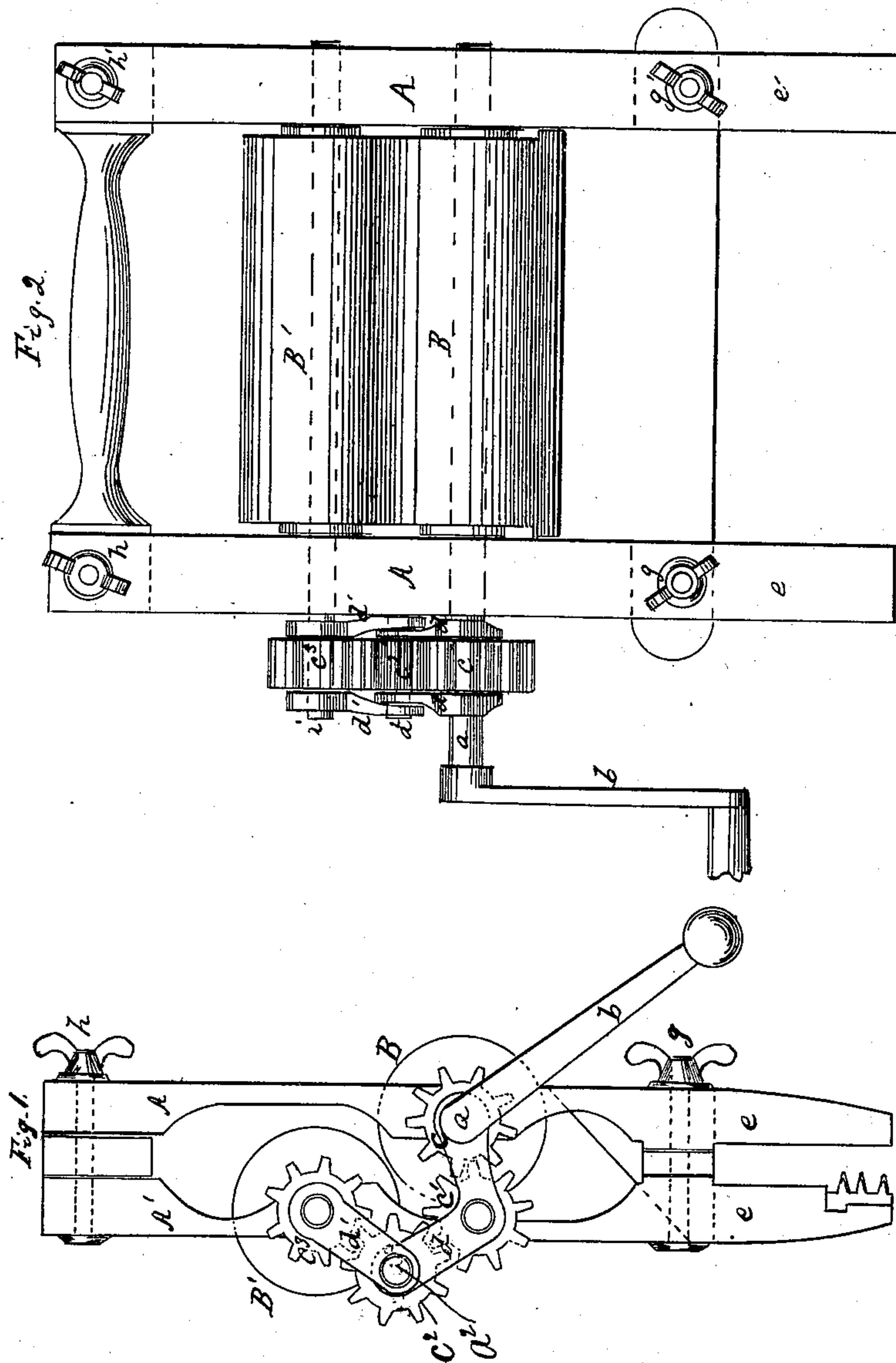


# H. E. Smith, Clothes Wringer.

No 75,066.

Patented Mar. 3. 1868.



Witnesses.

John C. Newshaw.  
Amos H. Hill

Inventor.

Hamilton E. Smith

# United States Patent Office.

HAMILTON E. SMITH, OF NEW YORK, N. Y.

*Letters Patent No. 75,066, dated March 3, 1868.*

## IMPROVED CLOTHES-WRINGER.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, HAMILTON E. SMITH, of New York, in the county and State of New York, have invented a new and useful Improvement in Clothes-Wringer; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a side view of my improved clothes-wringer, showing the spring-posts, having adjustment-screws in their legs, below the squeezing-rollers, which are connected by intermediate compensating gear.

Figure 2 represents a front view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and useful improvement in the spring-posts of clothes-wringers, and consists in the application to the legs or lower part of the posts, below the squeezing-rollers, of adjusting-screws, whereby the legs of the posts may be adapted to staves of various thickness in ordinary wash-tubs, or different-sized washing-machines, and may be screwed up tight, to hold the wringers firmly when in operation, which is quite necessary to do the work well, and is not accomplished by the old plan of having but one set of adjustable screws above the squeezing-rollers in the spring-posts.

A A' are double-spring posts, made of hickory or other suitable elastic wood, in which are hung the vulcanized rubber rollers B B', on axes *a a'*, in the ordinary way. The upper ends of the spring-posts are connected, as usual, with adjusting thumb-screws *h h'*, and the lower ends or legs, *e e'*, are also provided with adjusting thumb-screws *g g'*, by which they may be spread apart more or less, to adapt and fit them to washing-tubs and staves of different sizes, and screwed up firmly thereupon, to hold the clothes-wringer fast and steady when in operation. On the axis *a* of the lower squeezing-roller B is a crank, *b*, as usual, and a cog-wheel, *c*, that gears into the intermediate *c<sup>1</sup>*, which gears into another intermediate *c<sup>2</sup>*, that engages the cog-wheel *c<sup>3</sup>*, on the axis *a'* of the upper squeezing-roller B', the intermediate wheels being supported by arms or straps *d d'*, which are loosely connected with the axes *a a'*, and *a<sup>3</sup>* of the gear *c<sup>3</sup>*, together constituting compensating gearing between the squeezing-rollers, to allow them to come wide apart in operation, without disengaging the cogs, as in rigid gearing.

I am aware that intermediate compensating gearing has been previously employed, and therefore do not claim this as my invention; but, having described the invention of an improvement in the adjusting-screws applied to the legs of spring-posts of clothes-wringers, and the uses and advantage thereof—

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

The spring-posts A A', when provided with the adjusting-screws *g g'* in their legs *e e'*, combined with the rollers B B' and the compensating gearing connecting them, arranged and operating substantially as and for the purpose herein described.

Witnesses:

JOHN C. HENSHAW,  
AND W. GILL.

HAMILTON E. SMITH.