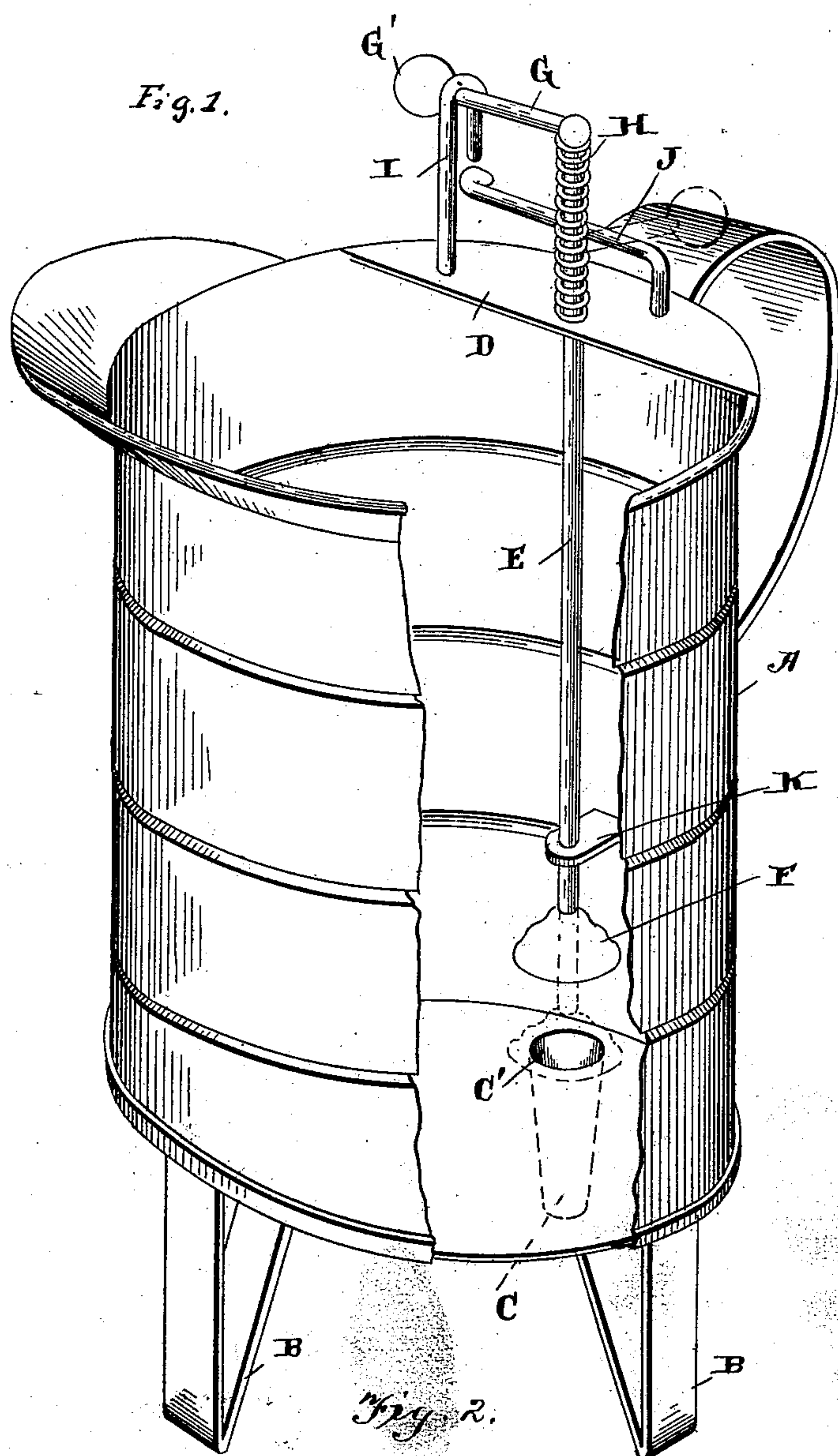


(No Model.)

J. H. BRADNACK.
COMBINED MEASURE AND FUNNEL.

No. 507,479.

Patented Oct. 24, 1893.



WITNESSES.

Geo. C. Frech,

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UNITED STATES PATENT OFFICE.

JOHN H. BRADNACK, OF NEW HAVEN, CONNECTICUT.

COMBINED MEASURE AND FUNNEL.

SPECIFICATION forming part of Letters Patent No. 507,479, dated October 24, 1893.

Application filed June 7, 1893. Serial No. 476,865. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. BRADNACK, of New Haven, in the county of New Haven and State of Connecticut, have invented certain
5 new and useful Improvements in a Combined Measure and Funnel; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in combined measures and funnels, and it consists in the novel features of construction hereinafter fully described and especially designated in the claims.

The object of my invention is to provide an improved valve rod for opening and closing
20 the funnel at the bottom of the measure, and also to provide an improved means for holding the same either raised or lowered as may be desired.

Figure 1 of the accompanying drawings is
25 a perspective view of a measure, a portion of one side being broken away showing the valve open and the rod raised in solid lines, and the valve closed with the rod lowered in dotted lines. Fig. 2 is a vertical sectional
30 view of the lower portion of the same.

A designates a measure which may be of the ordinary or any other preferred construction which is provided with legs or supports B, and depending from its bottom is the short
35 funnel C having its source from an opening C' in the said bottom, as shown.

A narrow ledge or support D extends inward over the measure from one side of the top thereof and depending through this support is the rod E having a rubber valve F at
40 its lower end for the purpose of closing the opening C' and preventing the passage of fluid through the funnel. The upper end of rod E is provided with the right angle arm G having upon its outer end handle G' and
45 coiled about the ends of rod E between the said arm and the shelf is the coiled spring H which holds the rod normally raised, as will be readily understood. When the rod is
50 raised as shown in solid lines, the arm G is

projected beneath a hook standard I, extended from support D, and there held from movement while the measure is being tilted or otherwise manipulated. A right angle stop J also projects from the said ledge D with its
55 free end immediately beneath hook standard I, so that when it is desired to close the funnel C the rod is depressed against the pressure of spring H sufficiently far to enable the arm G to be turned beneath the said stop J, as shown
60 in dotted lines, and in this position it is securely held by the said stop with the funnel closed, as will be readily understood. Thus it will be seen that by means of the stops I and J together with the right angle arm G
65 and coiled spring H, I am enabled to hold the valve rod in a positive position either open or closed, as may be desired. The lower portion of the rod extends through a guide K secured to the inner side of the measure for the purpose of bringing it into its extended position.
70

The bottom of the measure is preferably made sloping as shown, toward the valve opening so as to readily drain the vessel of all its
75 contents.

In use the measure may be filled to the desired extent with the funnel projected into a bottle or other receptacle, and the valve may be opened by raising the rod before described, thus permitting the contents to flow there-
80 from.

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

1. The combination of a vessel provided
85 with ledge D spring raised valve rod E, lateral arm G thereon having handle G' at its outer end, vertical standard I supported by said ledge and provided with a U-shaped upper end, and angular stop J of less height
90 than said standard and under which arm G is turned when the valve rod is depressed, and which when elevated engages and is held by standard I, substantially as shown and described.

2. The combination, of a vessel having an opening in its bottom, a vertical movable valve carrying rod, an arm projecting laterally from the upper end of the rod, a hook
95 standard for engaging the arm and holding
100

the rod in a closed or open position, and an angular stop having its free end arranged beneath the end of the said hook standard for the purpose of holding the rod depressed or
5 closed, substantially as shown and described.

3. The combination, of a vessel having an opening in its lower end, a support extended inward from the upper end of the vessel, a vertically movable rod extended through said
10 support, a valve at its lower end for closing said opening, an arm projected laterally from the upper end of the rod, a spring coiled about the said rod between the said arm and the support, a hook standard extended from the

said support and an angular stop having its 15 free end arranged beneath the said support, the said hook standard being adapted to engage the same when it is in a raised position, and the angular stop adapted to engage the same when in a lowered position, substantially 20 as shown and described.

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

JOHN H. BRADNACK.

Witnesses:

JAMES J. BRADNACK,
JAMES A. WOOD.