

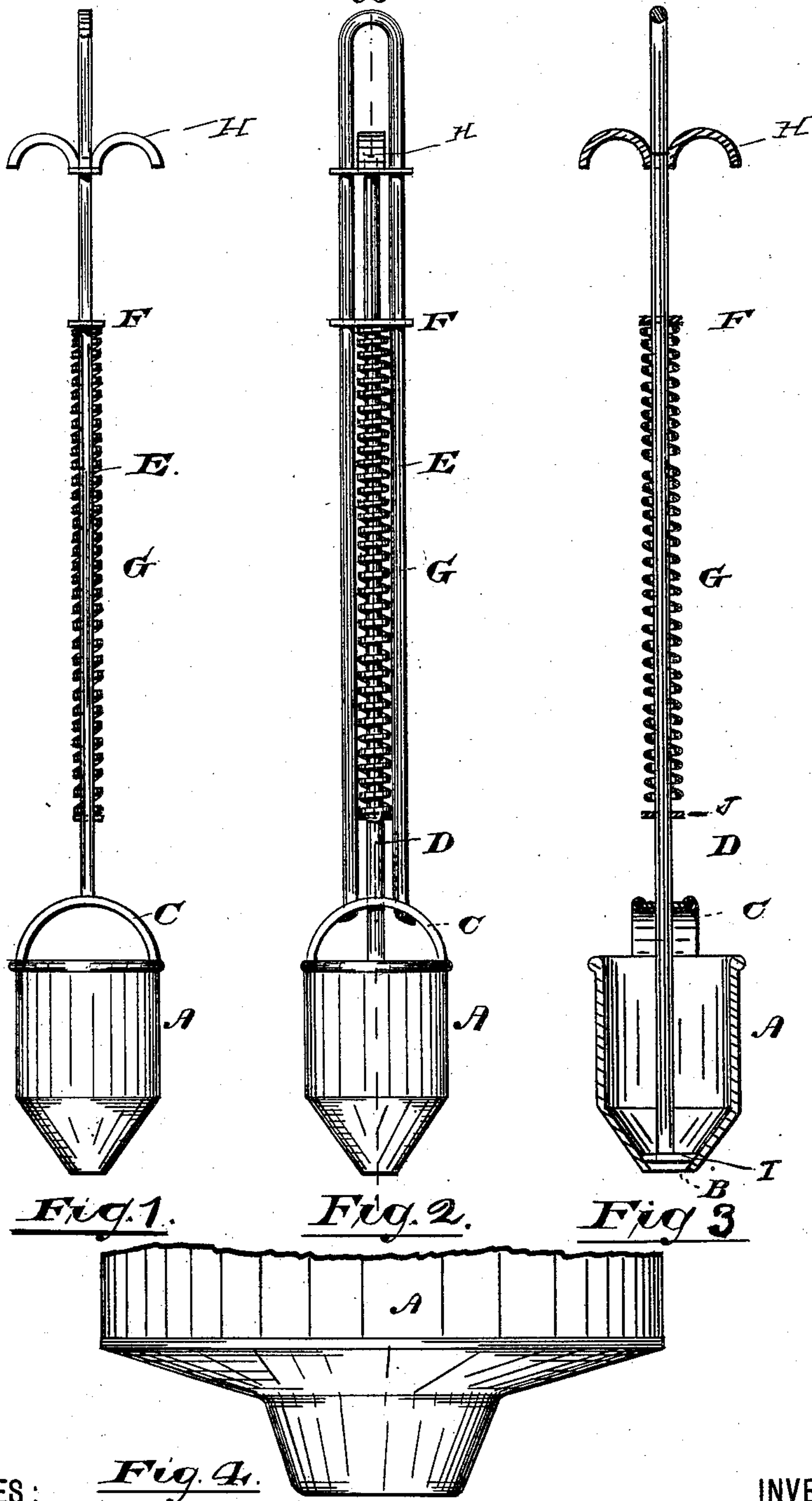
(No Model.)

C. L. CHRISTENSON.

MILK MEASURE.

No. 376,293.

Patented Jan. 10, 1888.



WITNESSES:

Fig. 4.

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CHARLES L. CHRISTENSON, OF VAILSBURG, NEW JERSEY.

MILK-MEASURE.

SPECIFICATION forming part of Letters Patent No. 376,293, dated January 10, 1888.

Application filed March 14, 1887. Serial No. 230,808. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. CHRISTENSON, a citizen of the United States, residing at Vailsburg, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Milk-Measures; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to facilitate the process of measuring out milk or other liquids, to prevent the waste thereof, such as is occasioned by turning the body of the measure pivotally or laterally to allow the liquid to flow over the edge of the body, and to enable the person dealing out the liquid to discharge the same into vessels with small mouths or inlet-openings with greater ease.

The invention consists in the improved milk-measure having the arrangements and combinations of parts substantially as will be hereinafter set forth, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters indicate corresponding parts in each of the several figures, Figure 1 is a front elevation of the improved milk-measure. Fig. 2 is a side elevation of the same, and Fig. 3 is a sectional view taken through line X, Fig. 2; and Fig. 4 is a detail showing a modification in the construction of the body of the measure.

In said drawings, A is the body of the measure, having an exit aperture or opening, B, at the bottom, through which the fluid may escape to the bottle or other receptacle therefor, and having at the top a bow or bent metallic strap, C, which provides bearings for the valve-rod D, and to which the handle-wire E is attached, said handle in vertical and axial line with the body of the measure, extending quite a distance therefrom, to allow the said body to be dipped or thrust into the milk lying at the bottom of the nearly empty and deep milk-can of the usual construction.

Near the top of the handle, as at F, the same is provided with a fixed bearing for the valve-

rod and for a spring, G, and above said bearing the valve-rod is provided with a finger-piece, H, by means of which the valve I closes the exit-opening B by drawing said finger-piece toward the upper end of the handle. This may be readily accomplished by allowing the palm of the hand to rest on the extremity of the handle, while the fingers, passing downward to the opposite sides of the handle, pass beneath the oppositely-extending arms of the finger-piece, so that by simply drawing the fingers toward the palm of the hand the valve is opened. The spring, which bears upon the bearing F at its upper extremity and at its opposite extremity on a shoulder or abutment, J, of the plunger, tends to hold the valve into a closed relation to the valve-seat. Said spring is preferably of sufficient power to overcome the weight of the measure filled with milk, so that should the device be raised by draft on the finger-piece alone the valve will remain closed until additional draft is brought to bear.

The lower end of the measure-body around the valve-opening is made funnel-shaped, either as in Figs. 2, 3, and 4 or in any other suitable manner, to allow the liquid to be discharged easily and readily into a small-mouthed vessel.

I am aware that in Patent No. 296,051 a spring-actuated rod arranged in connection with other mechanism to turn the body of the dipper or measure pivotally upon the handle has been arranged so as to have a relation to said handle similar to that of the valve-rod herein shown; but said rod was in no sense a valve-rod for opening or closing a bottom valve of a milk-measure.

I am also aware that a funnel or measure having a handle at the side of the measure-body, but not adapted for practical service in measuring milk from the ordinary milk-can found in the market, has been provided with a valve at the bottom adapted to be operated by a valve-rod extending, either directly or in connection with a lever, to a point toward the side of the measure, where it may be operated by the hand of the milk-dealer having a hold upon the handle at said side of the measure.

In the improved device the valve-rod extends parallel with the axial handle, so that the valve may be opened at the bottom of the

deep milk-can to allow the inlet of milk without the dealer being put to the inconvenience of reaching his arm into the can to any material depth.

5 Having thus fully described my invention, what I claim as new is—

1. The improved milk-measure consisting of a body, A, having a valve at the bottom thereof, an axial handle, and a valve-rod extending parallel with said handle and provided
10 with a finger-piece at its upper end, substantially as set forth.

2. The improved milk-measure consisting,

essentially, of a body, A, having a valve at the bottom, a bow, C, a handle secured upon said
15 bow and extending axially away from said body, and a valve-rod extending longitudinally along said handle and provided with a finger-piece, substantially as set forth.

In testimony that I claim the foregoing I
20 have hereunto set my hand this 19th day of February, 1887.

CHARLES L. CHRISTENSON.

Witnesses:

CHARLES H. PELL,

WM. S. CORWIN.