J. COOVER.

Improvement in Forming Sheet-Metal Measures.

No. 132,386. Patented Oct. 22, 1872.

Fig. 1.

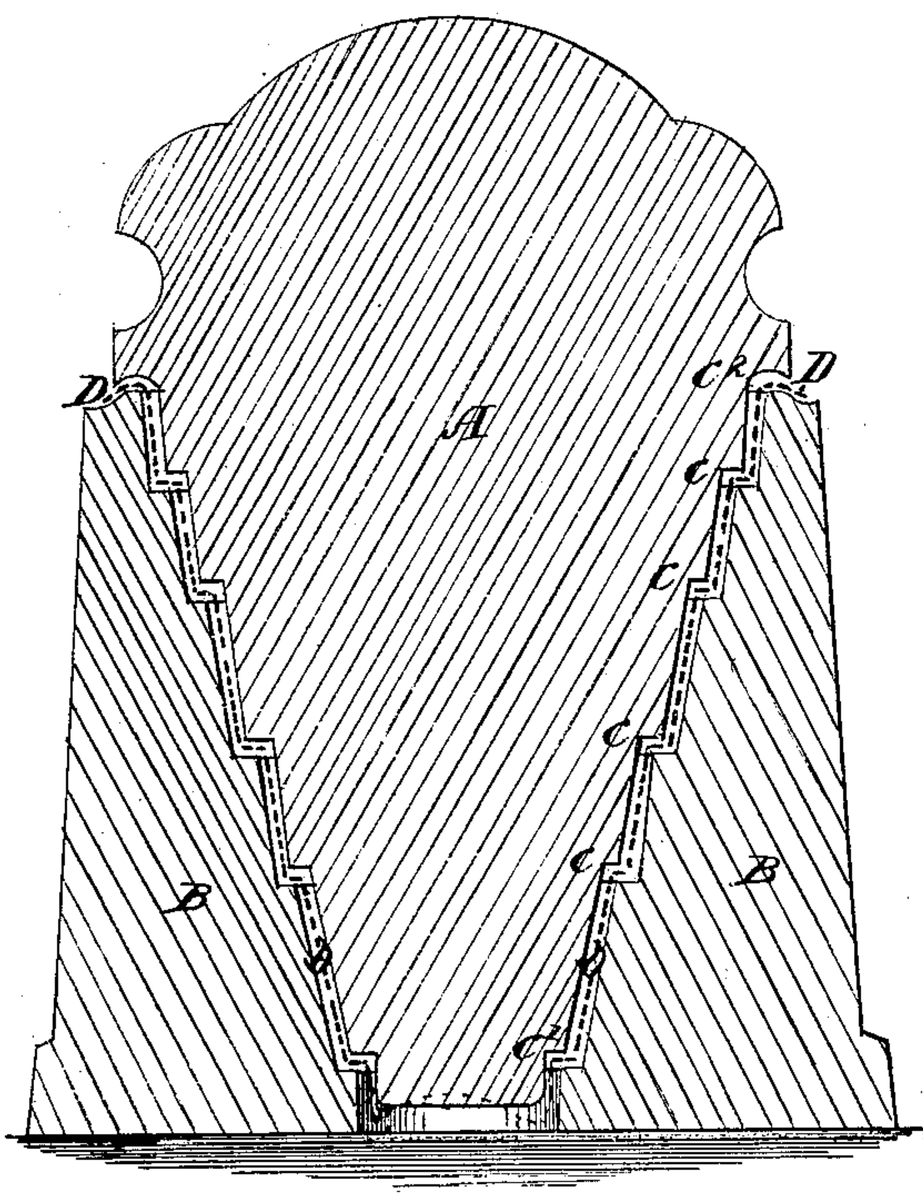


Fig. 2.

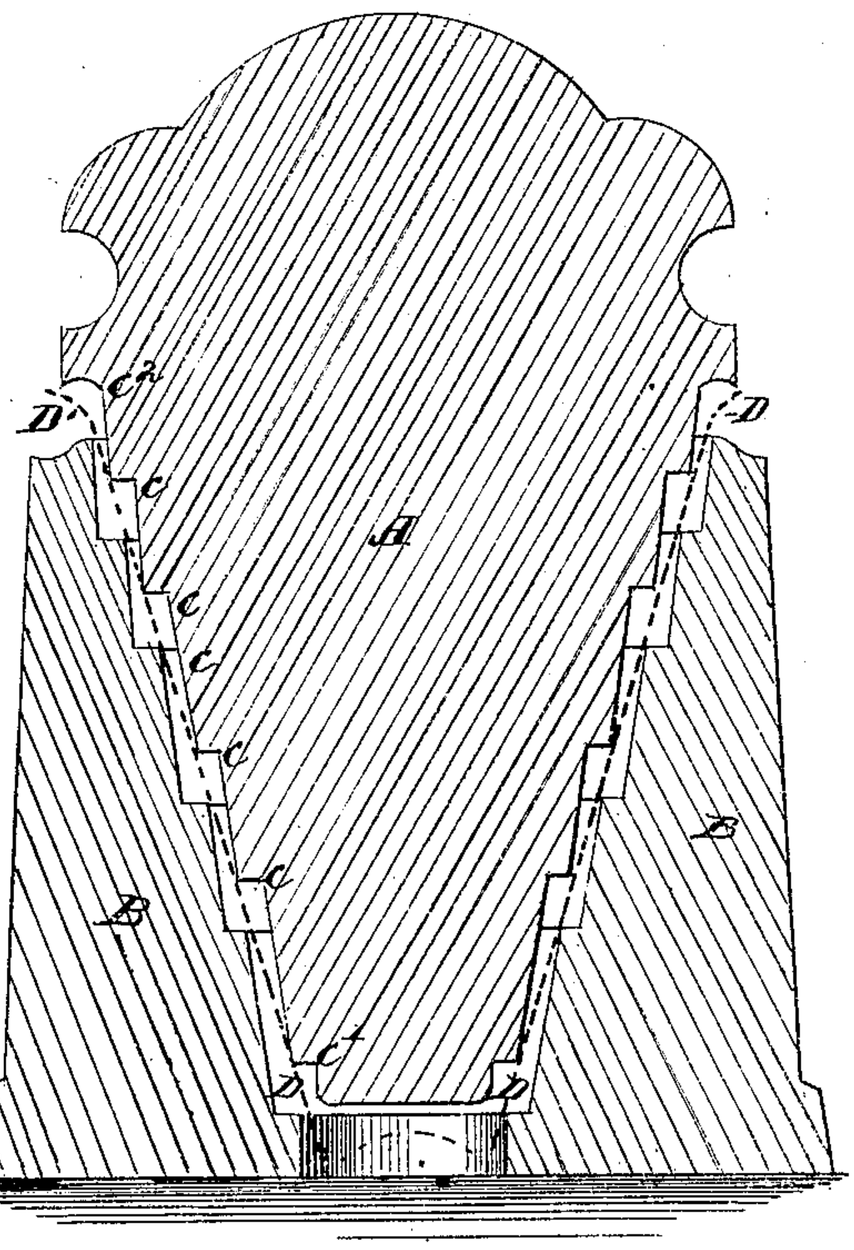
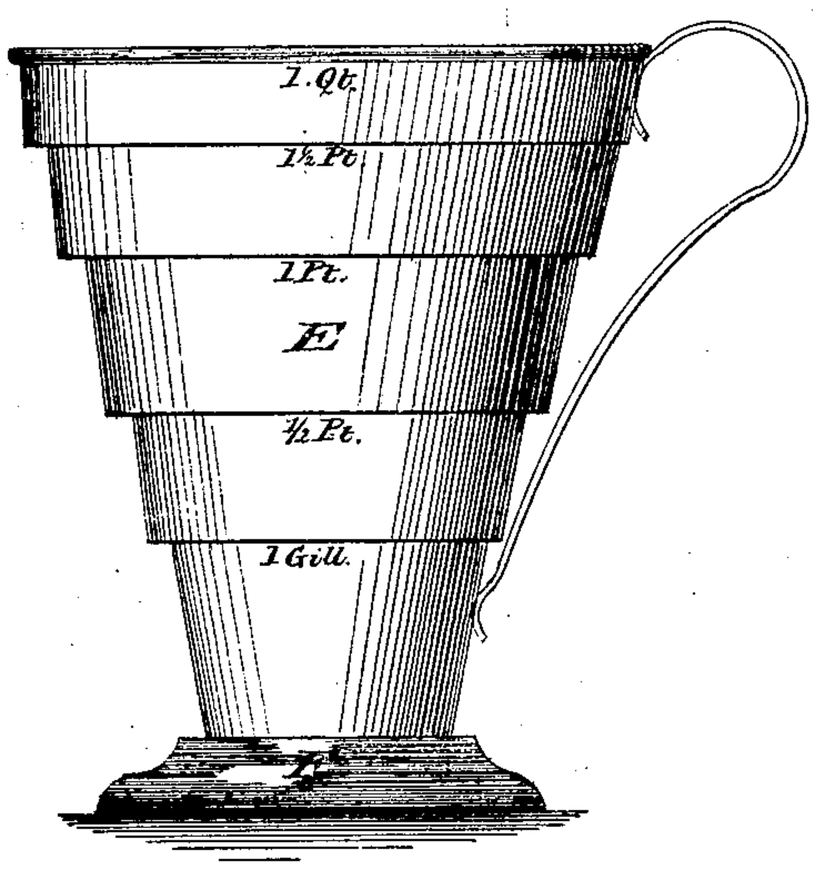


Fig. 3.



Witnesses:

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JACOB COOVER, OF CHAMBERSBURG, PENNSYLVANIA.

IMPROVEMENT IN FORMING SHEET-METAL MEASURES.

Specification forming part of Letters Patent No. **132,386**, dated October 22, 1872.

To all whom it may concern:

Be it known that I, J. COOVER, of Chambersburg, in the county of Franklin and State of Pennsylvania, have invented a new and Improved Construction of Liquid-Measures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification.

My invention relates to a "new way" of constructing dies so as to graduate the form of a standard measure, not only to an aggregate cubical quantity, but also to aliquot parts thereof.

I am aware that a vessel put up in sections by hand, to measure different quantities of liquid, has been used; and I am also aware that metal funnels for the same purpose have been formed by spinning them with parallel corrugations; but I do not believe that any one before myself has ever constructed dies having offsets bearing certain definite relations to cubical quantities.

The peculiar character or principle which distinguishes my dies from any now known to the public consists in the arrangement of the corresponding offsets thereon in such relation to each other that they form horizontal measuring-indices of aliquot parts of the contents of the whole vessel.

Figures 1 and 2 represent vertical sections of the male and female dies applied to one another, and Fig. 3 represents the product or vessel turned out by my dies.

A is the conical male die, having (in this instance) a lower section of a cone, whose solid contents equal one gill; then a horizontal-projecting shoulder formed by another sectional cone resting thereon, whose solid contents also equal one gill, but together with the preceding are equal to one-half pint; the next section of a cone is equal in solid contents to one pint; and so on, according to the desired aggregate size of the vessel. B is a female die correspondingly constructed, which allows it to fit nicely therein. A conical tube is then formed of suitable size, placed in the female die, as shown in Fig. 2, and staved up, as shown in Fig. 1. The bottom is then applied thereto and the top finished in the usual manner.

Having thus described my invention, what I desire to protect by Letters Patent is—

The two dies A B, reversely tapered and offseted, combined as and for the purpose specified.

JACOB COOVER.

Witnesses:

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