

C. D. HOFFMAN.
Washing-Machine.

No. 227,781.

Patented May 18, 1880.

Fig. 1.

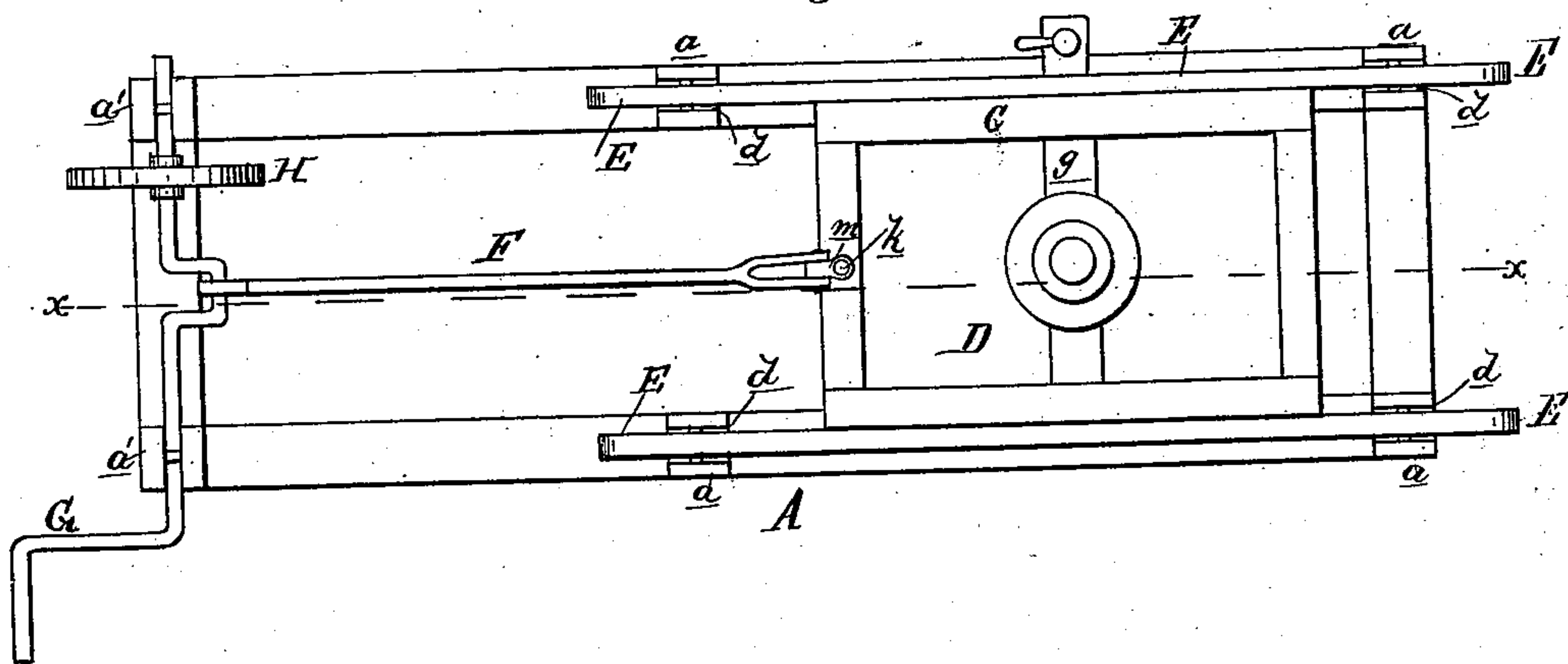
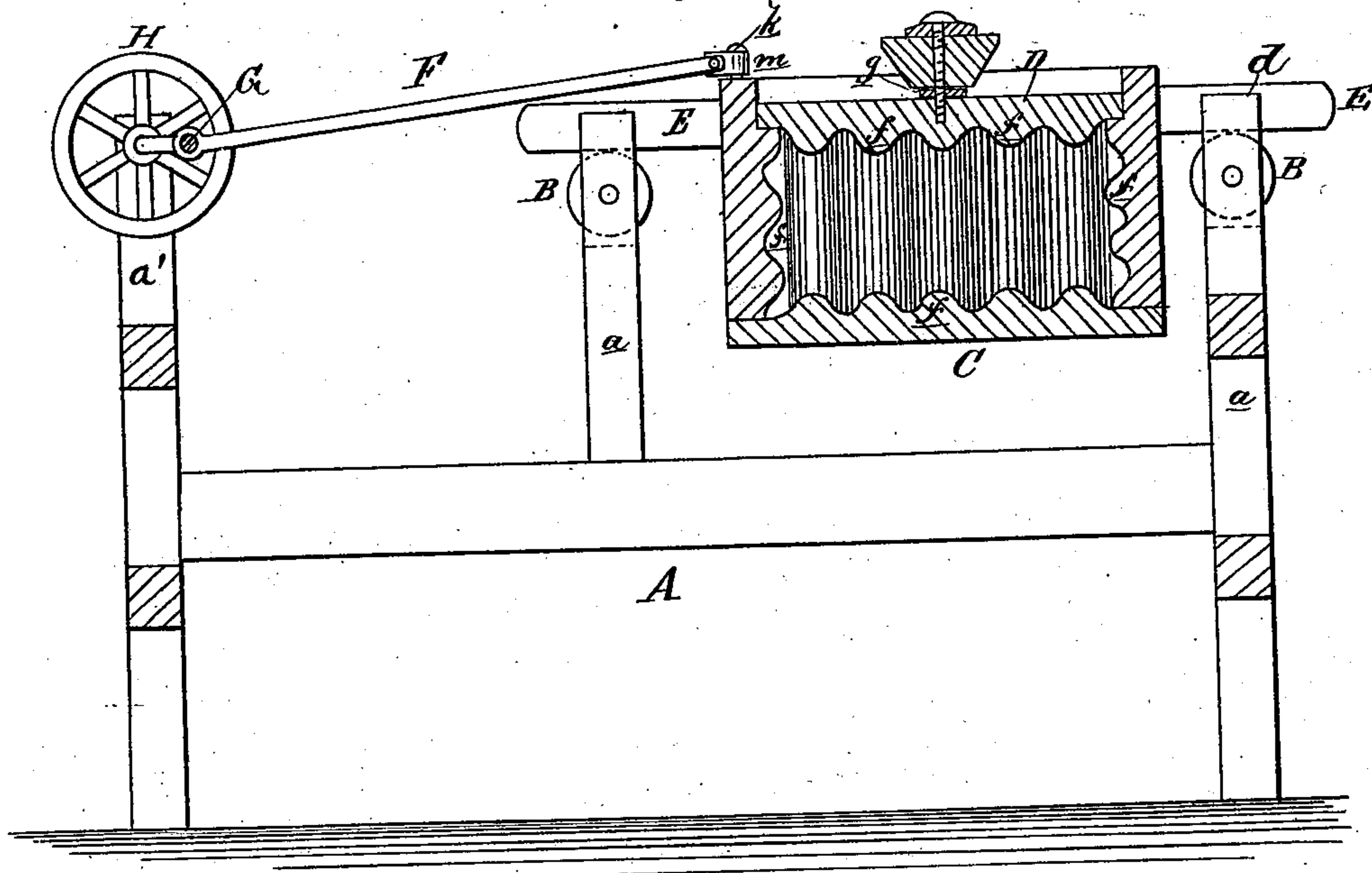


Fig. 2.



WITNESSES:

Henry N. Miller
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INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

CHARLES D. HOFFMAN, OF CAIRO, NEW YORK, ASSIGNOR TO MARY C. HOFFMAN, MARY HOFFMAN, AND MARY E. RENNE, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 227,781, dated May 18, 1880.

Application filed December 19, 1879.

To all whom it may concern:

Be it known that I, CHARLES D. HOFFMAN, of Cairo, in the county of Greene and State of New York, have invented a new and Improved Washing-Machine, of which the following is a specification.

Figure 1 is a plan of the washer. Fig. 2 is a longitudinal sectional elevation of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention is an improvement in the class of washing-machines in which a suds-box is mounted on rollers that run on horizontal rails and is reciprocated by means of a crank and pivoted connecting-rod.

My invention consists in providing a suds-box with side bars, which are extended beyond the ends of the same, and are thus adapted to subserve the double function of supporting rails, that run on fixed rollers, and of handles, by which the suds-box may be lifted on and off the rollers or carried from one point to another.

In the drawings, A indicates a skeleton-frame having three sets of uprights, *a a a'*. The upper ends of the four uprights *a* have open slots *d*, in which rollers B are journaled, and on these rollers the suds-box C D is supported by the means of the combined side rails and handles, E. The said rails are narrow wooden bars attached horizontally to opposite sides of the suds-box, near the top thereof, and are of about double its length, so that they project beyond the ends of the suds-box. The latter is reciprocated by means of the rod F and crank-shaft G. Said rod is connected

to the suds-box detachably by means of a stud, *k*, and loop *m*, and the shaft is mounted in uprights *a'* and provided with a balance-wheel, H, as shown.

The movement of the suds-box is effected with minimum friction, the rails E resting on and passing to and fro on the rotating rollers B. The open slots in the upper ends of the uprights *a* allow the suds-box C to be placed on or lifted off the rollers without hinderance, and for this purpose the projecting ends of the rails E E serve as handles, which are seized and held, one in each hand, by two persons. The same means—to wit, rails E—constitute the handles by which the suds-box is carried to and from the water-heater or elsewhere, as required. The interior of the suds box has corrugations *f*, and the cover D is secured by means of a turn-button, *g*.

Having thus described my invention, what I claim as new is—

In a washing-machine of the class hereinbefore described, the combination, with the crank-rod adapted for detachment, as specified, and the uprights *a*, having open slots, and the rollers B, journaled therein, of the suds-box C D, having the side bars, E E, which are attached to the sides and project beyond the ends thereof, to adapt them to serve as traveling and supporting rails, and also as handles for use in lifting and transporting the suds-box, as shown and described.

CHARLES DOUGLES HOFFMAN.

Witnesses:

FRANK RENNE,
ISAAC HOFFMAN.