T. J. BURGESS.

WASHING MACHINE.

APPLICATION FILED OCT. 24, 1908.

951,233. Patented Mar. 8, 1910.

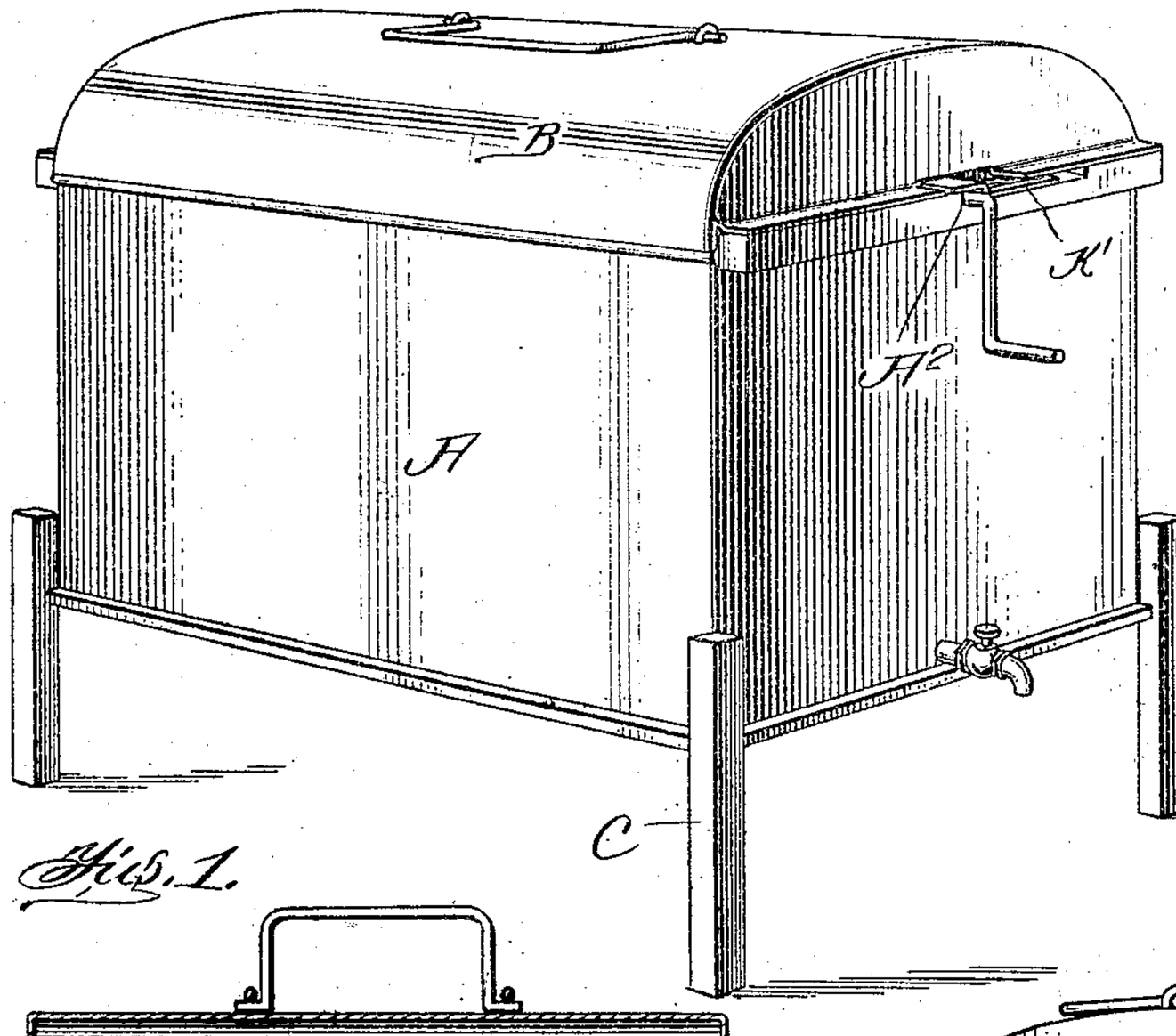

Fig. 1.

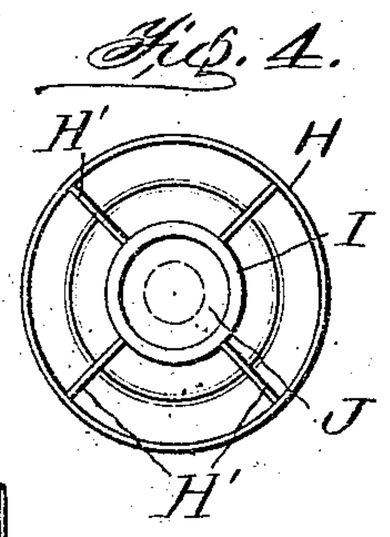

Fig. 4.

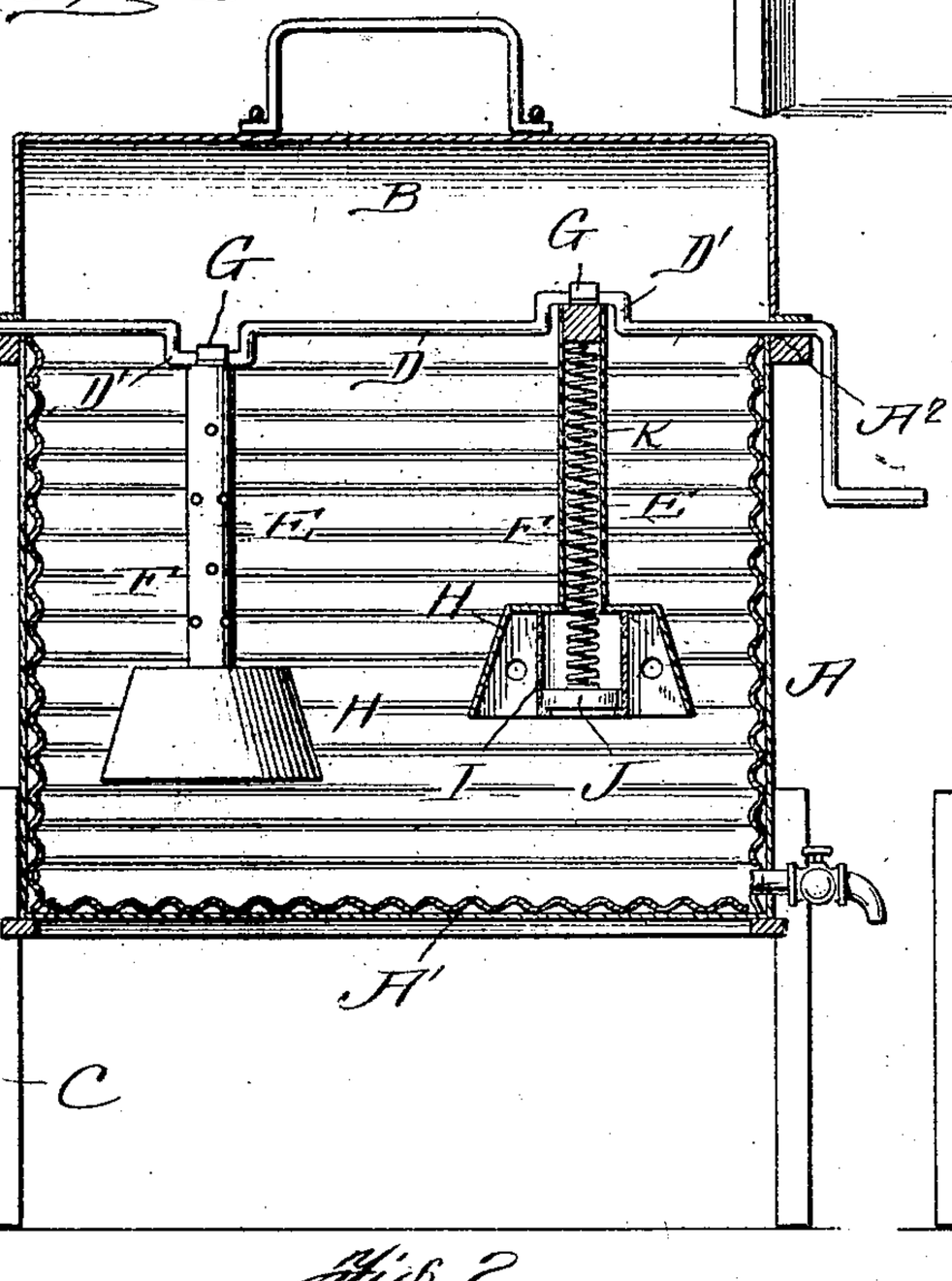

Fig. 2.

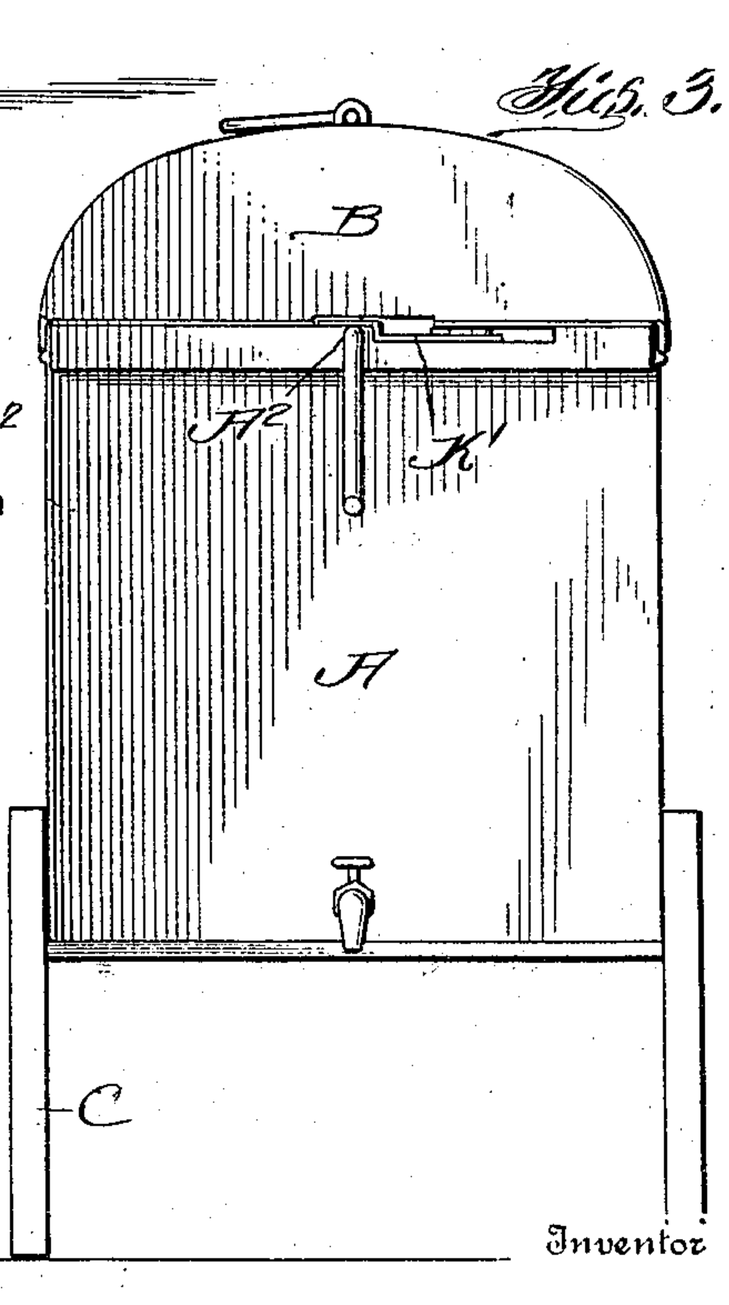

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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WASHING-MACHINE.

951,233. Specification of Letters Patent. **Patented Mar. 8, 1910.**

Application filed October 24, 1908. Serial No. 459,365.

To all whom it may concern:

Be it known that I, THOMAS J. BURGESS, a citizen of the United States, residing in Kansas City, in the county of Wyandotte and State of Kansas, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification.

The object of my invention is to provide a novel pounder which comprises a central tube surrounded by a cup provided with partitions, said tube having a valve arranged therein for the purpose of drawing air into the cup and for creating a partial vacuum, so that the clothes will be thoroughly cleaned as the pounder is operated.

With these objects in view my invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claim.

In the drawing forming a part of this specification:—Figure 1 is a perspective view of my machine. Fig. 2 is a vertical section of the same showing one of the pounders in section. Fig. 3 is an end view. Fig. 4 is an inverted plan view of one of the pounders.

In carrying out my improved invention, I employ a rectangular shaped vessel A formed of any suitable metal, having corrugated rubbing plates secured on its sides and ends within the same, and a removable bottom A′ which can be readily removed. An opening is formed in one end of the vessel for allowing the water to drain off when desired, and is preferably closed by a plug. The upper end of the vessel is formed with a flange, on which is adapted to rest the top B. The vessel is supported by a cradle C, so that the body will be held up off the floor, whereby it can be readily operated, as will be hereinafter fully described. Notches A^2 are formed in the ends of the vessel, in which are mounted a crank-shaft D provided with oppositely disposed laterally projecting crank-portions D′ carrying plungers E adapted to operate upon the clothes placed within the vessel. Each plunger comprises a perforated tube F having a plug secured in its upper end carrying a connecting member G for connecting it to the crank-portion, and at its lower end a cup H which is provided with a central tube portion I of a larger diameter, which is provided with an annular inwardly projecting flange at its lower end, forming a valve-seat on which is adapted to be seated a valve J which is normally held on the seat by a coil-spring K, the upper end of which is secured to the plug.

The cup is divided into compartments by partitions H′ having apertures formed therein and the tube I is provided with openings above its longitudinal center, so as to allow the air drawn in through the tube F to pass out through the same, so that when on the down stroke of the pounder air will be forced through the clothes and on the upstroke of the same a partial vacuum will be created so as to suck the dirt out of the clothes. It will be seen by this arrangement the clothes will be acted upon at all times, as when one pounder is going up, the other is coming down.

For securing the shaft within the notches I provide sliding members K′ adapted to slide over the notches and hold the shaft in position, and it will be seen by this arrangement the shaft with the pounders can be readily removed, in order to place clothes within the vessel, or remove the same. A wooden strip is also secured to the vessel forming a supporting member for the wringer, when it is desired to attach one thereto.

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

A pounder comprising a perforated tube, a cup formed at the lower end of said tube, said cup being provided with a central tube having openings formed therein and provided with a valve seat, said cup being divided into compartments by partitions, a valve arranged within said central tube and a spring for holding said valve seated.

THOMAS J. BURGESS.

Witnesses:
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