

(No Model.)

J. TURNER.
WASHING MACHINE.

No. 495,854.

Patented Apr. 18, 1893.

Fig. 1.

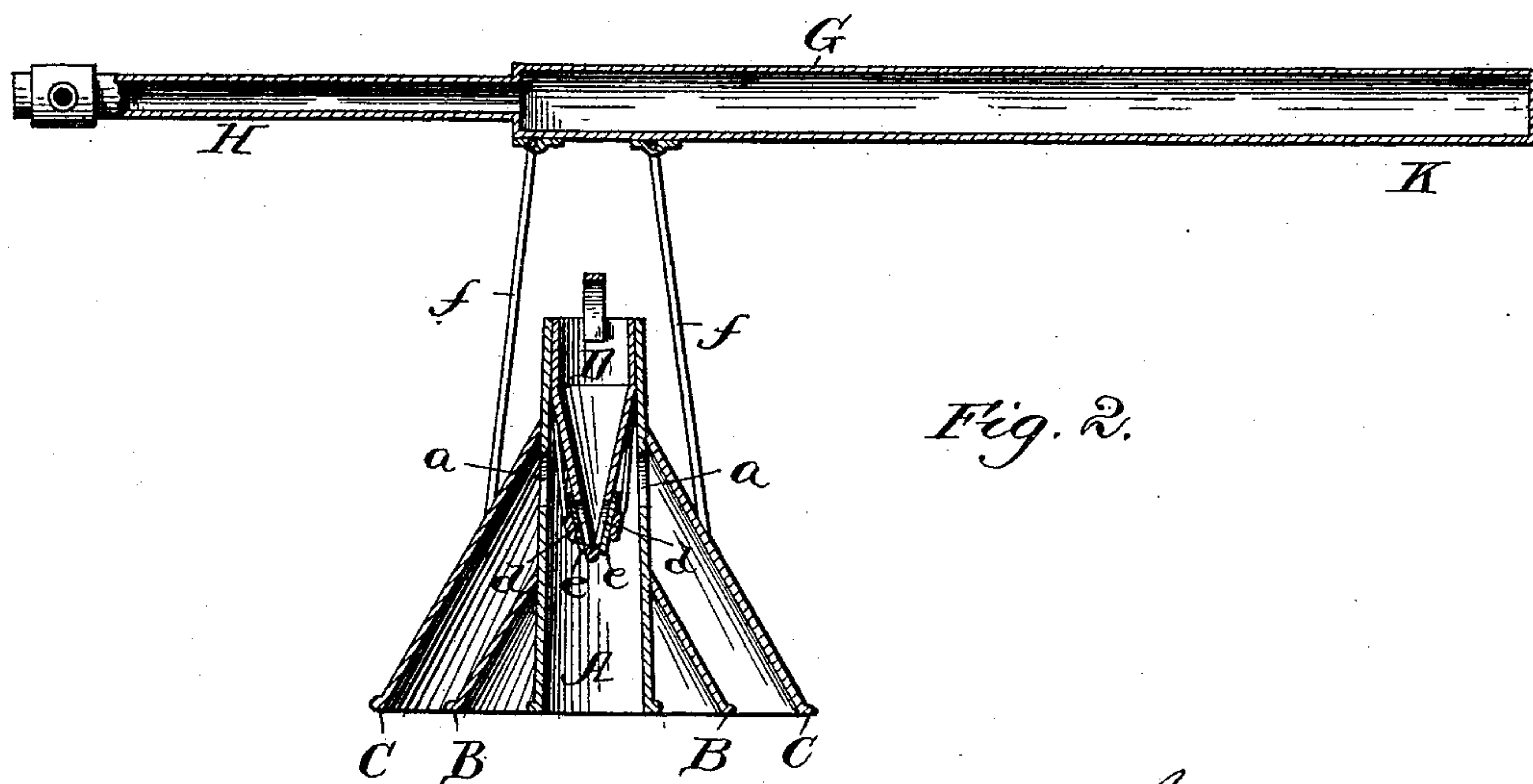
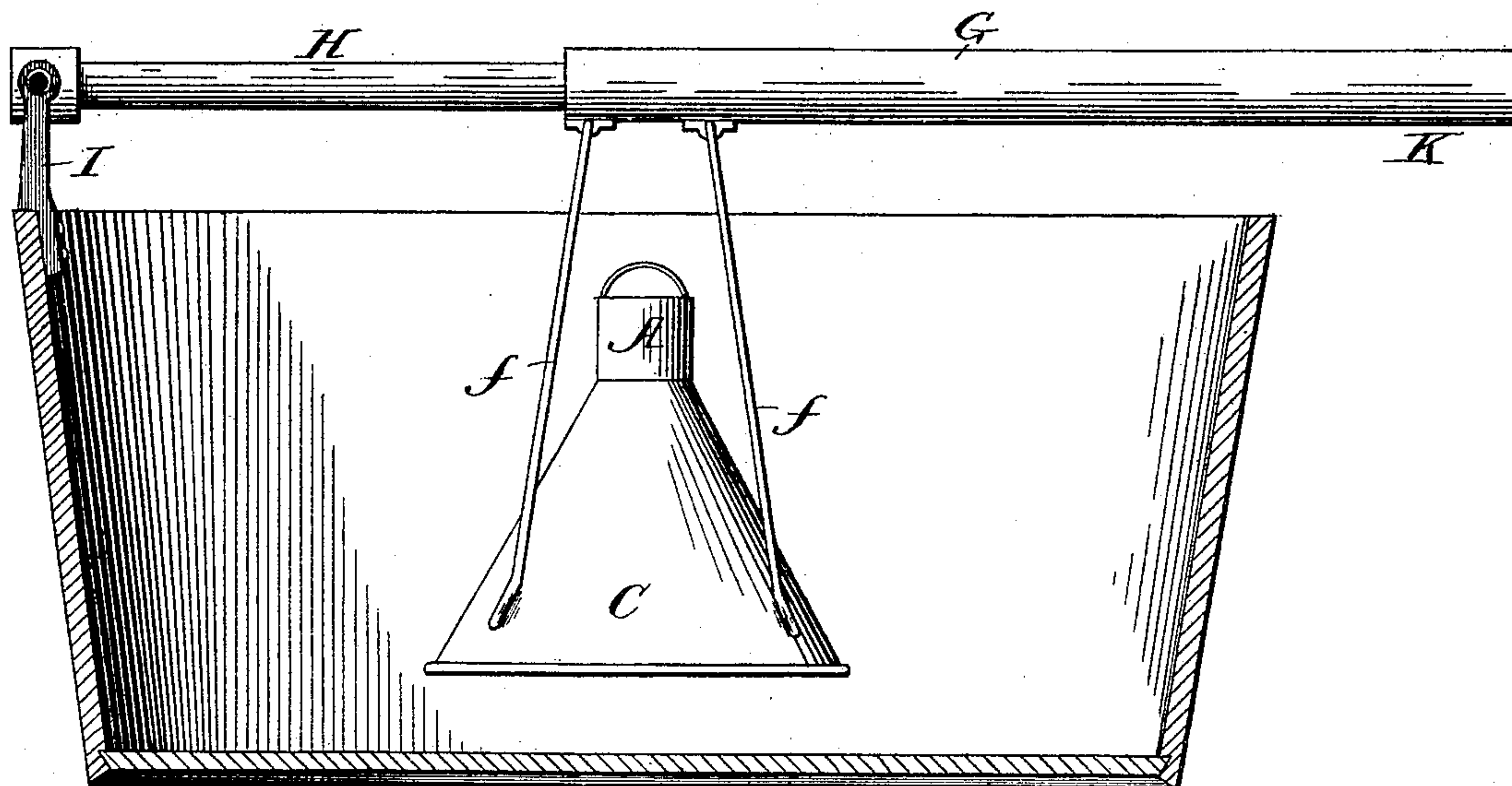


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES TURNER, OF HIGH POINT, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO JOSEPH J. COX, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 495,854, dated April 18, 1893.

Application filed February 4, 1893. Serial No. 461,032. (No model.)

To all whom it may concern:

Be it known that I, JAMES TURNER, a citizen of Canada, residing at High Point, in the county of Guilford and State of North Carolina, 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 has relation to washing machines, and has for its object the provision of a novel and inexpensive washing machine which may be used in connection with the ordinary form of wash tubs and which will greatly reduce the manual labor of washing.

This invention consists in the novel construction, combination and arrangement of parts more fully described hereinafter and specifically pointed out in the claims.

Referring to the accompanying drawings which form a part of this specification, Figure 1 is a vertical section of a tub with my improved washing machine attached thereto and Fig. 2 is a longitudinal sectional view of the washing machine.

The washing machine consists of a central cylinder A and two funnel shaped pieces B and C, the outer piece C being somewhat larger than the piece B and completely surrounding the same. The piece C is securely attached to the cylinder A at a point a short distance below the top of the cylinder and the piece B is attached to the cylinder A at a point about the center of the same, the lower edges of A, B, and C being on a line. The cylinder A is provided with two openings *a*, *a*, just below the point of attachment of the piece C, these openings being directly opposite each other as shown.

Within the cylinder A is fixed another cylinder D whose lower end is closed and wedge shaped. This cylinder D extends from the top of the cylinder A to about the middle of the same and is constructed with openings *d*, *d*, near its lower wedge shaped end. The openings *d*, *d*, are each provided with an outwardly opening flap valve *e*, *e*.

To the outside of the cone, or funnel shaped piece C are attached four upright arms *f*, *f*, *f*, *f*, having their upper ends attached to a cross bar or lever G, by which the machine is worked.

One of the ends H of the lever G may be swiveled in an upright I attached to the edge of the wash tub. The entire machine is intended to be constructed out of sheet metal with the exception of the lever G which may be made of wood.

The operation of the machine is as follows: The clothes which are to be washed are placed in the tub and covered with hot soap suds. The washing machine is then placed in position, the end of the lever G being inserted in proper position in the upright I. On applying pressure to the free end K of the lever G the clothes are first pressed downward through the water and a continuation of the movement of the lever presses the water through the clothes, the flap valves *e*, *e*, being closed by the pressure of the air within the lower part of the cylinder A. On raising the lever G the water is drawn through the clothes in an upward direction, the valves *e*, *e*, opening during the upward movement and permitting the free movement of the machine. A continuation of the upward and downward movement of the lever quickly drives the accumulated dirt from the clothes without in any way injuring even the most delicate texture.

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

1. The combination with the central cylinder A, the exterior funnel shaped piece C and the interior funnel shaped piece B of the interior cylinder D having its lower end wedge shaped and provided with orifices near its wedge shape edge, said orifices being covered with flat valves, substantially as described.

2. The combination with the central cylindrical portion A and the cylindrical portion D having a wedge shaped end with orifices therein and flap valves closing said orifices of the concentric funnel shaped pieces B and C attached to the portion A, the arms *f*, *f*, and the handle or lever G attached to said arms, substantially as described.

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

JAMES TURNER.

Witnesses:

EDWIN D. STEELE,
JOSEPH F. HOFFMAN.