

(No Model.)

W. J. SMITH.
MEASURE, BUCKET, &c.

No. 249,208.

Patented Nov. 8, 1881.

Fig. 1.

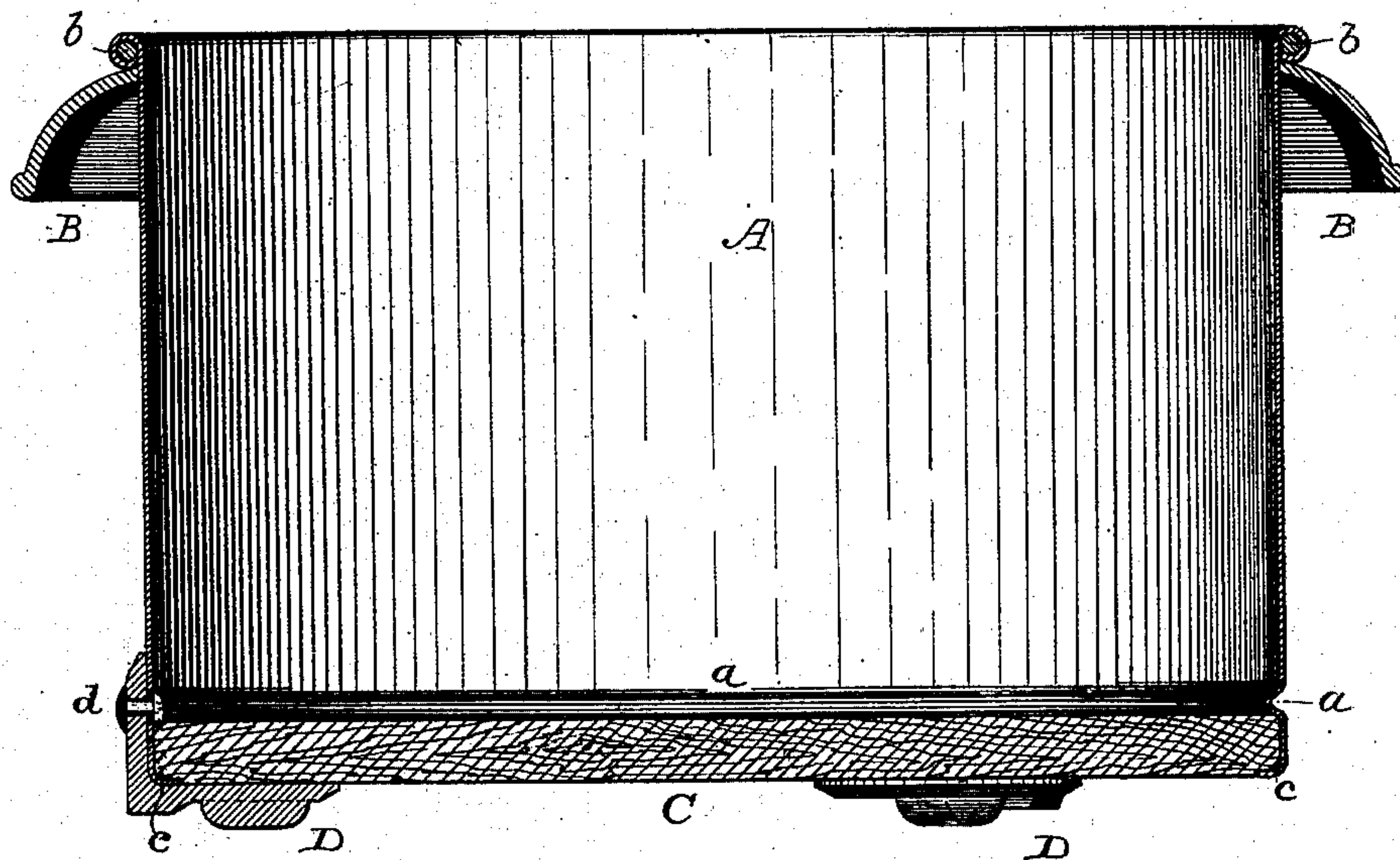
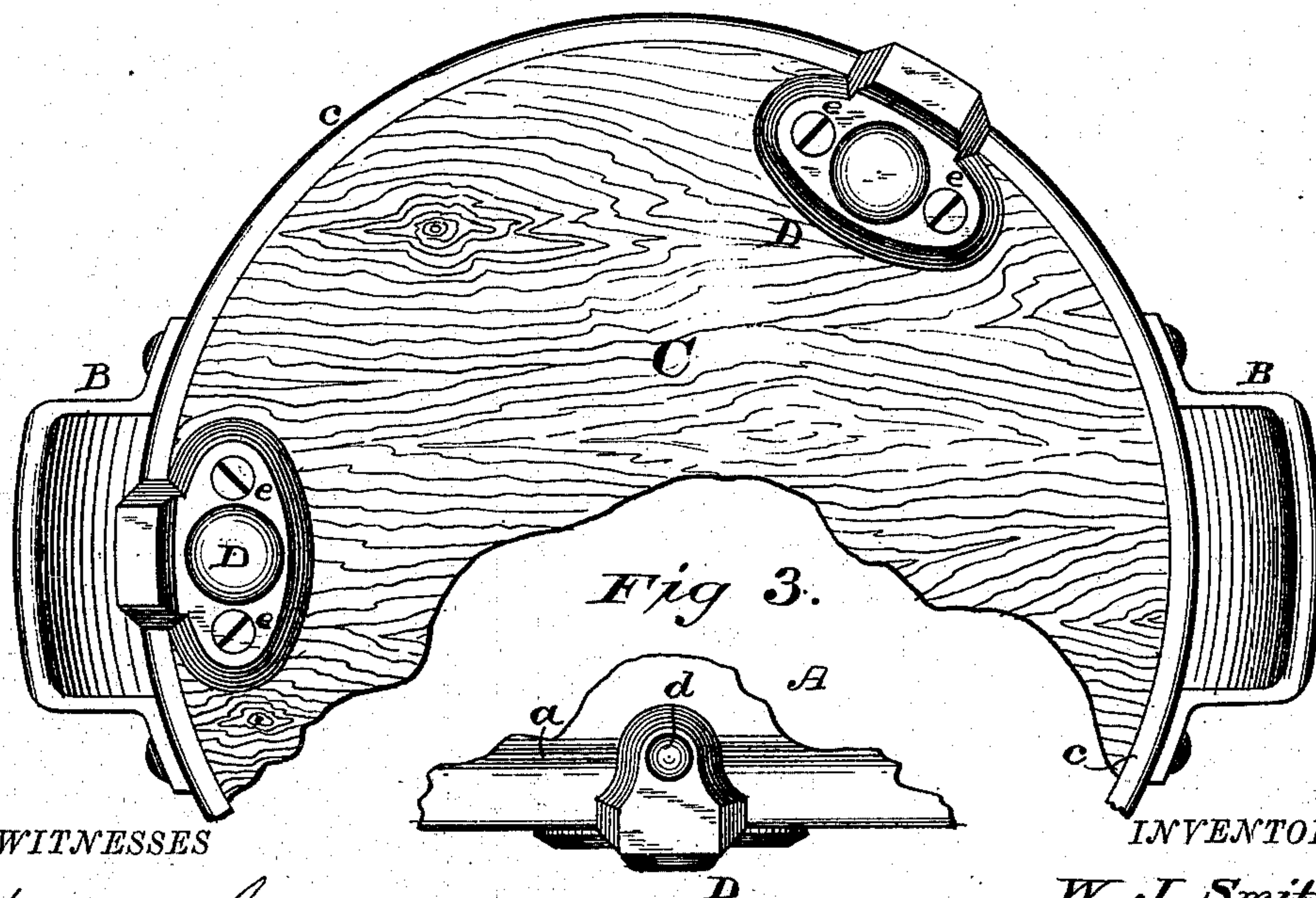


Fig 2.



WITNESSES

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WILLIAM J. SMITH, OF TOLEDO, OHIO.

MEASURE, BUCKET, &c.

SPECIFICATION forming part of Letters Patent No. 249,208, dated November 8, 1881.

Application filed August 17, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. SMITH, of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful
5 Improvements in Measures, Buckets, and like articles, of which the following is a specification.

My invention relates to improvements in that class of metallic vessels of various kinds which are provided with wooden bottoms.

10 My object, mainly, is to produce wood-bottomed sheet-metal vessels—such as measures of any desired sorts or sizes, water-buckets, coal-hods, well-buckets, &c.—the bottoms of which vessels shall be securely fastened in
15 place and well protected against wear or injury by battering or rubbing contact with external objects.

My improvements consist in the manner of fitting and securing the bottoms in the bodies
20 or metallic portions of the vessels, and in the manner of supporting and protecting the bottoms of the vessels, as will hereinafter fully be described, preparatory to a specific designation of the subject-matter deemed novel.

25 In the accompanying drawings, which are designed to represent a half-peck measure, Figure 1 is a vertical central section; Fig. 2, a partial bottom view; and Fig. 3, a detail, showing a side view or elevation of one of the feet
30 or supporting and protecting knobs and the adjacent portion of the vessel.

The open-ended metal body A, which may be of cylindrical or other appropriate outline, is preferably made of sheet-iron, seamed and
35 otherwise suitably formed, as with the ears or handles BB, and a strengthening-wire, b, at top.

Near the bottom of the body an annular corrugation or bead, a, is formed, constituting an inwardly-projecting shoulder or abutment all
40 around the body, usually at a distance from its lower end somewhat greater than the thickness of the wood of which the bottom is composed.

A wood bottom, C, is cut of the proper dimension to snugly fit into the end of the body
45 or cylinder A, and is placed in position with its upper surface all around near its edge abutting against the bead a. The lower edge of the body is turned inward and up against the
50 bottom C, forming an annular seat or rest, c.

The body is thus secured between the two inwardly-projecting parts a c of the sheet-metal body.

To the extent of the description above given the article is of old and well-known construction. 55

The supporting knobs or feet D, preferably three in number, are arranged at equal distances apart. Each protecting and supporting knob is of an angular or bent form, so as to
60 clamp against the vertical side, as well as upon the bottom of the vessel, and is secured in place by a rivet, d, passing through its shank or upright portion and through the vessel-body, and by screws e e, passing through the foot-base
65 and taking into the wooden bottom. As these clamp-knobs D securely connect and firmly unite the bottom and body of the vessel by their rivet and screw fastenings directly with the body and bottom, respectively, it is obvious that the annular flange or lower confining-seat, c, might be omitted should it be deemed
70 desirable for any reason to depend simply upon the clamp-knobs for the connection between the bottom and body; but I prefer to employ
75 the commonly-used head and seat, because of the additional strength and tightness of fit secured.

If desired, the wooden bottom may be covered or lined with sheet metal, or made of any
80 desired material throughout.

It will be seen that the feet serve to support the vessel and to protect its bottom from wear and from blows; but as they are directly fastened both to the body and bottom, they bind the
85 parts fixedly together, thus guarding against upward as well as downward movement of the bottom in the body.

I do not broadly claim a wood-bottomed metallic vessel, as I am aware that sheet-metal
90 vessels have heretofore been provided with wooden bottoms. Neither do I unqualifiedly claim a measure, coal-hod, &c., with supporting-feet, as, broadly considered, such vessels are older than my invention. 95

I claim as of my own invention—

1. The combination of the vessel-body, the separately-formed bottom fitted therein, the clamp-knobs lapping beneath the bottom and embracing the sides of the body, and the fast- 100

enings by which the clamp-knobs are directly and firmly united both with the body and bottom, as and for the purpose described.

2. The combination of the metallic body, the
5 wooden bottom fitted therein, the clamp-knobs, the fastening-screws securing the knobs to the bottom, and the rivets securing the knobs to the body, as described.

In testimony whereof I have hereunto subscribed my name.

WILLIAM J. SMITH.

Witnesses:

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