes by means of a concave  
55 bed of rollers and a vibratory frame of rollers to move back and forth over the same, as this has been done, but

What I do claim as my invention and desire to secure by Letters Patent is—  
60

Making the rollers B of the concave wash board or bed, and vibrating dasher C, of different sizes for the purpose of reducing friction and preventing the danger of having the clothes injured by passing said rollers  
65 back and forth over them, the said rollers being prevented (by reason of their greater diameter) from descending into the spaces between the small rollers of the concave wash bed and tearing small and fine  
70 clothing when confined in said spaces during the operation of washing as herein set forth, the large and small rollers of the dasher and concave revolving on their axes as the frame swings to and fro over the bed  
75 of rollers.

LEWIS TUPPER.

Witnesses:

WM. P. ELLIOT,  
JOSEPH HARDY.