

(No Model.)

J. B. FAUCETTE.

WASHING MACHINE.

No. 271,230.

Patented Jan. 30, 1883.

Fig. 1.

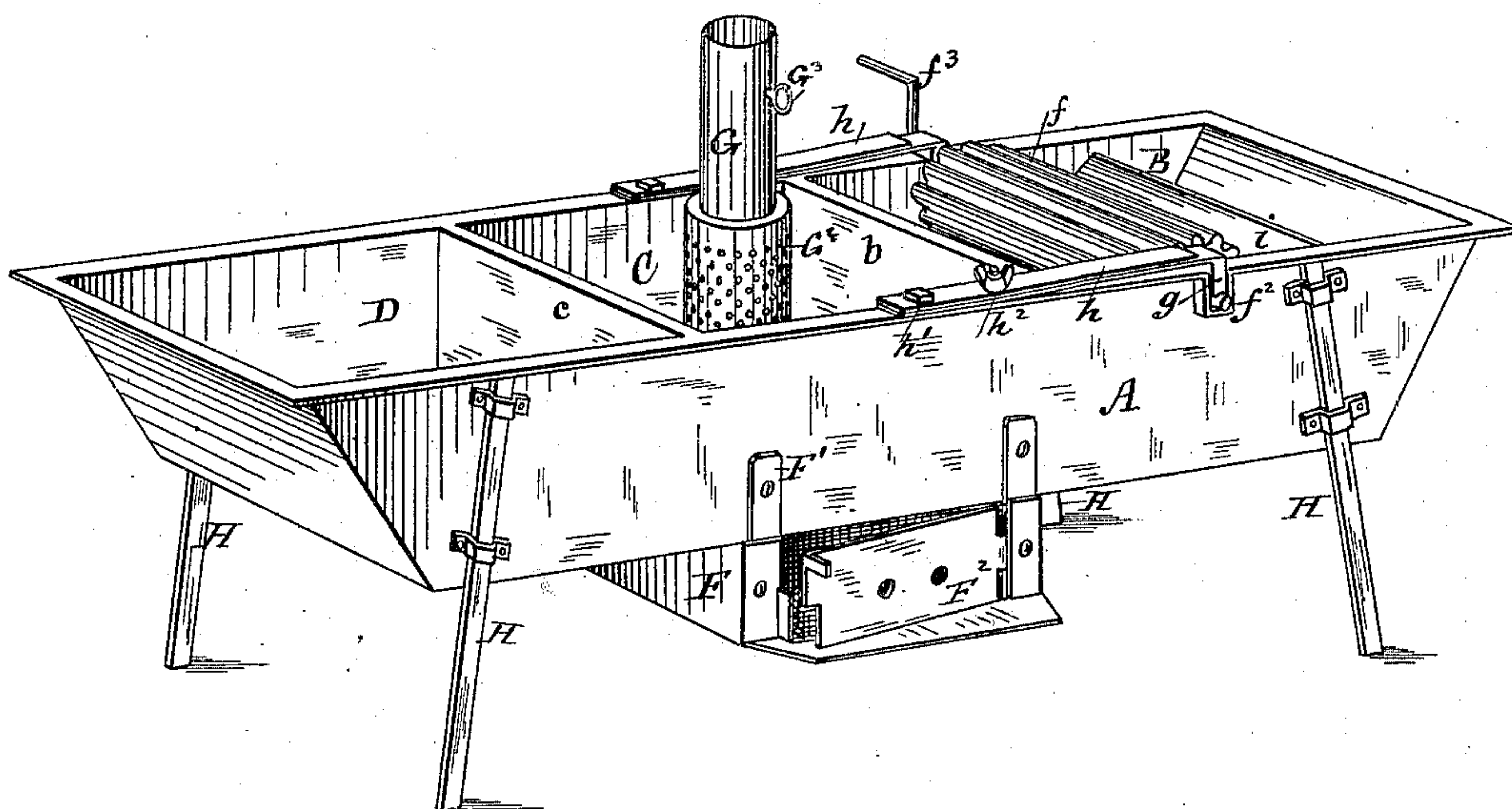
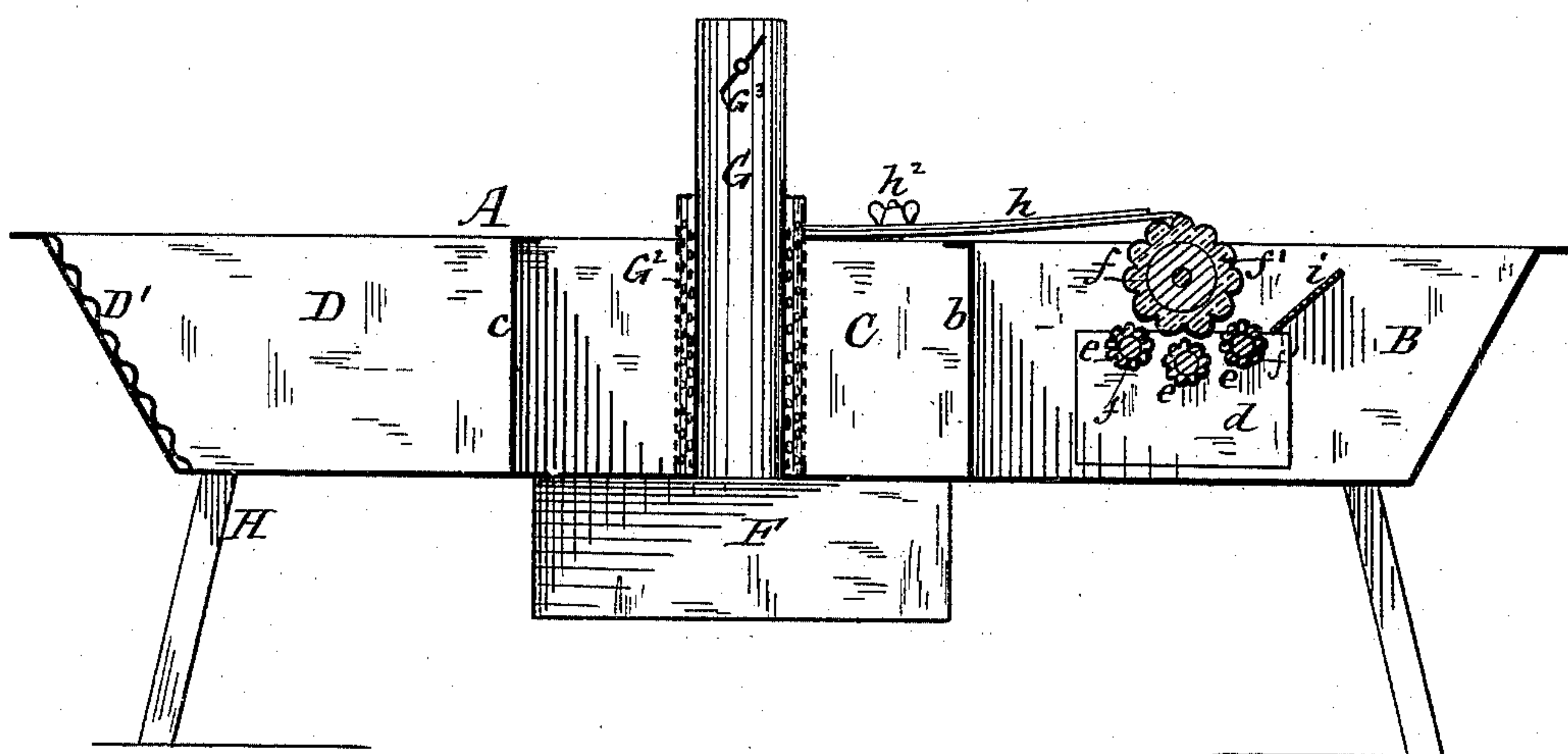


Fig. 2.



Witnesses :

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UNITED STATES PATENT OFFICE.

JAMES B. FAUCETTE, OF SEARCY, ARKANSAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 271,230, dated January 30, 1883.

Application filed February 9, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. FAUCETTE, of Searcy, in the county of White and State of Arkansas, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

My invention relates to improvements in washing-machines provided with a water-heating and fire chambers; and the objects of my improvements are to provide at little expense in one machine a compartment for heating water, a compartment provided with rollers to rub clothes mechanically, and a compartment provided with a stationary wash-board and suitable for rinsing clothes.

Heretofore ordinary washing-machines have been made with a series of rollers for a bed to receive the clothes to be operated upon, and a fluted roller used above them. Other washing-machines have been provided with a water-heating tank and a fire-chamber placed underneath, with its smoke-pipe extending up on the side of said tank; but I do not regard these machines as fulfilling all the requirements of a complete machine—an apparatus in which water is heated, clothes rubbed mechanically, and rubbed by hand or rinsed at the same time, the union of these compartments simplifying the number of parts and the construction of each, as will be hereinafter described in connection with the drawings, in which—

Figure 1 represents a perspective view of the machine. Fig. 2 represents a longitudinal vertical section of the same.

The apparatus is in the form of a long tank, A, about fifteen inches wide and twelve inches deep, more or less, with sloping ends. This tank is divided into three compartments, B C D, by two vertical partitions, *b c*. The compartment B is generally made the longest, or about twenty inches, while each of the others is about sixteen inches long; but these dimensions can be changed to meet the demand. The tank A is preferably made of cast-iron and galvanized. The inner sides of the compartment B are provided with bearing-plates or projections *d*, to receive the journals of three small fluted rollers, *e*, arranged to correspond with the periphery of the upper cylinder, *f*.

This cylinder, as well as the rollers *e*, is covered with fluted rubber, *f'*, to operate with entire success upon the clothes that may be worked and passed between them. The journals *f*² of said cylinder pass through the sides of the compartment B, and a crank, *f*³, is secured to either end of the central shaft. To give the required pressure to the rubbing parts and retain the cylinder *f* in position, the caps *g*, resting upon its journals, are secured to the end of flat springs *h*, attached to the upper edge or flanged rim of the tank at *h'*, and thumb-nuts *h*², resting upon said springs, control their action. The compartment B is provided with a transverse guide, *i*, inclined at an angle of about forty-five degrees, to direct the clothes to be operated upon between the rubbing-cylinders, and also allow them to be removed from under said guide. Under the middle compartment is placed the fire-chamber F. It is preferably suspended by means of metallic straps *F'*, secured to the sides of the tank, and is provided with a door, *F*², to regulate the action of the fire that may be made within said chamber, the products of combustion escaping by the smoke-pipe G passing through the water in the compartment C. Nearly the whole caloric produced is absorbed by the water, and the clothes placed therein are promptly boiled; and to protect them from contact with the smoke-pipe the latter is inclosed in a perforated shield, *G*², the draft being regulated by the damper *G*³. The compartment D is intended mainly to contain water for rinsing the clothes, and also to review them before leaving the machine. If any portion of the clothes is found not thoroughly cleansed, it is rubbed by hand upon the suitably corrugated and inclined end *D'* of said compartment.

Any ordinary wringer can be secured to the side of the tank, preferably upon one edge of the compartment D, and the clothes discharged in a basket, ready to be dried.

This apparatus is supported at a suitable height upon four legs, H, secured to the sides thereof. It can be easily transported, and can be set either in the open air, under a tree, under a shed, or in a room having a chimney, according to the climate or desire of the person using it, and fulfill all the conditions of a complete

washing-machine. The whole tank can be made of wood, with the exception of the bottom, or at least the central portion thereof above the fire-chamber, which should be made
5 of galvanized metal.

Having now fully described my invention, I claim—

In a washing apparatus, the combination of the frame A, having three water-holding com-
10 partments, B C D, arranged on a straight line,

the end compartment, B, having rubbing devices, as shown and described, the central compartment provided with a furnace and pipe, G, and the compartment D having the inclined and corrugated end D', substantially as and
15 for the purposes set forth.

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Witnesses:

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