

D. Haldeman,

Washing Machine,

Patented Nov. 6 1855.

N^o 13,751.

Fig. 2.

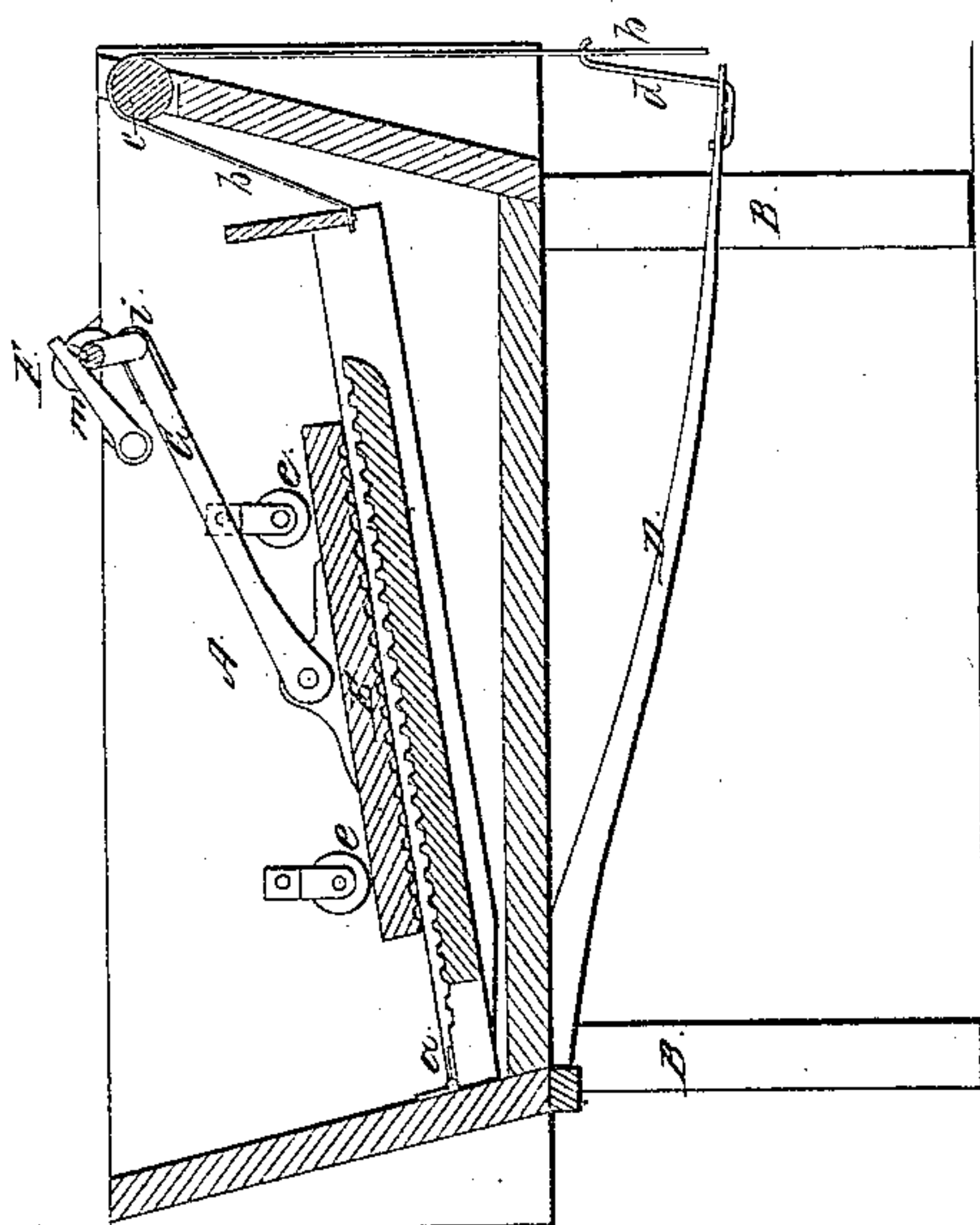
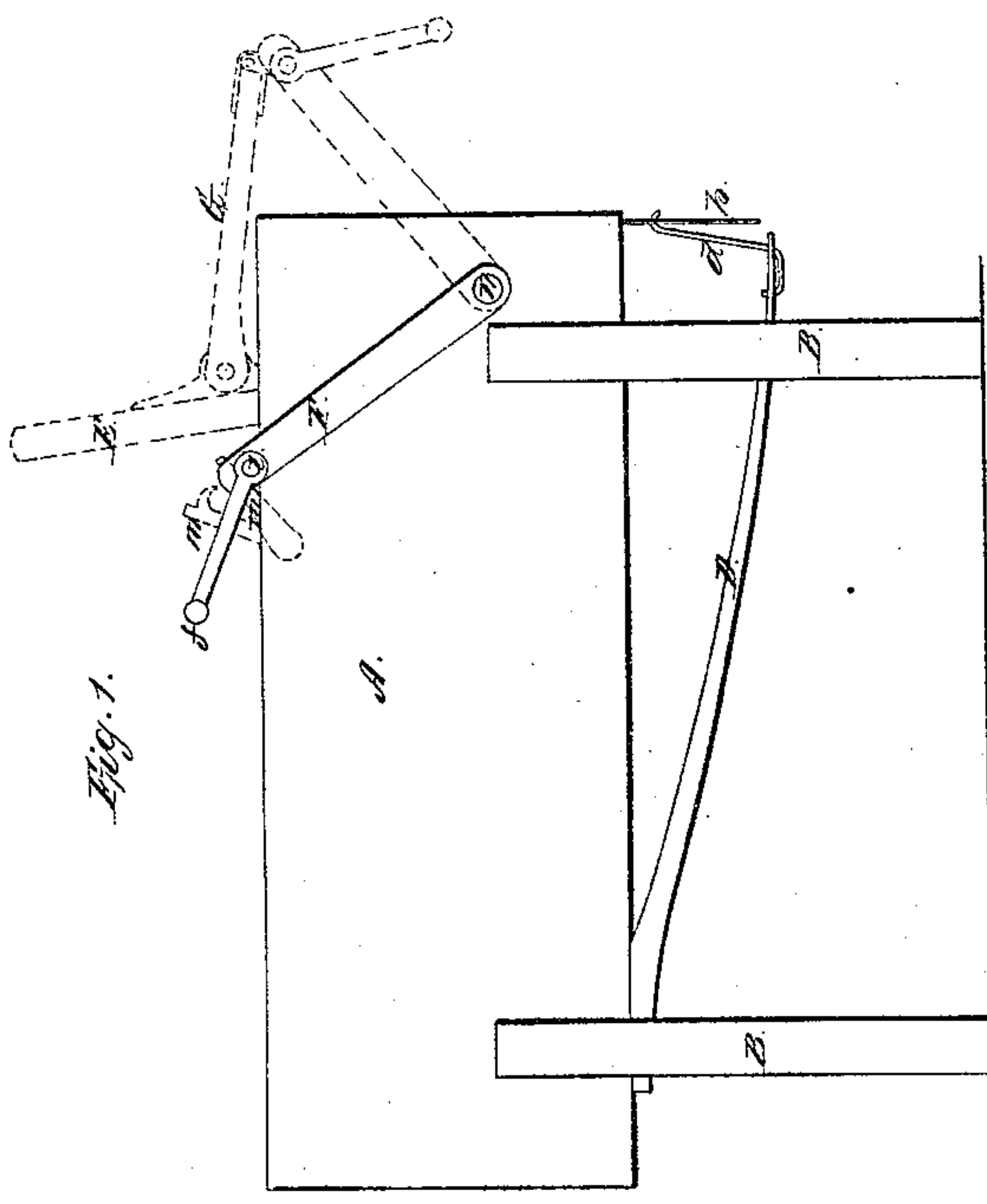


Fig. 1.



UNITED STATES PATENT OFFICE.

DANL. HALDEMAN, OF MORGANTOWN, VIRGINIA.

WASHING-MACHINE.

Specification of Letters Patent No. 13,751, dated November 6, 1855.

To all whom it may concern:

Be it known that I, DANIEL HALDEMAN, of Morgantown, in the county of Monongalia and State of Virginia, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part thereof, in which—

Figure 1, represents a side view with the parts as arranged for operating the machine in black, and the same parts when the rubber is raised up, in red lines, and Fig. 2, represents a longitudinal vertical section through the center of the machine.

Similar letters in the two figures denote like parts.

The nature of my invention relates to the particular manner of hanging the rubbing board to the box, so that it may be readily held to its work, and as readily removed out of the way to remove or replace the clothes yet remain hinged to the box, as will be described.

A, represents the wash-box, supported on legs B. The lower or immovable, or rather nonremovable rubbing board C, is hinged to one end of the box on the inside thereof as at *a* and to the other end is connected a strap or cord *b*, passing up and over a pulley *c* thence downward to a hook *d*, which is connected to a spring D, attached to the under side of the box. This makes the rubbing board C, yielding against the action of the spring, and holds it up against the action of the upper reciprocating wash board E, or to the clothes between the two boards.

The board E, runs underneath friction rolls *e, e*, placed against the sides of the box, which prevent said board from rising, but allows it to move freely, notwithstanding the pressure against its under side caused by lower rubbing board or the clothes to be washed between the two.

i, is a crank shaft, extending across the top of the box, to which a winch *f*, is attached to give it motion. This shaft *i*, passes through a hinged arm F—one on each side of the box—said arms being pivoted at *n*, and a slight depression or bearing is arranged in the top of the box for said shaft to rotate in.

m, m, are two hooks, pivoted to the sides of the box, so as to catch over, and hold the shaft *i* in its depressions when the clothes are being washed. On or about the center of the shaft *i*, is a crank *o*, to which one end of a pitman G, is connected, the other end thereof being connected to the wash board E, for vibrating said wash board.

When it is desired to remove the wash board E, to get at the clothes, the hooks *m, m* are raised up (as shown in red lines in Fig. 1), and by drawing back the shaft, it is carried by the arms F, turning at *n*, together with the wash board connected to said shaft, entirely out of the machine if desired, but out of the way of easy access to the clothes. By reversing the operation, and shutting down the hooks, the wash board is again in place to be vibrated as before.

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

The combination of the hinged arms crank shaft restraining hooks and rubbing board for the purpose of holding, and operating said rubbing board in its proper position while washing, and to enable the operator to raise it out of the machine to remove or replace the clothes, by simply throwing back the restraining hooks, and drawing the shaft (still pivoted to the arms) toward the end of the machine as set forth.

DANIEL HALDEMAN.

Witnesses:

SANFORD PICKENPAUGH,
GEO. M. REVY.