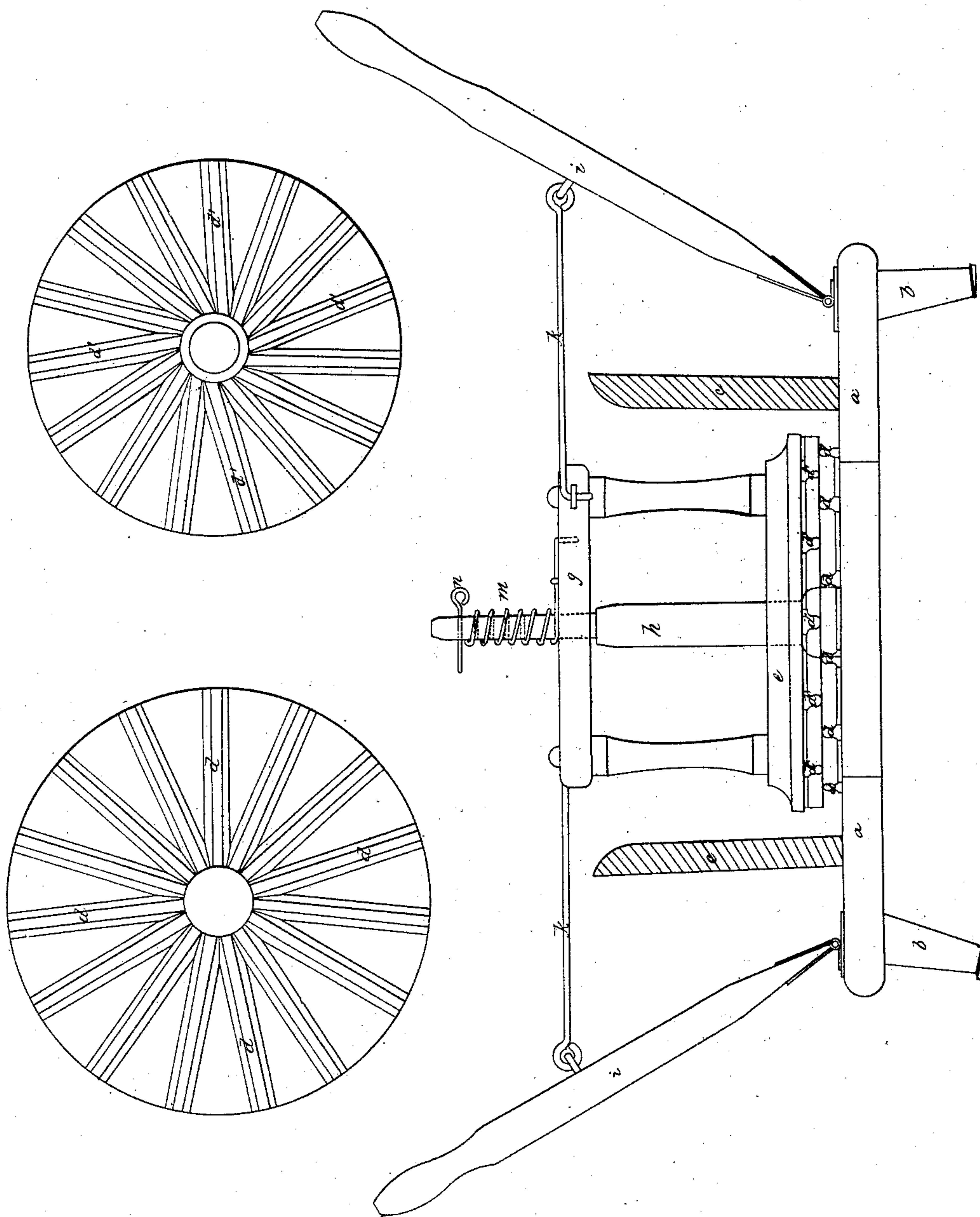


H. P. Briggs,
Washing Machine,

N^o 34,812.

Patented Apr. 1, 1862.



Witnesses:
Olin. A. G. Todd
H. P. Briggs.

Inventor:
H. P. Briggs

UNITED STATES PATENT OFFICE.

HENRY P. BRIGGS, OF BROOKFIELD, CONNECTICUT.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 34,812, dated April 1, 1862.

To all whom it may concern:

Be it known that I, HENRY P. BRIGGS, of Brookfield, county of Fairfield, and State of Connecticut, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the same is described and represented in the following specification and drawing.

To enable others skilled in the art to make and use the same, I will proceed to describe its construction and operation.

By referring to the accompanying drawing and description the nature of this improvement in washing-machines will be readily understood, in which—

a is the bench on which the mechanism is arranged, and is supported at its proper or desired height by the legs *b*.

c represents a tub secured onto the bench *a*.

d are ledges arranged in diverging lines from the center of the tub.

e is a disk, having ledges *d'* secured to the under side at an angle of about two degrees with the center line thereof to produce (by the joint action of the two ledge surfaces) a more perfect and effectual rubbing-surface to act upon the clothes placed between them. The posts *f f*, with the yoke *g*, are secured together on the upper side of the disk *e*, so as to revolve or oscillate upon the stud or spindle *h*, first, for the purpose of steadying it in its place, and, second, to communicate power or motion to the disk *e*.

i i are the operating-levers, secured to the bench *a* by plate and strap-hinge *j*, and the connection formed from the levers *i* to the yoke *g* by hook-arms *k*.

m is a spiral spring placed upon the upper end of the spindle *h*, one end resting upon

the yoke *g* and is secured thereto, and its pressure upon the disk *e* is graduated by raising or lowering the pin *n*.

The clothes and suds are placed in this machine in the usual way, and a semi-rotary motion is given to the disk *e* by working the arms *i i* back and forth, which produces a crosswise or drawing rub motion of the upper ledges *d'* over the lower one *d*, which tends continually to change the position of the clothes and bring every part of them to the action of the ledges *d d'* as the disk *e* oscillates back and forth, as aforesaid, and by unhooking the arms *k* and removing the pin *n* the disk *e* may be readily removed and replaced at pleasure. By this arrangement of mechanism the machine is rendered cheap and easy of construction and operation, and may be operated by one or two persons, and does its work in the most perfect manner and without injury to the clothes.

I believe I have so described the construction and operation as to enable a skilled person to make and use the same.

What I claim, therefore, and desire to secure by Letters Patent, is—

The arrangement of a tub with the ledges *d* upon a form or bench *a*, in combination with the disk *e* and ledges *d'*, spring *m*, hinge-levers *i i*, yoke *g*, and arms *k*, substantially in the manner as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal this 12th day of February, 1862.

HENRY P. BRIGGS. [L. s.]

Witnesses:

OLIVER A. G. TODD,
P. W. BRIGGS.