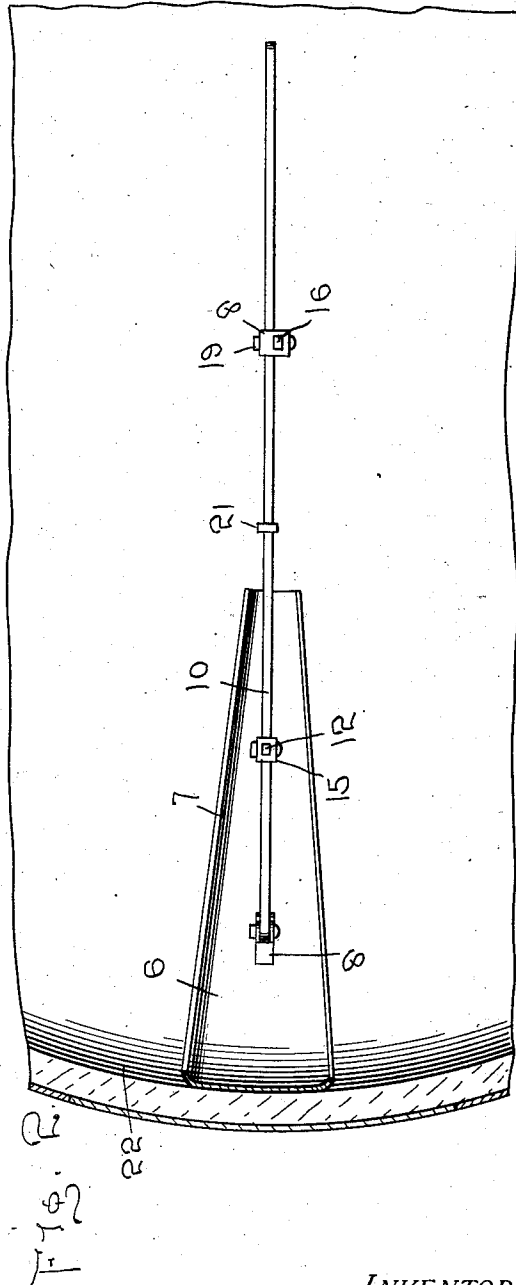
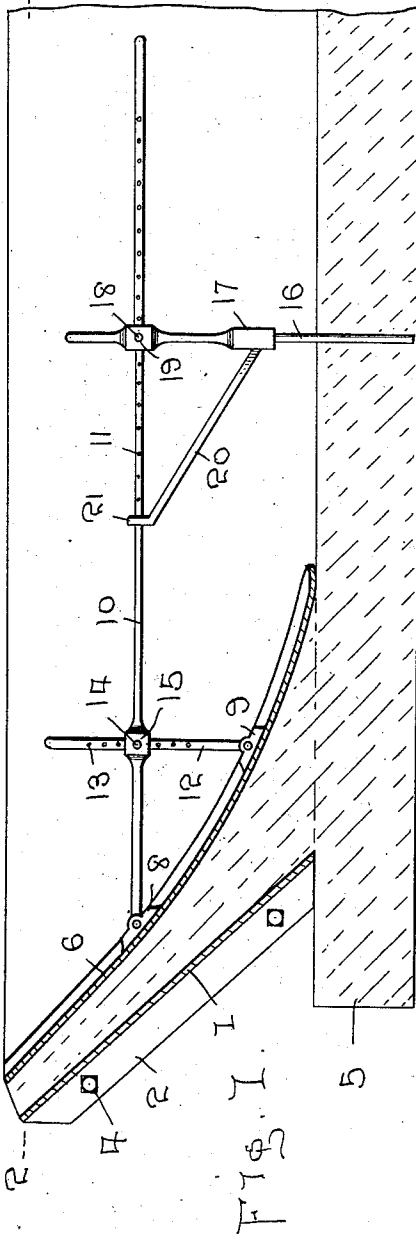


T. J. HARRISON.
 FOUNTAIN MOLD.
 APPLICATION FILED MAY 27, 1911.

1,021,927.

Patented Apr. 2, 1912.

2 SHEETS—SHEET 1.



WITNESSES:

Thos. W. Riley
Alex. Josh. Jr.

T. J. Harrison INVENTOR

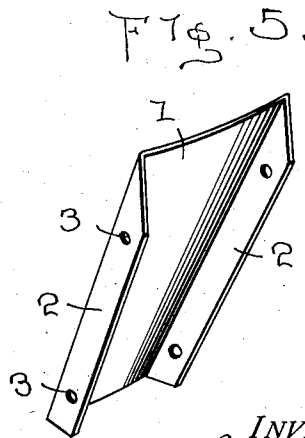
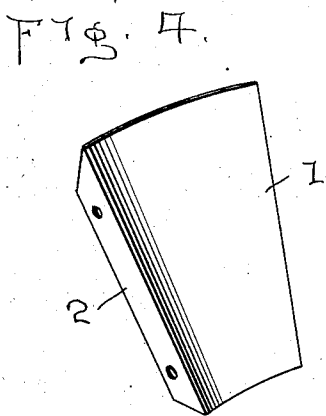
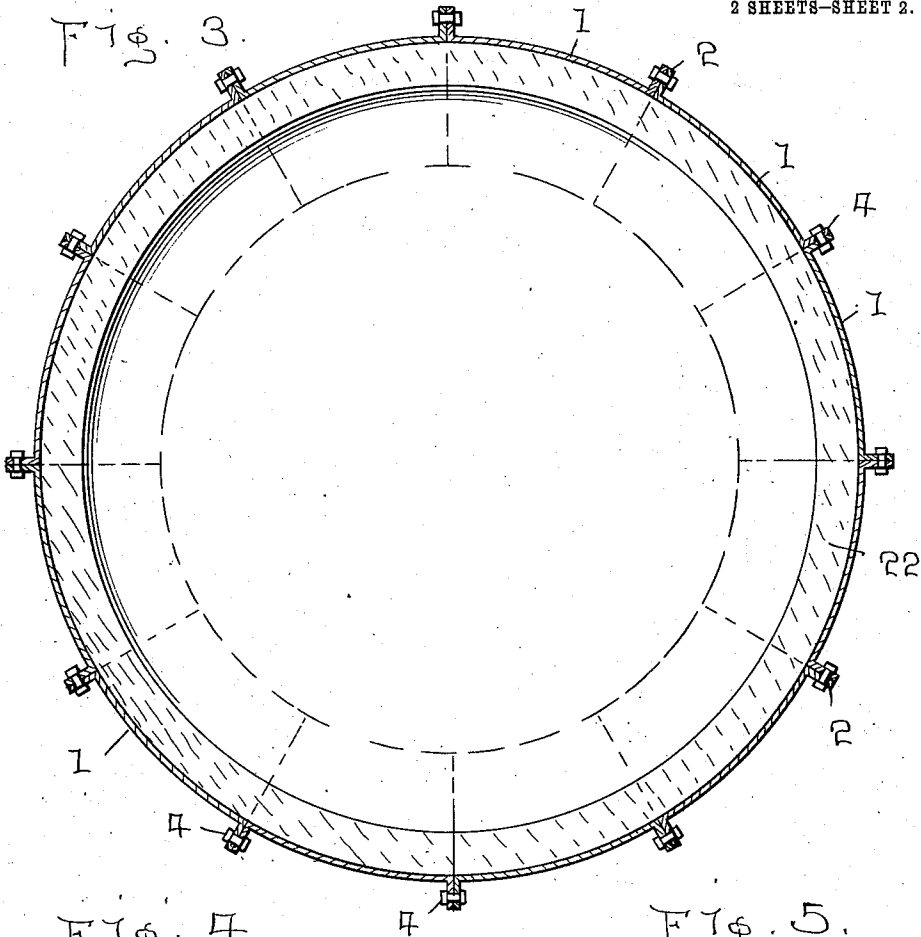
BY *W. J. FitzGerald & Co.*
 Attorneys

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Attorneys

UNITED STATES PATENT OFFICE.

THOMAS J. HARRISON, OF SABULA, IOWA.

FOUNTAIN-MOLD.

1,021,927.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed May 27, 1911. Serial No. 629,773.

To all whom it may concern:

Be it known that I, THOMAS J. HARRISON, a citizen of the United States, residing at Sabula, in the county of Jackson and State of Iowa, have invented certain new and useful Improvements in Fountain-Molds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to fountain molds and more particularly to portable molds for molding fountains of plastic material.

An object of the invention is to provide a mold for molding circular bowls or fountains of plastic material.

Another object is to provide an inner form and an outer form, between which the plastic material may be poured to form a fountain or bowl of circular shape, the surfaces of which will be smooth, and, another object is to provide a fountain mold of the above stated character which will be equally effective in constructing fountains of various diameters.

Other objects and advantages will be hereinafter set forth and pointed out in the specification and claim.

In the accompanying drawings which are made a part of this invention, Figure 1 shows a vertical sectional view through the mold and a portion of the fountain bowl during the construction of the latter. Fig. 2 is a fragmentary horizontal sectional view thereof on the line 2—2 of Fig. 1. Fig. 3 is a horizontal sectional view through the complete bowl with the outer form in position, the inner form and parts supporting the same being removed. Fig. 4 is a detail perspective view of one of the sections of the outside form, showing the side upon which the plastic material rests, while, Fig. 5 is a detail perspective view of one of the sections, showing the outer side and the parallel right angled securing edges.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 represents the sections of which the outer form is composed by placing said sections edge to edge, as will later be more fully described. The sections 1 are preferably formed of metal and have their opposite edges 2 bent outwardly at right angles to the main portion 1 and provided

with suitable apertures 3, through which bolts or other securing means 4 may be passed to lock the joints together. The sections 1 are slightly concave upon their inner faces and are narrower at their lower ends than at their upper ends. The upper and lower ends of the bent edges 2 are beveled, to allow the said beveled lower edges to rest properly upon the concrete or other base 5, and allow the sections to slant outwardly toward their upper ends in order that the bent edges 2 may be properly secured together and thus present an outer form for molding circular fountains, tanks, etc. The upper ends of the edges 2 being beveled, present a smooth upper edge for the outer form.

The inner form consists of one long curved smoothing member 6, somewhat longer than the sections 1 and curved from end to end, the lower one being about one-half of the width of its upper end. The side edges 7 of the member 6 are curved upwardly, the purpose of which will presently appear. Secured to the upper side of the member 6, between the upwardly curved sides 7 thereof and upwardly of the center of the length of said member, is the block 8, while a similar block 9 is secured to the same side, but downwardly of the center of the length of said member, said blocks being about the same distance from the opposite ends of the member. Pivoted to the block 8 is the long horizontally extending bar 10 provided with the spaced apertures 11 from its center to its outer end, the purpose of which will also presently appear. Pivoted to the block 9 is the vertically extending bar 12, which is provided with the spaced apertures 13 adapted to receive therethrough the locking pin 14, which is carried in the enlarged portion 15 of the arm 10, through which also extends said bar 12.

Extending upwardly from the center of the base 5 is the pipe or rod 16, provided with the enlarged portions 17 and 18. The enlargement 18 is adapted to receive therethrough the outer perforated end of the bar 10, after which the pin 19 is passed through said enlargement 18 and one of the perforations 11 of the bar 10 to hold the latter in proper position. Extending upwardly and outwardly at an angle from the enlarged portion 17, is the brace 20, the upper perforated end of which extends within the

path of the bar 10 and between the vertical bar 12 and the pipe or rod 16. The bar 10 extends through the upper perforated end 21 of the brace 20 and is thus braced and supported between the rod or pipe 16 and its connection with the upwardly extending bar 12.

The central rod or pipe 16, or at least the upper part from the enlarged portion 17, is rotatable to allow the smooth plate 6 to be swung in a circle by means of the bar 10 against the plastic material and thus smooth the same for the inner surface of the bowl 22.

In building the fountain or other bowl, the sections 1 are placed with their small ends downwardly upon the platform 5, which may be of plastic or other material, and said sections are slanted outwardly until the lower beveled edges or ends of their turned edges 2 are flat upon the platform and the edges 2 are against the edges of the adjacent sections. The sections are then locked together by the bolts 4, or other locking means, to present the outer form for molding the bowl, it being understood that the proper number of sections have been provided, according to the size of the bowl to be molded. The central rod or pipe 16 is then placed in position and the bar 10 placed through the brace 20 and the enlarged portion 18 of said pipe or rod 16, it being understood that the vertically extending rod 12 has been previously passed through the enlarged portion 15 of the bar 10 and the pin 14 passed therethrough to lock these bars together. The plastic material is then poured between the outer sections 1 and the smoothing plate 6, it being understood that the smoothing plate 6 is moved in a circle to smooth the plastic material and keep the latter pressed against the outer form. As the plate 6 is moved around, more material is poured between said plate and the sections 1 until said material reaches the upper edge of the plate 6 and the sections 1, completing the bowl or tank 22. After the material has set sufficiently the smoothing plate 6 and the bars

connected thereto are removed and, if desired, the center rod or pipe 16 may also be removed. The outer form composed of the sections 1 may be left until the plastic forming the tank 22 is entirely dry and has become a part of the base 5, after which the sections 1 may be disconnected and removed, to be used for constructing another bowl in the same manner.

Thus, it will be seen that I have provided a fountain bowl or tank mold of simple construction and composed of a small number of parts. It will also be seen that the parts may be disconnected and placed in compact form for transportation, storage and other purposes and will serve to mold an indefinite number of bowls.

What I claim is:

A mold for forming a bowl of plastic material comprising a slanting sectional form, means for temporarily connecting said sections, said connected sections being positioned upon a platform and adapted to receive the plastic material upon their inner slanting surface, a rotatable support extending upwardly from the base centrally of said connected sections, a horizontal supporting rod adjustably secured to said rotatable support, means carried by said support for supporting said horizontal rod outwardly of said upwardly extending support, a curved smoothing plate pivotally secured to one end of said horizontal rod, a vertical rod pivoted to said smoothing plate and adjustably secured through said horizontal rod, said smoothing plate being adapted to be swung by said horizontal rod to smooth material upon the inner surfaces of said connected sections to form a smooth inner surface of a bowl, and means for temporarily locking together said rods and support.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS J. HARRISON.

Witnesses:

GLENN S. DAY,
HARRY MILLER.