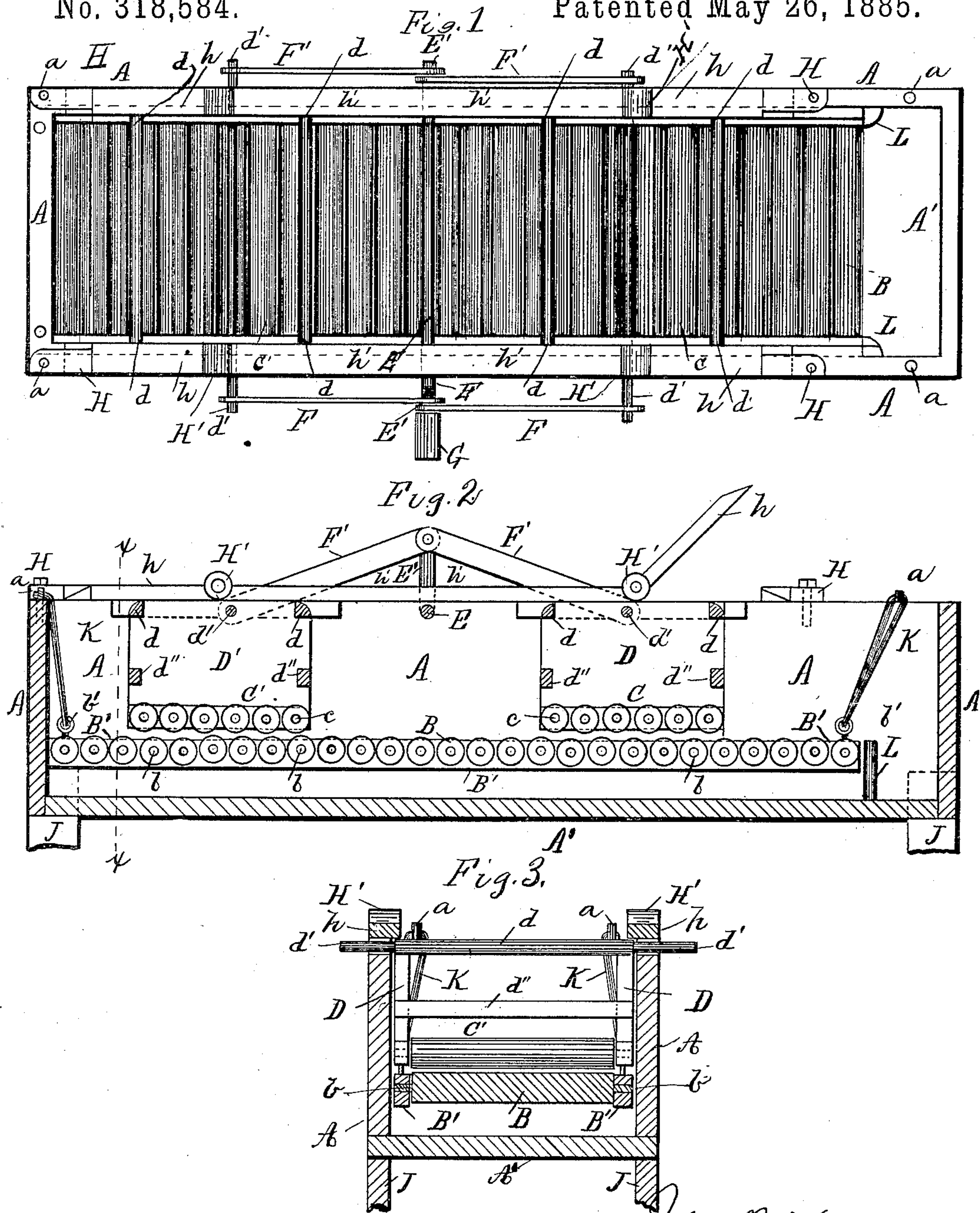


(No Model.)

J. O. WEESE.
WASHING MACHINE.

No. 318,584.

Patented May 26, 1885.



Witnesses.
N. M. Hanks.
D. C. Sanson

John O. Weese,
Inventor.

By W. T. Fitzgerald
His Attorney.

UNITED STATES PATENT OFFICE.

JOHN OLIVER WEESE, OF KNOBEL, ARKANSAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 318,584, dated May 26, 1885.

Application filed March 12, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN OLIVER WEESE, a citizen of the United States, residing at Knobel, in the county of Clay and State of Arkansas, 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 invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this improvement is to produce an efficient washing-machine of simple operation and economical construction. These results are attained by the mechanism illustrated in the drawings herewith filed as part hereof, in which the same letters of reference denote the same parts in all the views.

Figure 1 is a plan in which some of the parts are obscured from view. Fig. 2 is a side elevation partly in section. Fig. 3 is a vertical section taken on the line X X of Fig. 2.

A A' represent the tub.

B B are transverse rollers, provided at each end with journals *b*, having their bearings in longitudinal bars B', which are suspended in the tub by elastic bands K, affixed to the bars B' through eye-screws *b'*, as shown in Fig. 2.

C and C' represent a series of transverse rollers, provided at each end with journals *c*, having their bearings in movable rubber frames D and D' *d d''*, which are suspended in the tub by the shafts *d' d''*, to the ends of which are affixed bars F F', which connect from thence with cranks E' at each end of the shaft E, and thus form toggle-joints on each side of the machine, whereby motion is given to the rubbing-frames D D' *d d''*, carrying the rubber rollers C and C'. The shafts *d'*, by which the frames D D' *d d''* are suspended, have their bearings in slots in the sides of the tub A. To the top of the tub's sides are affixed strips *h h'*, which are connected by hinges H'. These hinged strips project inwardly and hold the movable frames D D' *d d''* in position against

the outward pressure resulting from the operation of washing. The outer ends of the strips *h h'* are beveled to meet corresponding bevels on buttons H, adjustable over the ends of the hinged strips, which are thereby securely held in position, and complete the formation of the slots in the tub for the traverse of the shafts *d' d''*, whereby the rubbing-frames D D' *d d''* are given reciprocating motion through the toggle-bars, operated by means of the crank-handle G on the rectangular extension of the crank E', as shown in Fig. 1.

L L represent cleats affixed to the sides of the tub at the ends of the roller-bars B', and hold them in position endwise. The rubber tension-bands K, by which the lower rubber rollers are suspended, will allow the position of the latter to be adjusted according to the bunched or spread condition of garments being washed by the machine, and as the tension can be regulated at will the most delicate texture can be washed without being injured by the operation of the mechanism.

Having explained the construction and operation of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

In a washing-machine, the combination of the bars B', provided with rollers B, and suspended from the tub-walls by elastic bands K K, the frames D *d d''* D' *d d''*, provided with rollers C C' and supported by means of the shafts *d' d''*, arranged to slide in recesses in the tub-walls, the toggle-bars F F', shaft E, having cranks E', the strips *h h'*, having hinges H', and the buttons H, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN OLIVER WEESE.

Witnesses:

T. F. RAY,
W. W. WEST.