

(No Model.)

J. S. MAYER.

POTTER'S MOLD.

No. 356,773.

Patented Feb. 1, 1887.

Fig. 1.

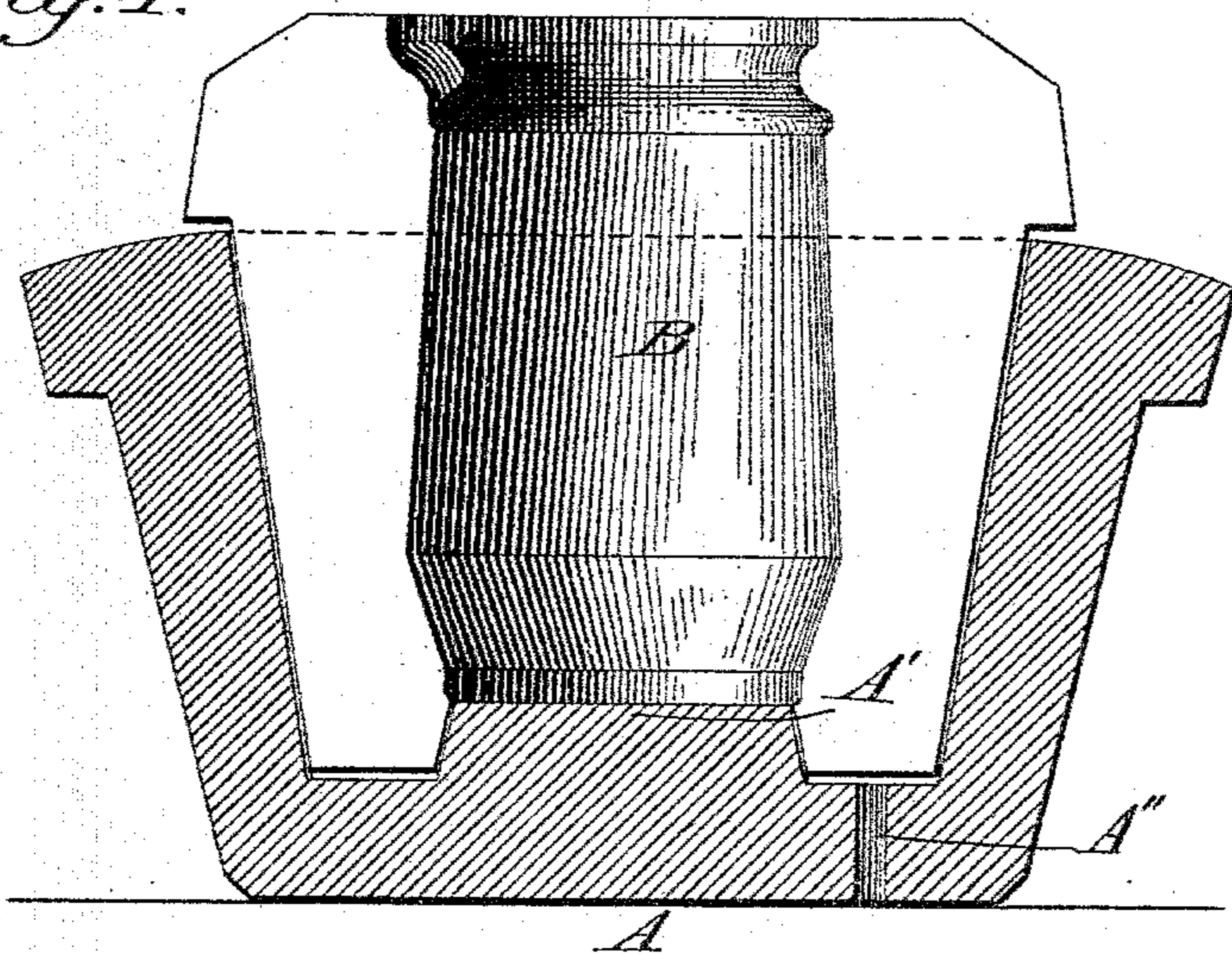
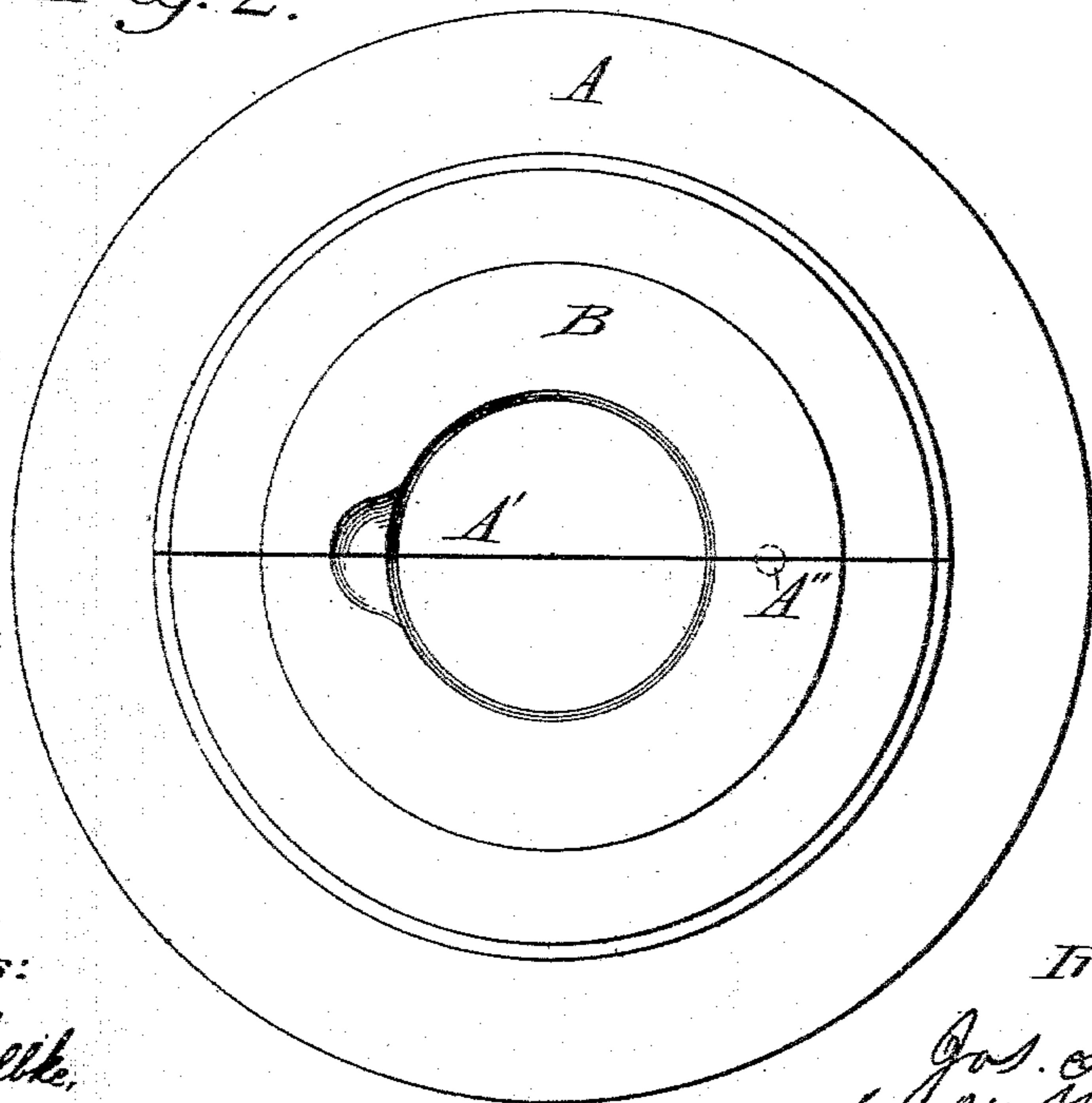


Fig. 2.



Witnesses:

John P. Gellke,
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Inventor:

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UNITED STATES PATENT OFFICE.

JOSEPH S. MAYER, OF TRENTON, NEW JERSEY.

POTTER'S MOLD.

SPECIFICATION forming part of Letters Patent No. 356,773, dated February 1, 1887.

Application filed July 21, 1885. Serial No. 172,247. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. MAYER, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented a new and useful Potter's Mold, of which the following is a specification.

My invention relates to improvements in that class of potters' molds used in the process of "jiggering ware," and is adapted to the formation of potters' vessels having contracted necks, expanded lower part or parts, and bases recessed or having an annular base-rim or foot. Its object is, first, to produce a thoroughly practical self-clamping mold of the sectional type, which, by avoiding the use of clamping-straps, loose bottom pieces, and all complication of parts, can be worked with much greater ease and rapidity than those heretofore used in the manufacture of this class of ware; secondly, to construct this mold so that its two vertically-divided halves can, with incased vessels, be separated from their bottom parts immediately after the vessel is formed, whereby the base of the plastic vessel is exposed to the free heat of the drying-room, greater uniformity and rapidity in the drying-out process is secured, and the working quota of molds materially reduced thereby.

It consists in the combination of a clamping-case in which a raised projection forms the fixed bottom for mold, and a vertically-divided mold properly fitted thereto.

I attain this object by use of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a central vertical section of my improved case, showing small pitcher-mold fitted to it in true working position. Fig. 2 is a plan of the same.

Similar letters refer to similar parts throughout the several views.

A, Fig. 1, is a view of my improved case made of plaster or other suitable material.

A' is a tapered projection fitted to and forming bottom of mold B.

A" is a vent-hole for the escape of air from under mold B when being sealed.

B is a pitcher-mold snugly fitting inside of case A and around projection A', so as to leave a clearance between the bottom of mold B and case A, in order that the mold B will seat firmly and follow down in case of wear. It is made in halves and doweled together, and is self-centering by simply dropping into case A.

The operation of my improved device is substantially as follows: A head the inner surface of which coincides with the external surface of case A is fitted to a jigger-spindle. The case A is then inserted in this jigger-head. The mold B, conforming in outline to the external surface of the desired vessel, is next inserted in case A, the projection A' snugly fitting into and forming bottom for this mold. A sweep is next prepared coinciding with the desired inner surface of the vessel to be made and is then properly fitted to the pull-down lever. A bat of clay is next thrust into the mold B, the pull-down brought into proper position, when in a few revolutions of the jigger the desired vessel is completed.

I am aware of United States Letters Patent to Ribon, No. 282,369, of July 31, 1883, and do not claim the construction therein.

I also have another application, Serial No. 191,143, for Letters Patent, in which is shown, but not claimed, the combination desired to be covered in this application, the other application being for an additional feature not included herein; but in this application I do claim and desire to secure by Letters Patent—

A potter's mold-case consisting of the case B, having internally the configuration of the vessel to be made, externally tapered, with open bottom, and vertically divided into halves, in combination with correspondingly-tapered inclosing-case A, adapted to clamp said halves together, and having an integral central raised portion, A', to fit into the open bottom of the inner case, B, substantially as and for the purpose set forth.

JOSEPH S. MAYER.

Witnesses:

WM. H. IVENS,

JOHN KRUMHOLZ.