

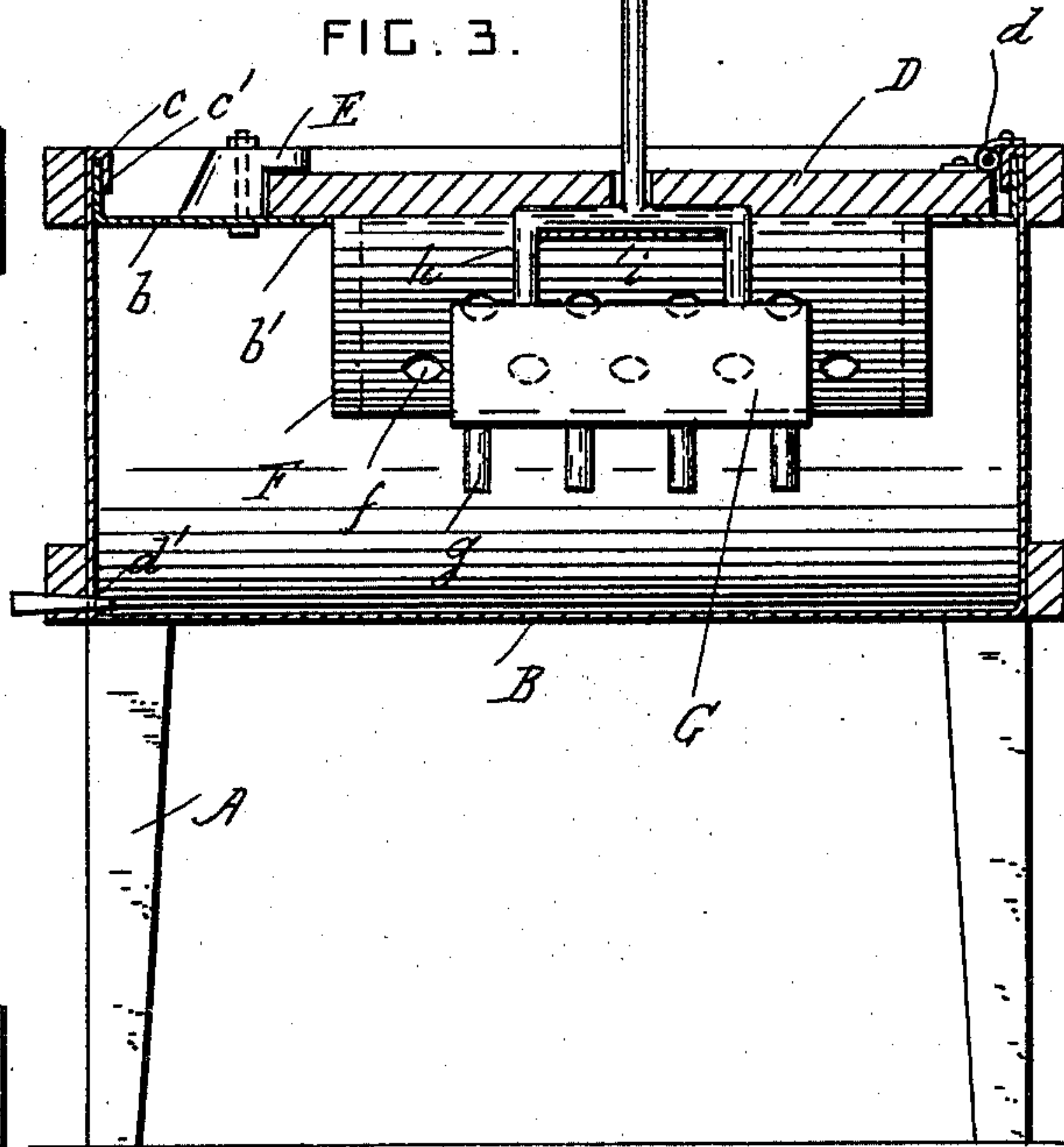
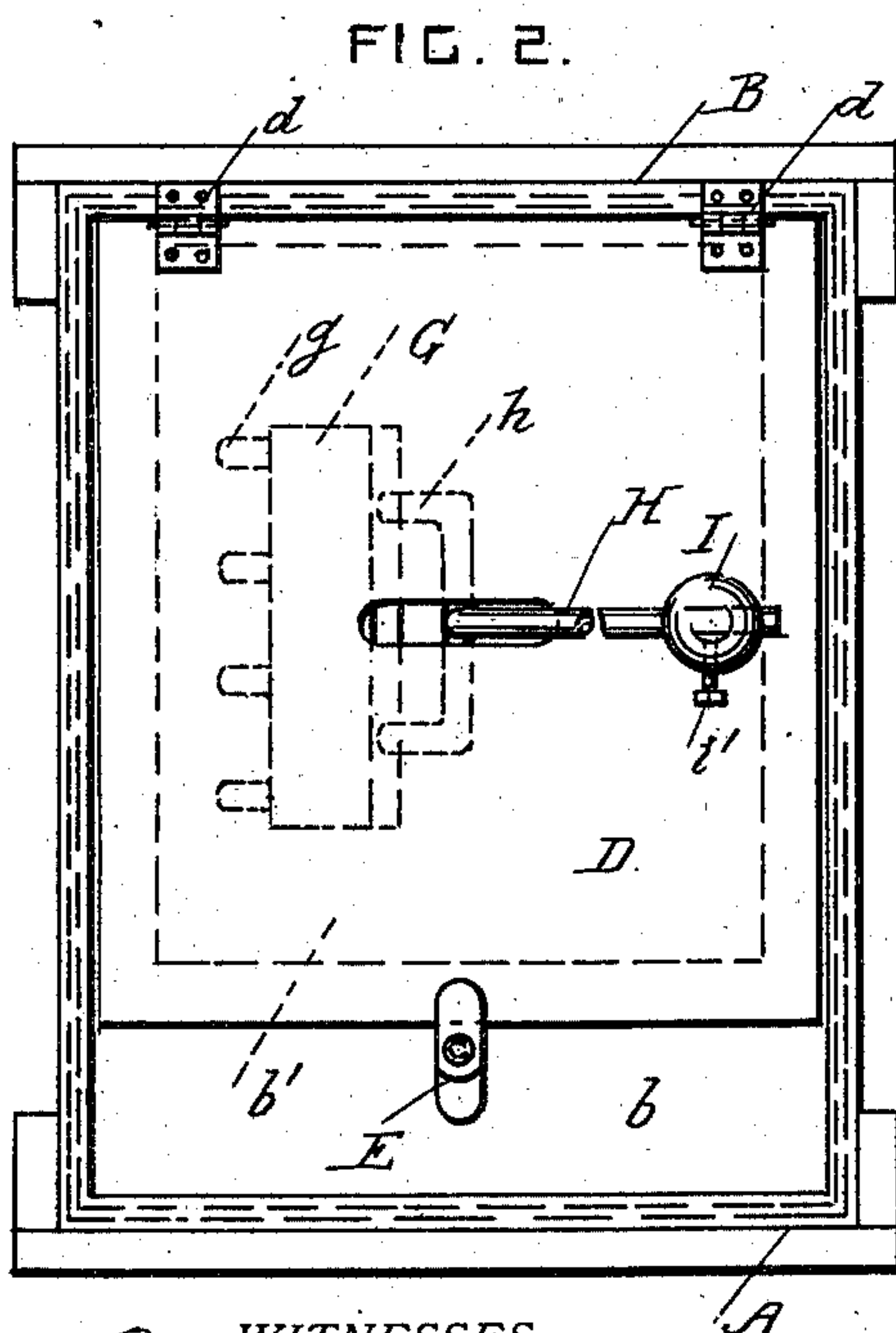
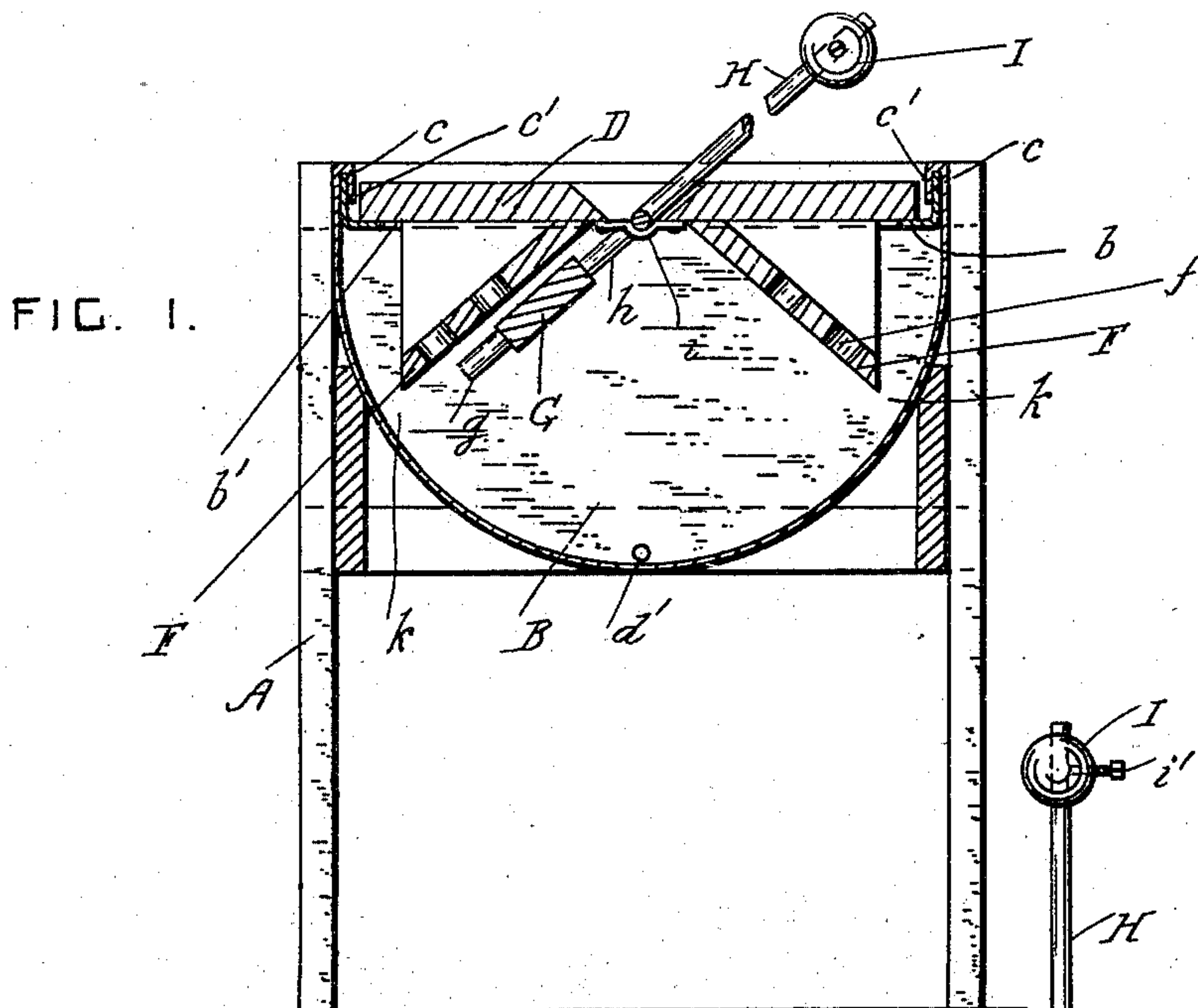
No. 691,894.

Patented Jan. 28, 1902.

C. A. COFFIN.  
WASHING MACHINE.

(Application filed June 18, 1901.)

(No Model.)



WITNESSES  
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# UNITED STATES PATENT OFFICE.

CHARLES A. COFFIN, OF ALLEN, NEBRASKA.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 691,894, dated January 28, 1902.

Application filed June 18, 1901. Serial No. 64,969. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. COFFIN, a citizen of the United States, residing at Allen, in the county of Dixon and State of Nebraska, 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.

This invention relates to washing-machines; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a cross-section through the machine. Fig. 2 is a plan view of the machine. Fig. 3 is longitudinal section through the machine.

A is a frame, and B is a washtub supported in the frame.

The tub B consists of one-half of a cylinder, and it is provided with a top *b*, having a large opening *b'* in it. The top *b* is arranged below the top edge of the tub, and it is provided with upwardly-projecting flanges *c*. The tub has downwardly-projecting flanges *c'* at its top edge, which inclose the flanges *c*, being turned over them, and the top *b* forms a tray at the top of the tub, which prevents the water and suds from being splashed over. The flanges *c* and *c'* also add greatly to the strength of the upper part of the tub and enable the clothes to be pressed against it without distorting it.

D is a lid for the tub, which is provided with hinges *d* at one end for connecting it to the tub.

E is a turn-button or other equivalent fastening device supported by the top and preventing the lid from rising. The lid rests in the tray and closes the opening *b'*.

An opening *d'* is provided at the lower part of the tub for letting the water flow out from the tub when desired.

F represents inclined presser-boards provided with holes *f* and arranged at an angle to each other. These presser-boards are se-

cured to the under side of the lid and depend from it through the opening *b'*. Open spaces or passages for water are formed above the presser-boards and at *k* between their lower edges and the sides of the tub.

G is an agitator consisting of a flat blade or plate having projecting arms *g* at its lower edge.

H is the handle of the agitator, provided with a forked lower end portion *h*, which is secured to the blade of the agitator. The forked portion of the agitator-handle rests on a bearing-plate *i*, secured to the under side of the lid between the two presser-boards, and the handle works in a slot or hole in the lid.

I is a weight on the upper part of the handle. This weight is adjusted by sliding it on the handle and securing it by a screw *i'* or other approved fastening.

The clothes are placed in the tub with water and soap and are washed by rocking the handle from side to side. The agitator keeps the clothes in motion and presses them against the presser-boards, so that the dirt is pressed out of them. The weight effects the pressure by its momentum and the agitator rebounds at each stroke, so that very little power is required to keep it in motion. The water thrown up by the agitator is caught in the tray and flows back into the tub by gravity.

What I claim is—

In a washing-machine, the combination, with a stationary tub provided with a lid, and inclined presser-boards secured to the lid and provided with holes, open water-passages being formed between the said presser-boards and the tub; of an agitator pivoted to the said lid between the said presser-boards and provided with a handle for rocking it back and forth, substantially as set forth.

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

CHARLES A. COFFIN.

Witnesses:

W. F. FILLEY,  
S. SABERSON.