

(Model.)

J. S. HEADEN.
WASHING MACHINE.

No. 338,840.

Patented Mar. 30, 1886.

Fig. 1.

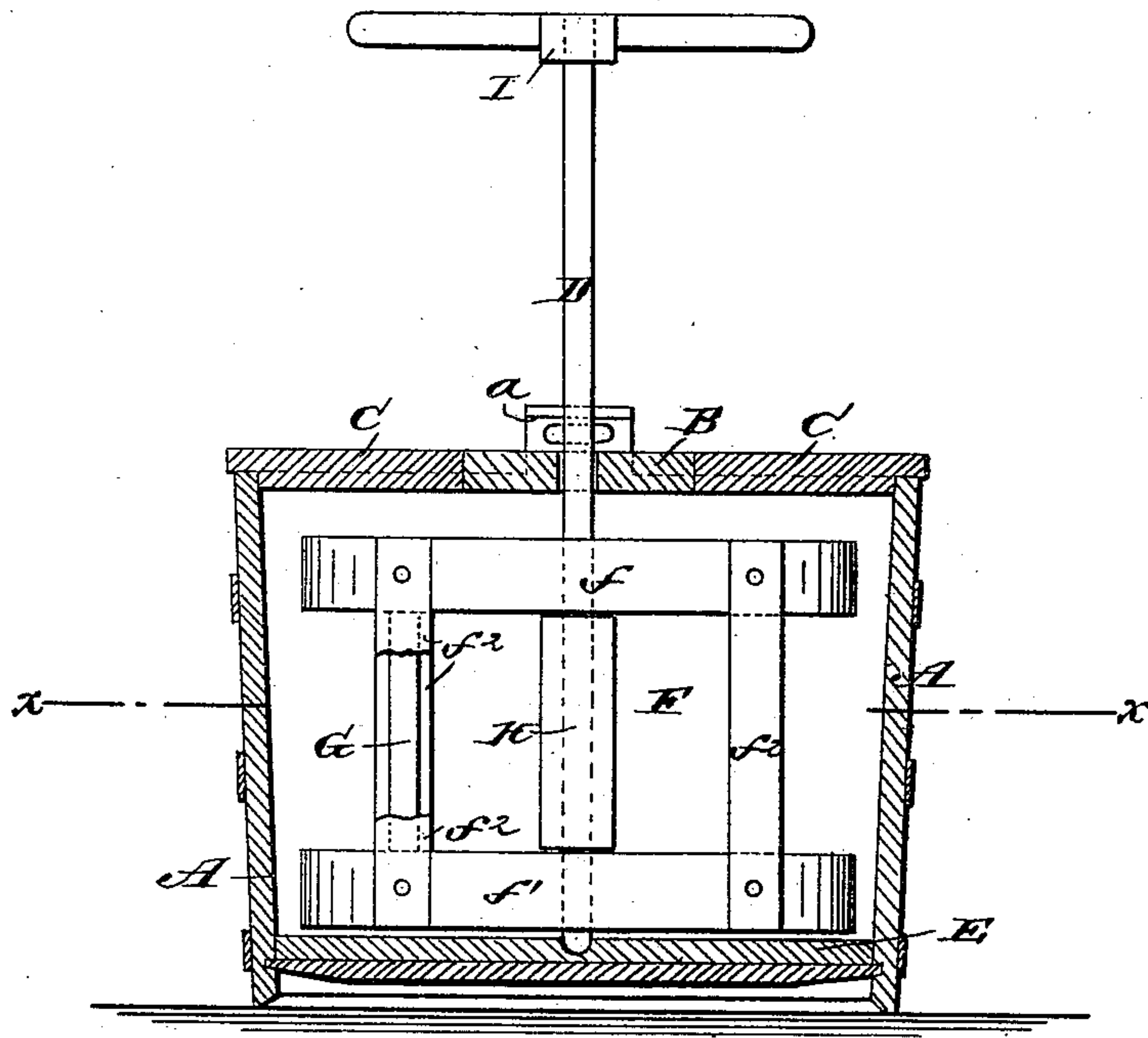


Fig. 2.

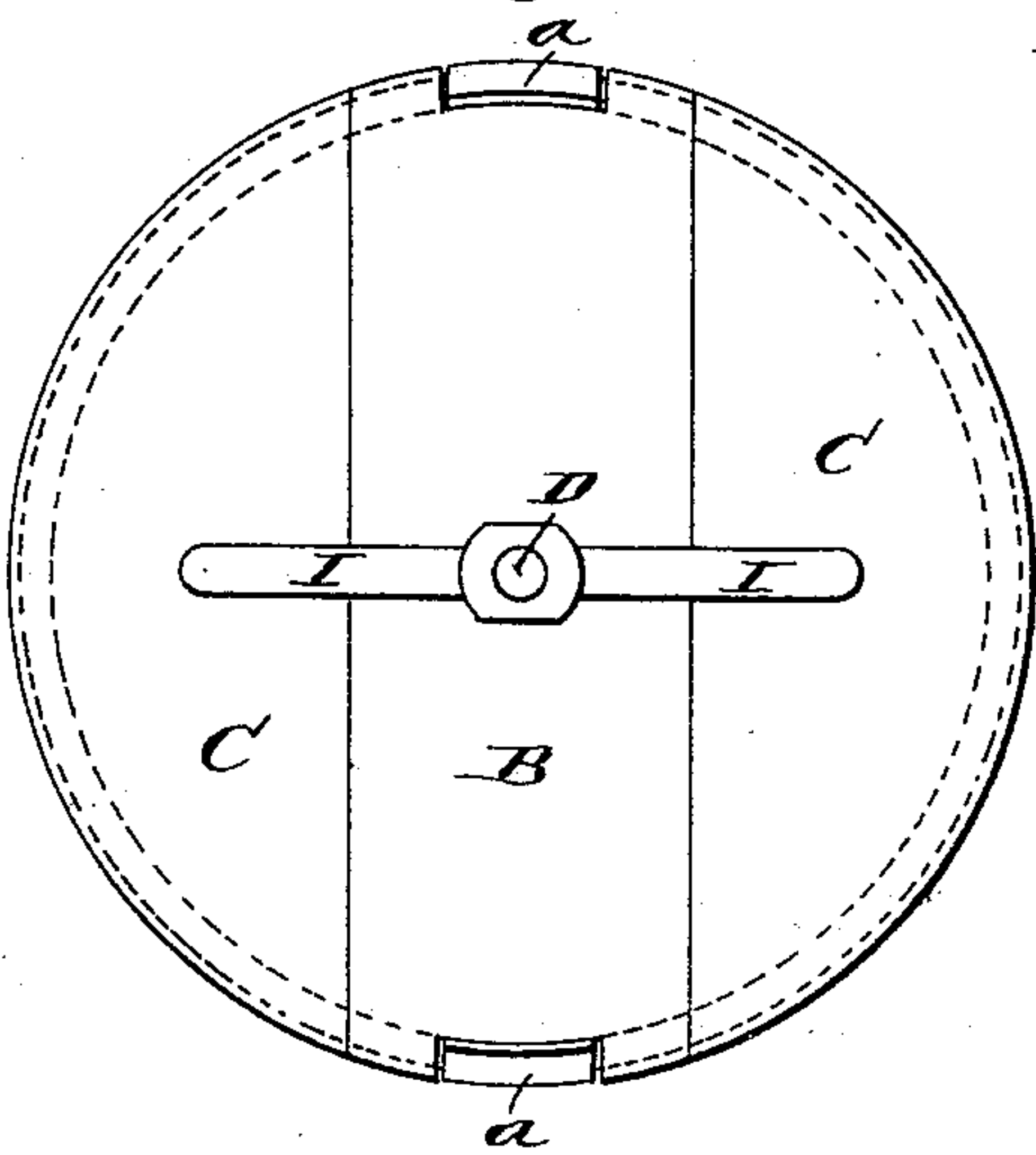
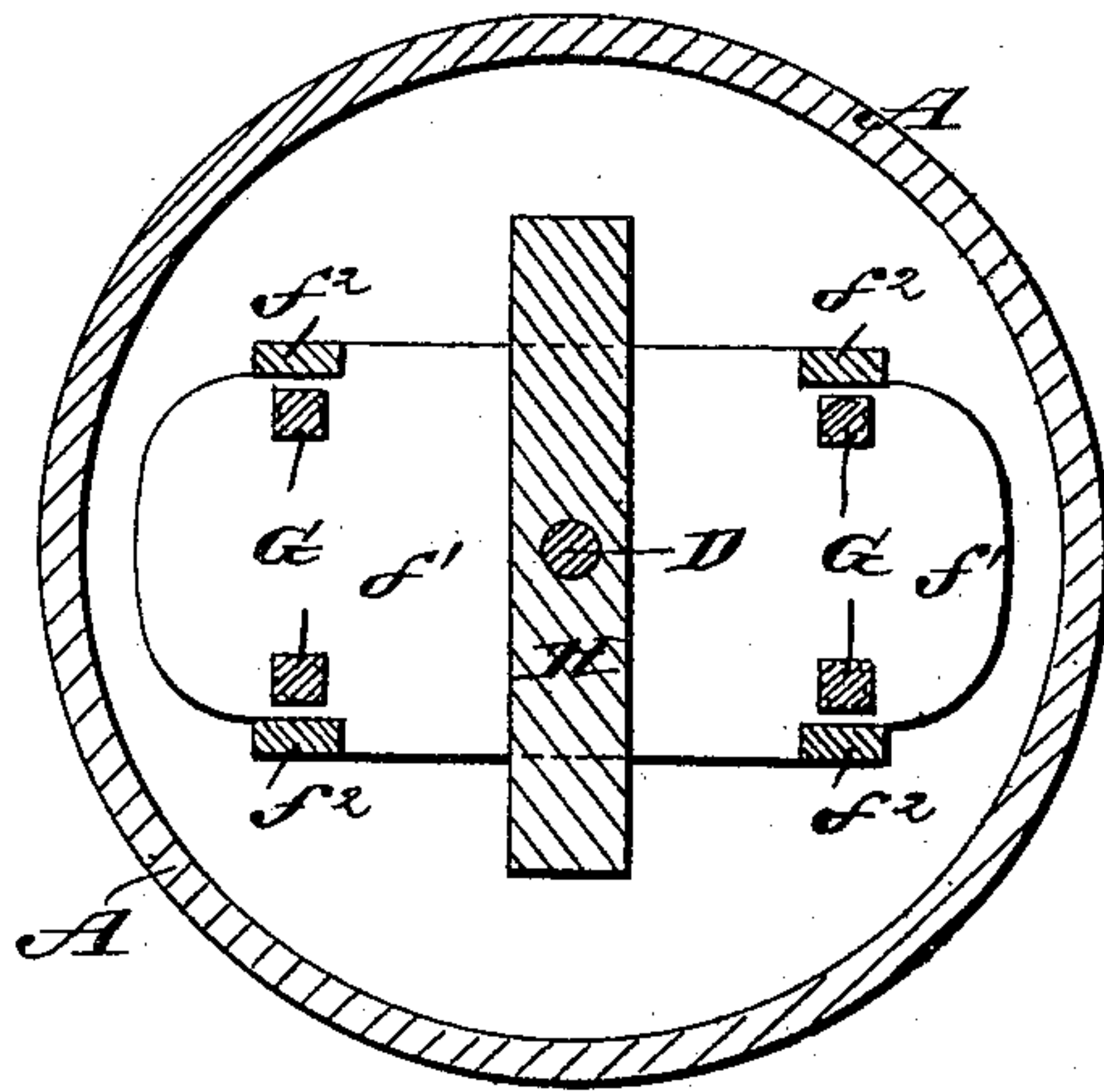


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN SAMUEL HEADEN, OF PLEASANT HILL, MISSOURI.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 338,840, dated March 30, 1886.

Application filed July 3, 1885. Serial No. 170,639. (Model.)

To all whom it may concern:

Be it known that I, JOHN SAMUEL HEADEN, of Pleasant Hill, in the county of Cass and State of Missouri, have invented a new and Improved Washing-Machine, of which the following is a full, clear, and exact description.

The special object of my invention is to promote the quick and thorough cleansing of clothes by providing a simple, efficient, inexpensive, and durable machine for accomplishing the work.

The invention consists in a washing-machine comprising a covered tub or vessel to hold the washing-fluid, and a rotatable clothes-holding rack arranged in the tub, and comprising a shaft journaled in the tub and provided with a handle, and also with upper and lower boards or plates tied to each other by vertical bars and having rack-bars, and also having a central cross board or plate, whereby the clothes will be forced through the washing-fluid by the rotation of the rack and will be quickly cleansed without injuring them, all as herein-after fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a vertical sectional elevation of my improved washing-machine, parts being broken away. Fig. 2 is a plan view thereof, and Fig. 3 is a plan view in section on the line *x x*, Fig. 1.

The letter A indicates a tub or vessel of suitable size and preferably round in form, and B is a center bar or plate which is notched at the ends to fit over the handles *a a* of the tub, and C C are side pieces which fit at each side of the bar or plate B, and with it form the cover to the tub A.

In the bar B is journaled a shaft, D, which also is stepped in the bottom of the tub, or it may be in the false bottom E placed therein, and the shaft D carries fixedly a clothes-holding frame or rack, F, which consists of upper and lower boards or plates, *f f'*, connected to each other by vertical brace or tie bars *f²*, and provided with rack-bars G, which are fixed in or to the plates *f f'* near the bars *f²*, and across the frame F is fixed to the shaft D the board or plate H, the clothes-holding frame revolving inside the tub A when the handle I at the

top of the shaft D is turned one way or the other.

The operation is as follows: The clothes to be washed are placed in the frame F between the center board, H, and the rack-bars G at each end of said frame, and when the cover is adjusted on the tub to prevent splashing of the washing-fluid from the tub the handle I will be turned reverse ways, preferably half-way round and back to force the clothes through the fluid as the rack-frame F G and board H are turned, said board H serving, while holding the clothes, to regulate and control the fluid-currents in the tub, and the clothes in the rack-frame will very quickly and thoroughly be cleansed without rubbing, pounding, squeezing, or steaming them; hence the clothes will not be so liable to injury as when washed by machines acting on either of the last above-named principles.

It is obvious that the washing-machine herein shown and described is efficient, durable, and well calculated to wash the clothes thoroughly and with economy of time and labor.

Machines constructed substantially as above described and shown in the drawings, and made of suitable size, may be used with good effect as churns, and will produce a thorough agitation of the cream to bring the butter quickly.

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

1. A washing-machine constructed with a tub or vessel, a cover therefor, and a rotatable clothes-holding rack comprising a shaft, D, journaled in the tub and provided with a handle, a frame, F, made with upper and lower boards or plates, *f f'*, tie-bars *f²*, rack-bars G, and a cross-board, H, all constructed and combined for operation substantially as herein set forth.

2. The rotatable clothes-holding frame or head F, comprising a shaft, D, provided with a handle, boards or plates *f f'*, tie-bars *f²*, rack-bars G, and a cross-board, H, substantially as shown and described.

JOHN SAMUEL HEADEN.

Witnesses:

W. E. CARTER,

W. A. MCARTHUR.