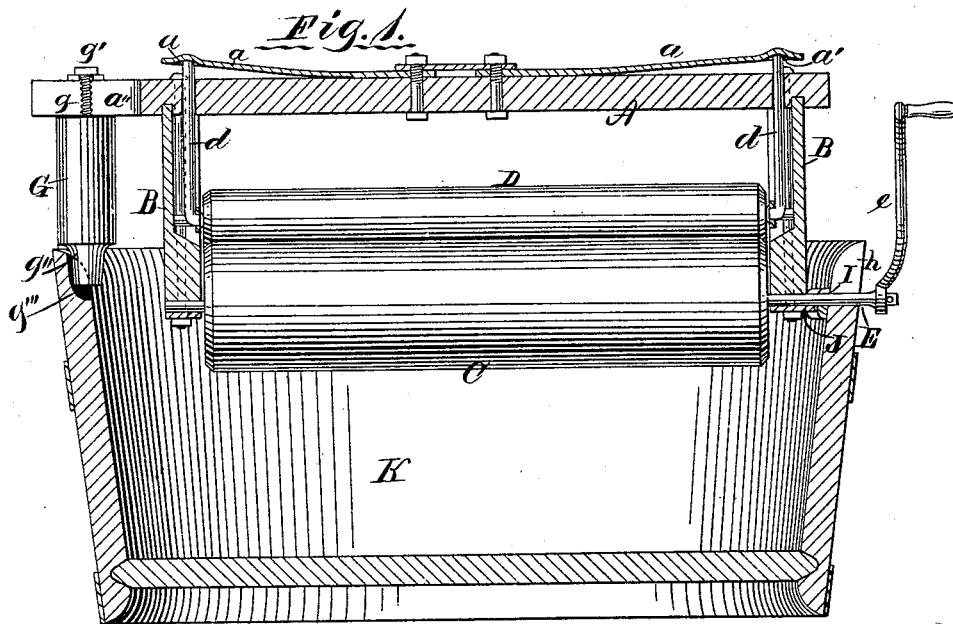
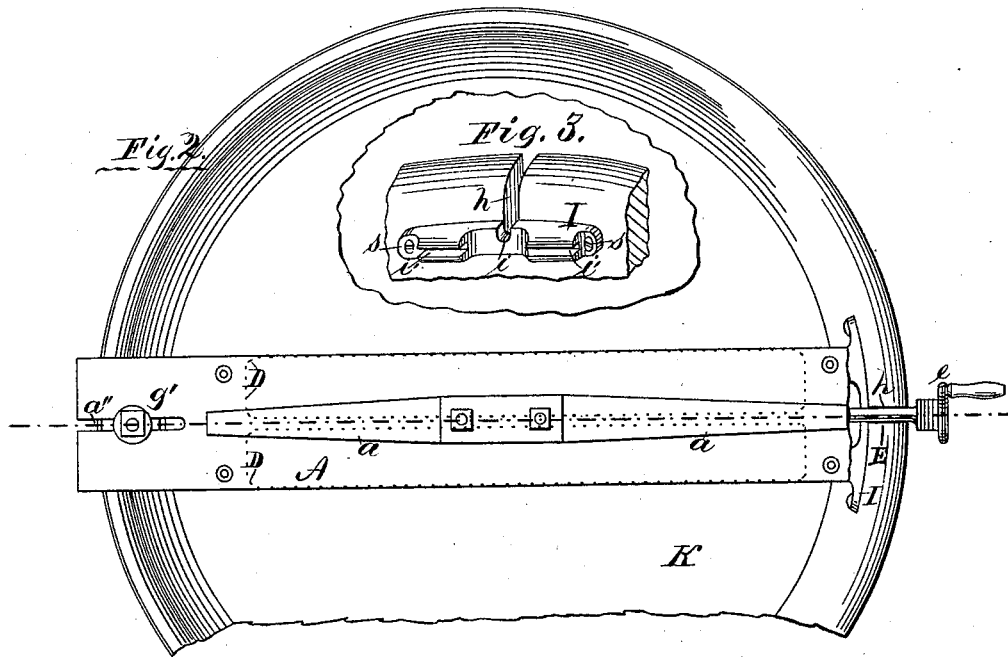


G. W. COLE.  
Washing-Machine.

No. 167,071.

Patented Aug. 24, 1875.



Witnesses:  
W. H. Barringer  
J. J. Muircliff

Inventor,  
Gideon W. Cole,  
By W. B. Richards,  
att'y.

# UNITED STATES PATENT OFFICE.

GIDEON W. COLE, OF CANTON, ILLINOIS.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **167,071**, dated August 24, 1875; application filed July 22, 1874.

*To all whom it may concern:*

Be it known that I, GIDEON W. COLE, of Canton, county of Fulton and State of Illinois, have invented certain Improvements in Washing-Machines, of which the following is a specification:

The nature of this invention relates to improvements in washing-machines; and the invention consists in the improved method of attaching the machine to a common tub, all as hereinafter fully described.

To enable others skilled in the art to make and use my invention, I will now proceed to describe the same with reference to the accompanying drawing, in which—

Figure 1 is a vertical sectional view of Fig. 2, on the line *x x*. Fig. 2 is a top-plan view, partly broken away, showing my invention. Fig. 3 is a detail view, hereinafter referred to.

Referring to the parts by letters, letter A represents the upper transverse bar; B B, the rectangular brackets; C, the lower large roller; D D, the upper yielding rollers, connected by yokes at each end, from the central parts of which project upward through the transverse bar A the rods *d d*, the upper ends of which rest beneath the free ends of flat springs *a a*; E, a journal, which projects outward from the large roller C through a slot in the tub, and is provided at its outer end with a crank, *e*. G is a block, its upper end provided with a projection, *g*, which passes through a slot, *a''*, in the bar A, and is provided with a nut, *g'*, on its upper end. The lower end of the block G is contracted, as at *g''*, and a slight short groove, *g'''*, may be cut in the upper inner edge of the tub for its reception. The shoulder formed on the bar G by the contraction

*g''* may rest on the upper edge of the tub H. I is a plate, with a groove, *i*, across its central upper part to form a bearing for the journal E, and is secured to the interior side of the tub by screws *s s*, with the groove *i* corresponding in position with a slot, *h*, in the upper edge of the tub H, and transversely opposite to the groove *g'''*. The exterior face of the plate I has a groove, *i'*, in each end. J is a tongue or ledge projecting from the exterior side of one of the brackets B. K is an ordinary tub.

The operations of my invention not already obvious are as follows: The plate I being secured to the tub, as described, the block G may then be adjusted on the bar A to suit the width of the tub. The machine may now be very quickly and readily fixed in position on the tub by inserting the tongue J in the grooves *i'*, and then dropping the other end of the machine until the block G rests in the groove *g'''*, and by a reverse operation the machine may be very quickly and easily removed from the tub, the plate I not only serving to hold the machine in position, but also serving as a bearing for the journal E.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The roller-carrying frame A B B, having block G and tongue J, constructed as described, in combination with the tub K, having groove *g'''*, slot *h*, and grooved plate I, substantially as and for the purpose specified.

GIDEON W. COLE.

Witnesses:

J. J. TUNNICLIFF,  
M. H. BARRINGER.