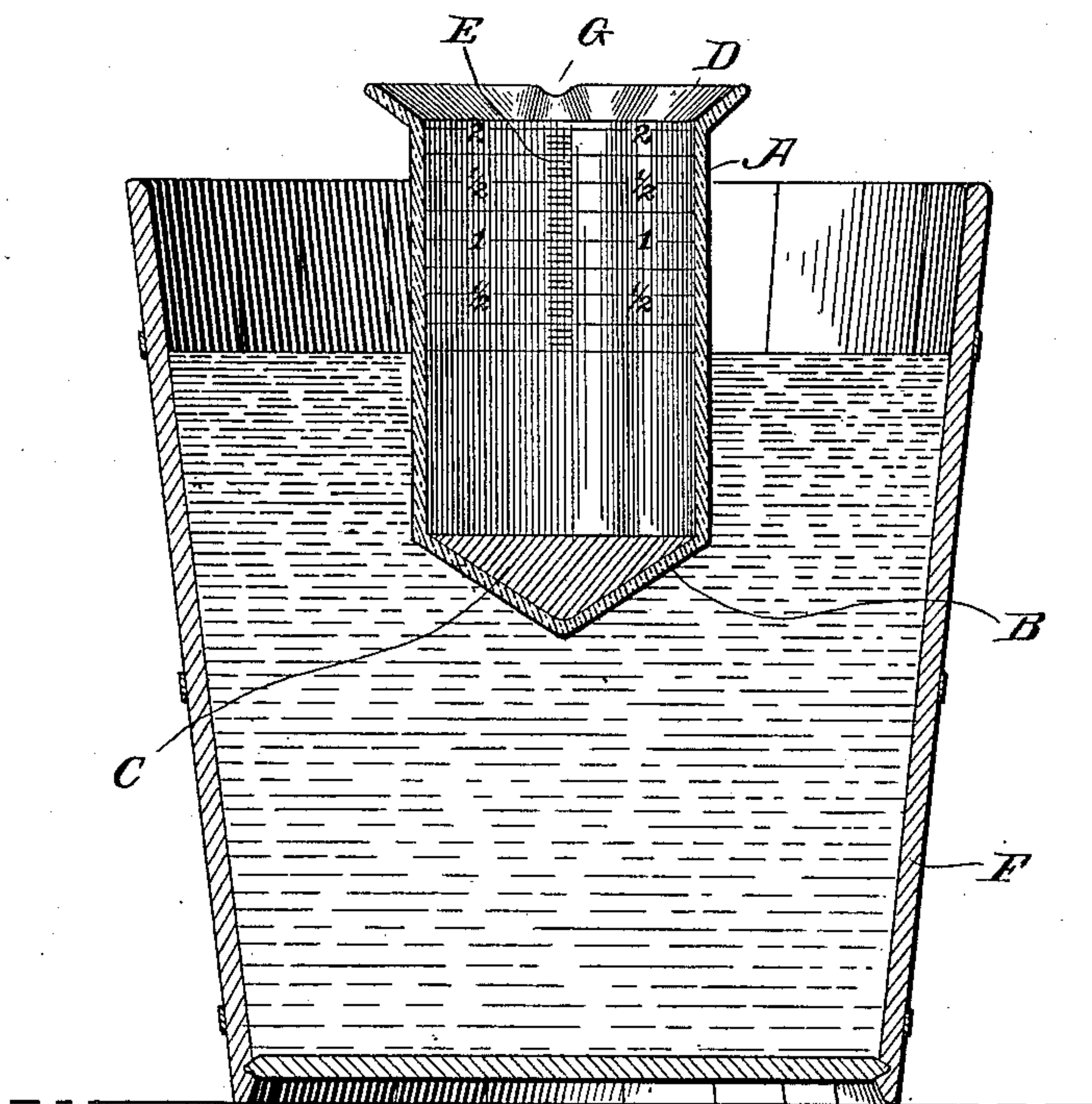


No. 607,010.

Patented July 12, 1898.

G. A. BAUMANN.
WEIGHING RECEPTACLE.
(Application filed Sept. 27, 1897.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

GUSTAVE A. BAUMANN, OF PHILADELPHIA, PENNSYLVANIA.

WEIGHING-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 607,010, dated July 12, 1898.

Application filed September 27, 1897. Serial No. 653,117. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVE A. BAUMANN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Weighing-Receptacles, of which the following is a specification.

My invention relates to a new and useful improvement in receptacles for weighing substances by the buoyancy of said receptacle, and has for its object to provide an exceedingly simple device of this description which by being placed in water will indicate the weight of the contents thereof.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawing, forming a part of this specification, in which my improvement is shown in section, the graduations appearing upon the outside of the receptacle.

In carrying out my invention I provide a receptacle A, to be made of glass, iron, or other suitable material, so constructed that by the distribution and adjustment of material either upon the sides of the receptacle or upon its bottom it will sink the receptacle to such a depth in water that when placed therein empty it will assume and maintain an upright or perpendicular position, the material referred to to be preferably distributed upon the bottom of the receptacle—for example, as shown in the drawing at B—and to be conical in shape, or cylindrical or otherwise, and to be separately attached to the receptacle or cast, fashioned, shaped, or worked into one homogeneous mass with the receptacle. The mouth of the receptacle is preferably flared, as shown at D, with an indentation or lip G for the easier emptying of the contents thereof, and the body of the receptacle to have marked thereon the graduations, as shown at E, upon directly opposite sides of the receptacle or to extend all the way around it, and which are so scaled that when sufficient of the substance to be weighed has been placed within the receptacle to cause it to partially

sink within the water these graduations will indicate, by registering with the water-line, the weight of the substance within the receptacle.

In practice a pail F, of any construction, is filled with a sufficient quantity of water and the receptacle A placed therein, when the material to be weighed may be poured within the receptacle and if not a liquid to be evened up, so as to give the receptacle a perpendicular position, to be determined by the proper graduations touching the surface of the water in which the receptacle is placed, or the receptacle before being placed in the water may serve as a scoop to scoop up the material to be weighed.

One of the principal advantages of my improvement is that the receptacle does not come in contact with any portion of the pail in which it is floating, but rests entirely in the water, so that no friction is added to these movements, thus securing greater accuracy in the determining of the weight of the material therein.

I am aware that a device has been invented and patented for hydrostatically weighing substances which is so constructed that the receptacle rests directly or indirectly upon wheels or upright tracks, which necessarily cause friction, and hence inaccuracy, and which is complicated and cumbersome to such an extent that it is more expensive than the scales ordinarily in use, and my invention is to produce a device which is exceedingly simple and inexpensive for use where absolute and scientific accuracy is not an essential feature.

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

As a new article of manufacture, a receptacle having its mouth flared and its lower portion V-shaped in cross-section, a weight arranged interiorly of the receptacle and comprising its bottom, said weight bringing the center of gravity of the receptacle below the termination of the vertical walls thereof, and for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

GUSTAVE A. BAUMANN.

Witnesses:

S. S. WILLIAMSON,
SAMUEL L. TAYLOR.