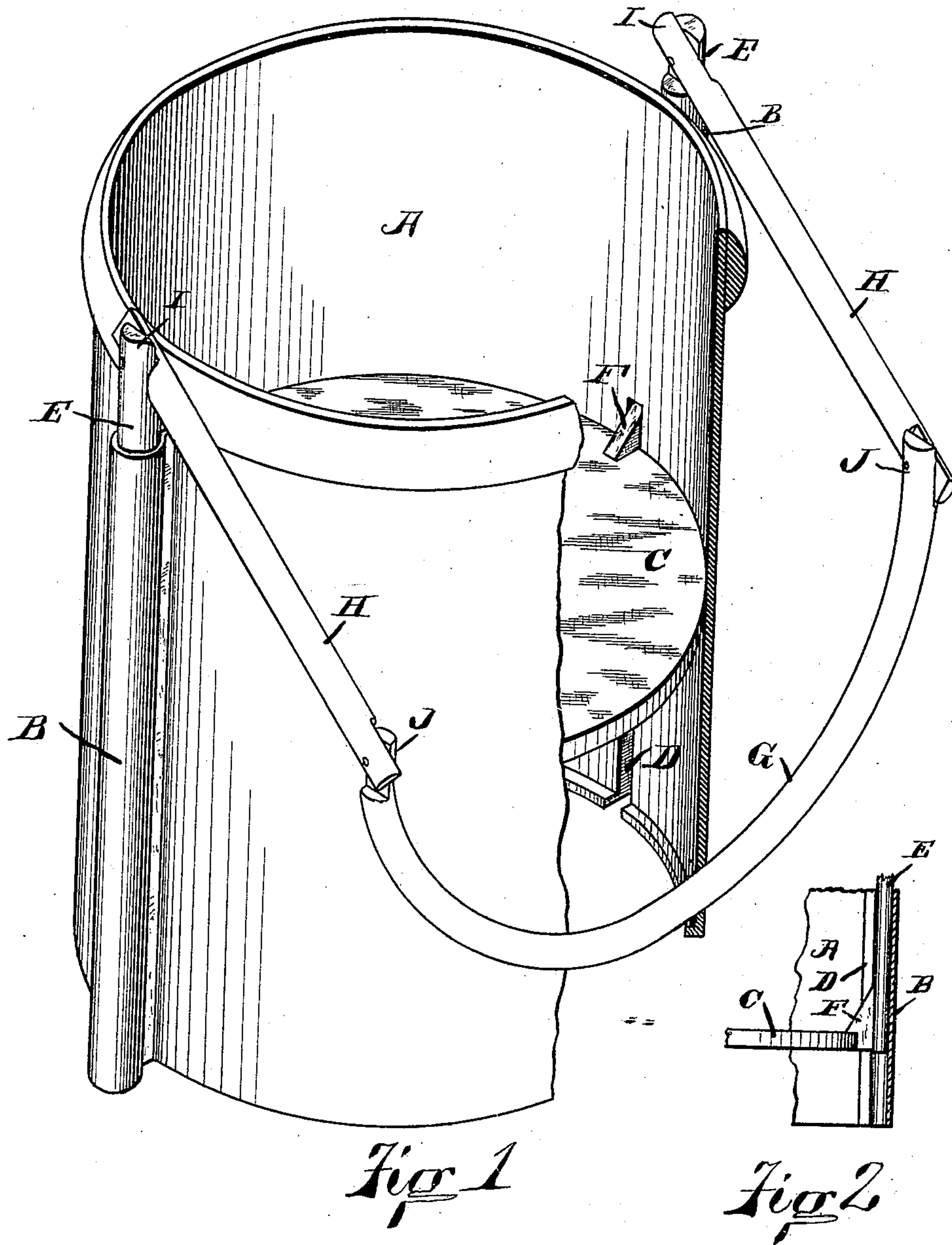


(No Model.)

G. C. SMITH.
MEASURING VESSEL.

No. 312,030.

Patented Feb. 10, 1885.



Witnesses:
W. A. Seward
C. E. Mathes.

George C. Smith
by James H. See
Inventor
Attorney

UNITED STATES PATENT OFFICE.

GEORGE C. SMITH, OF HAMILTON, OHIO, ASSIGNOR OF ONE-HALF TO S. W. BROCK, OF SAME PLACE.

MEASURING-VESSEL.

SPECIFICATION forming part of Letters Patent No. 312,030, dated February 10, 1885.

Application filed October 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE COOPER SMITH, of Hamilton, Butler county, Ohio, have invented certain new and useful Improvements in Measuring-Vessels, of which the following is a specification.

This invention pertains to vessels for measuring given quantities of material—as quarts, pecks, &c.; and it relates to a construction for permitting the same vessel to be used for measuring different quantities.

The invention will be readily understood from the following description, taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of a measuring-vessel illustrative of my improvement, a portion of the wall of the vessel being broken away to exhibit the interior structure; and Fig. 2, a vertical section at the foot of one of the side tubes.

In the drawings, A represents a measuring-vessel having the usual bottom omitted; B, a pair of side tubes or guides at opposite sides of the vessel; C, a bottom fitted to slide vertically in the vessel; D, slots leading from the interior of the vessel to the interior of the side tubes; E, rods fitted to slide in the side tubes; F, feet on the rods E, serving to attach the rods to the sliding bottom; G, the bail; H, link-rods connecting the bail with the side rods, E; I, pivot-connections uniting the link-rods to the side rods, and J pivot-connections uniting the bail to the link-rods.

The intention is that the sliding bottom may be adjusted into two or more different positions in the vessel, whereby the vessel becomes

adapted for measuring different quantities. The vessel may, if desired, be arranged to hold a peck when the sliding bottom is in its lowest position, and, say, half a peck when it is in its highest position. The bottom is adjusted upward and downward by means of the bail and the rods. The joints in the rod and bail system enable the bail to hang downward out of the way when the side rods occupy their highest position. When the bottom is down to its lowest position, the bail may then swing upon the pivot-joints J. None of these joints are, however, essential.

The vessel may be formed of wood or of metal, and the side rods may be of circular section or of flat or dovetail section, as desired. The side tubes, B, may extend to near the top of the vessel, as shown in the drawings, or they may extend only a short distance above the top of the slots.

I claim as my invention—

1. A measuring-vessel provided with side tubes and side slots, a bottom fitted to slide in the vessel, and side rods attached to the bail and to said sliding rods, combined substantially as and for the purpose set forth.

2. A measuring-vessel provided with side tubes and side slots, a bottom fitted to slide in the vessel, rods fitted to slide in said tubes and connected to said sliding bottom, a bail, and link-rods uniting the bail to said sliding rods, combined substantially as and for the purpose set forth.

GEO. C. SMITH.

Witnesses:

J. W. SEE,
ISRAEL WILLIAMS.