

(Model.)

A. J. McKEE.
WASHING MACHINE.

No. 442,726.

Patented Dec. 16, 1890.

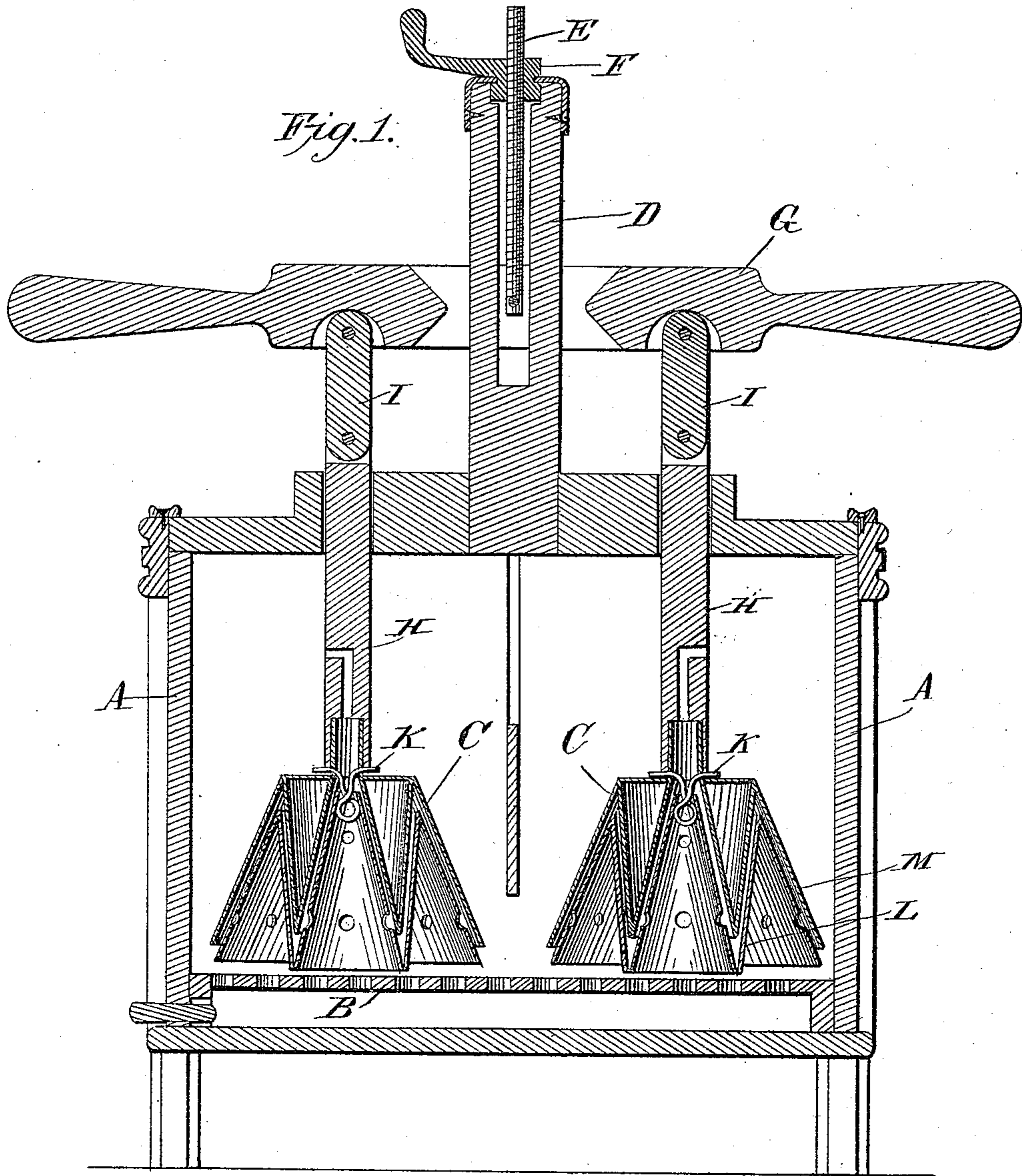
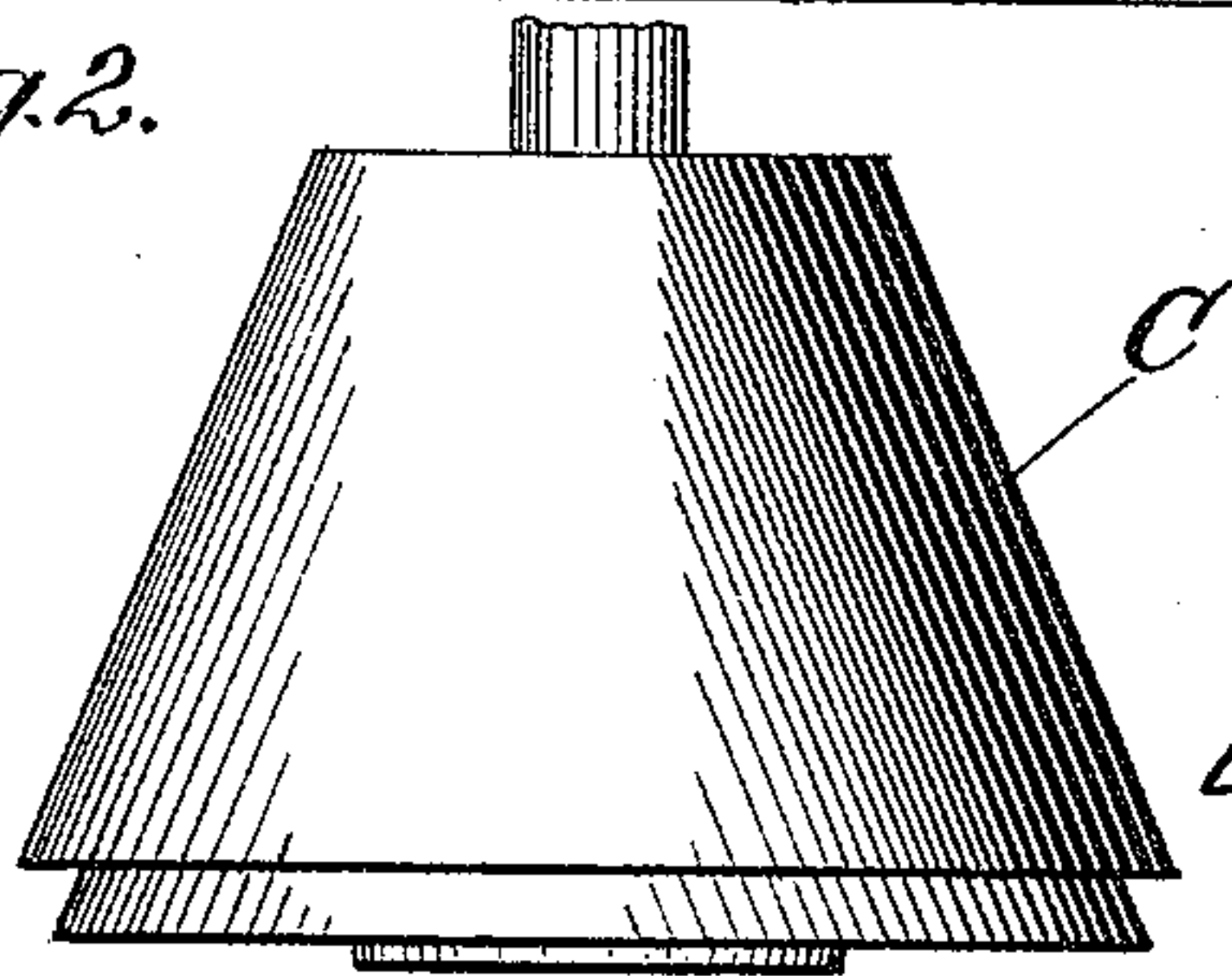


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALFRED J. MCKEE, OF WESTMORELAND, KANSAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 442,726, dated December 16, 1890.

Application filed April 24, 1890. Serial No. 349,401. (Model.)

To all whom it may concern:

Be it known that I, ALFRED J. MCKEE, a citizen of the United States, residing at Westmoreland, in the county of Pottawatomie, and in the State of Kansas, have invented a new and useful Compressed Air and Water Washing-Machine, of which the following is a specification.

A is a box twenty-one inches long, ten and a half inches wide, and seventeen inches deep. The length, width, and depth may be proportionately changed to make different sizes of machines.

B is a perforated false bottom.

C is a series of pounders, made of tin or other suitable material.

Figure 1 is a vertical section of the entire machine. Fig. 2 is a vertical section giving a view of the pounder when the exterior and interior series are pressed together, also showing base of the inside cones of the pounder.

The perforated false bottom B may be placed from one-half to one inch from the bottom of box A to permit a free passage of air and water through the clothes into the space below said false bottom, and from thence up into the clothes in the opposite end of box A, thus preparing the clothes for another action of air and water through them.

The lid of box A supports a slotted standard D, twelve inches high, two inches wide, and one-half inch thick. A screw E is supported within the slot of standard D, and is capable of being adjusted by means of nut F. A double lever G, by means of mortise through its center, is passed over standard D and is attached at its center to screw E. The links I I connect the lever G with the stems H H of the pounders C C, said stems passing through holes in the lid. (See Fig. 1.)

C C are pounder-heads, consisting of two hollow concentric cones rigidly connected together by an inverted hollow cone, said series of cones being rigidly attached to the poulder-stems H H and to a horizontal plate (or poulder-top) also attached to the poulder-stem, and loosely connected to and fitting within said series of cones is a similarly-con-

structed series, the sides of said latter series of cones being perforated. The pounders with their series of cones, when set in motion by means of double lever G, are capable of fitting close into each other when pressed upon the clothes, (see Fig. 2,) thereby compressing the air inside of the cones and forcing it through the inside perforated cones upon the water over the clothes, compelling the water to pass through them, and by a reciprocating movement the alternate action of compressed air and water is kept up until the cleansing is complete.

Loops K K permit the inside series of cones to drop down two inches when ascending to admit air, and also prevent them from dropping out of the outside series of cones.

I am aware that pounders, false bottoms, poulder-stems with valve in end, levers, and coupling-links are old. I therefore do not claim them as my invention only so far as the novelty of the combination; but

What I claim as new is—

1. Pounder-heads consisting of two hollow concentric cones rigidly connected together by an inverted hollow cone, said series of cones being rigidly attached to the poulder-stems and to a horizontal plate also attached to the poulder-stems and loosely connected to and fitting within said series of cones, and a similarly-constructed series of cones, the sides of said latter series of cones being perforated, substantially as shown and described.

2. In a washing-machine, the lid thereof supporting the slotted standard D, a screw E, supported within the slot and capable of being adjusted by means of the nut F, a double lever G, attached at its center to said screw, links I I, connecting the lever with the stems H H of the pounders C C, said stems passing through holes in the lid, all substantially as shown and described.

ALFRED J. MCKEE.

Attest:

WARREN ANTHONY,
JAMES W. HALL,
GEORGE R. SMITH.