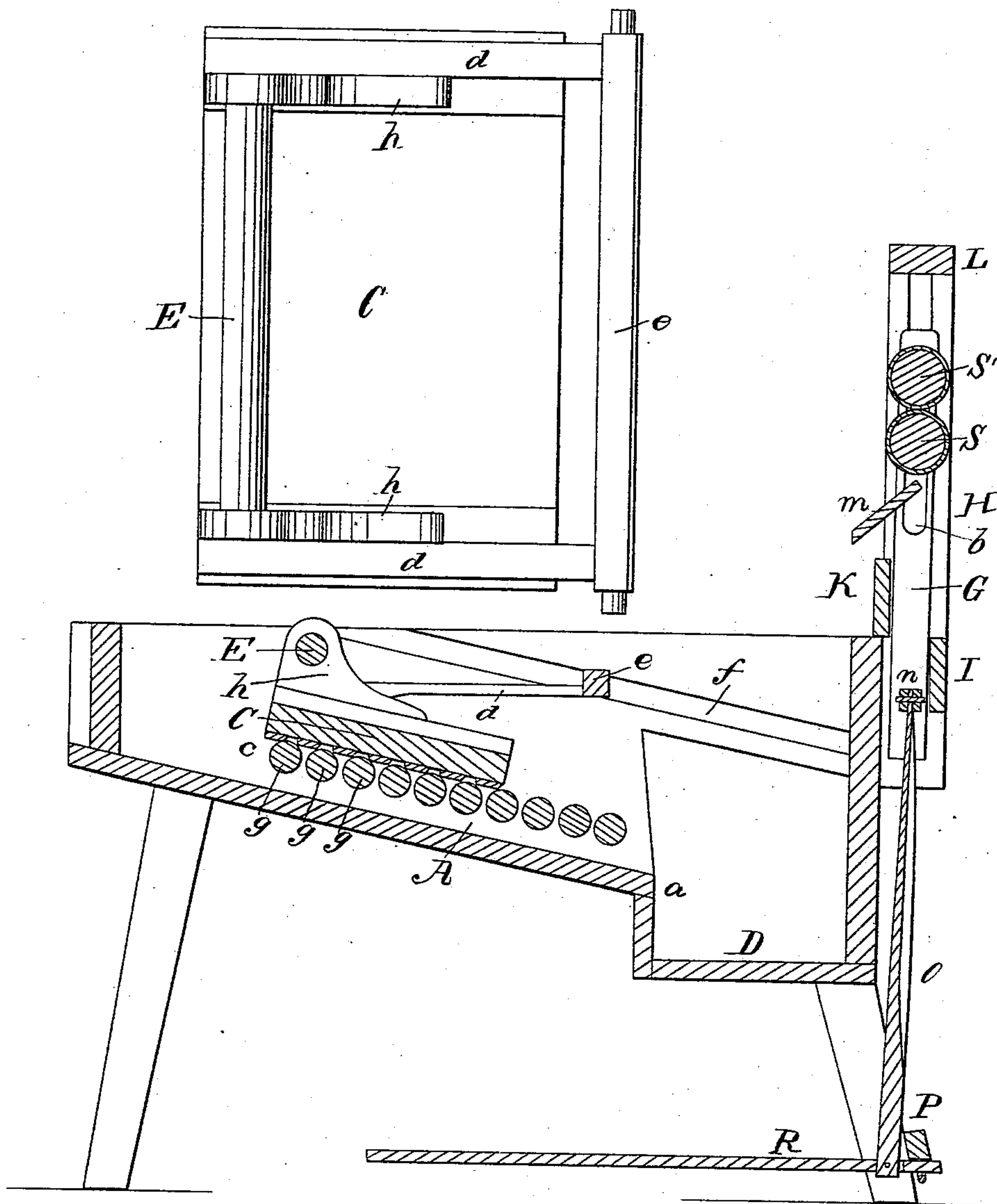


J. S. Lash,

Clothes Wringer,

Nº 36,658.

Patented Oct. 14, 1862.



Witnesses;
Charles Alexander
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UNITED STATES PATENT OFFICE.

JOHN S. LASH, OF CARLISLE, PENNSYLVANIA.

IMPROVED WASHING AND WRINGING MACHINE.

Specification forming part of Letters Patent No. 36,658, dated October 14, 1862.

To all whom it may concern:

Be it known that I, JOHN S. LASH, of Carlisle, Cumberland county, and State of Pennsylvania, have invented certain new and useful Improvements in Apparatus for Washing and Wringing Clothes; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object my invention is the construction of apparatus for washing and wringing clothes, so arranged as to avoid the labor and waste of time experienced in adjusting two separate machines together, as in the case of other washers and wringers.

In the drawings annexed, Figure 1 represents a vertical section of my machine, taken lengthwise. Fig. 2 is a plan view of the rubber.

The body of the machine consists of an oblong box, the end where the operator stands being about a foot in depth, but increasing gradually in depth until it reaches the point *a*, and there the platform terminates in an abrupt descent, which forms one side of the tub D.

Above the platform A is a series of rollers arranged at right angles with the sides of the box, and having their bearings in its sides. These rollers extend from near the tub D to the point *c*, being placed about half an inch above the platform A, and sufficiently far apart to revolve without contact.

The rubber C consists of a flat board with slats nailed on the under surface, and in line with the rollers upon which they are designed to act. These slats may be less than an inch in width, rounded at the edges, to prevent their cutting the clothes, and placed at the same distance apart.

On the top of rubber C two springs of elastic wood are adjusted—one near each end of C. These springs (represented by the letter *d*) extend a little beyond the opposite end of the rubber C, and are fastened securely to the cross-bar *e*, the ends of *e* being rounded, so as to work in the grooves *ff*, cut in the inner side of the box at an angle corresponding with that of the platform A.

E is the handle of the rubber, secured in position by passing through the boards *h*, which are fastened edgewise to the rubber C, and inside of the springs *d d*.

In operating this machine the operator stands at the shallow end of the box and moves the rubber backward and forward over the rollers *g g*, elevating the end next to him when the material to be washed requires it, the lower end of the rubber being elevated by the yielding of the springs *d d*.

At the tub end of the box the frame for holding the wringer is placed. This consists of two uprights, a section of one being exhibited by H in Fig. 1. These uprights are bound together at top by the cross-tie L above the rollers, and the ties K and I below them, inside of the uprights, and playing vertically upon their surface is the gate or movable frame G, the sides of which are kept in position by the uprights, and by a lap in the ends of the inclined board *m m*, being designed to conduct the escape-water into the tub D. The sides of the gate G have openings in them extending far enough beneath and above the rollers S'S to admit of the play of S' in adapting itself to the material passing under it. The roller S passes through this opening and through its bearing in the upright H, and S' through the same opening and through a corresponding one in H. The cross-bar *n* connects the sides of the gate G. To this bar the pitman O is fastened, and, descending below the cross-tie P, is adjusted to the lever R by a bolt, P, acting as the fulcrum to R. By the lever R the pressure of S' upon S is regulated.

Having thus described my machine, what I claim, and desire to secure by Letters Patent, is—

The gate or movable frame G, the pitman O, the lever R, the roller S', the rubber C, the springs *d d*, the grooves *ff*, and the rollers *g g*, the whole arranged in the manner and for the purpose herein fully set forth and described.

JOHN S. LASH.

Witnesses:

DAVID SMITH,
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