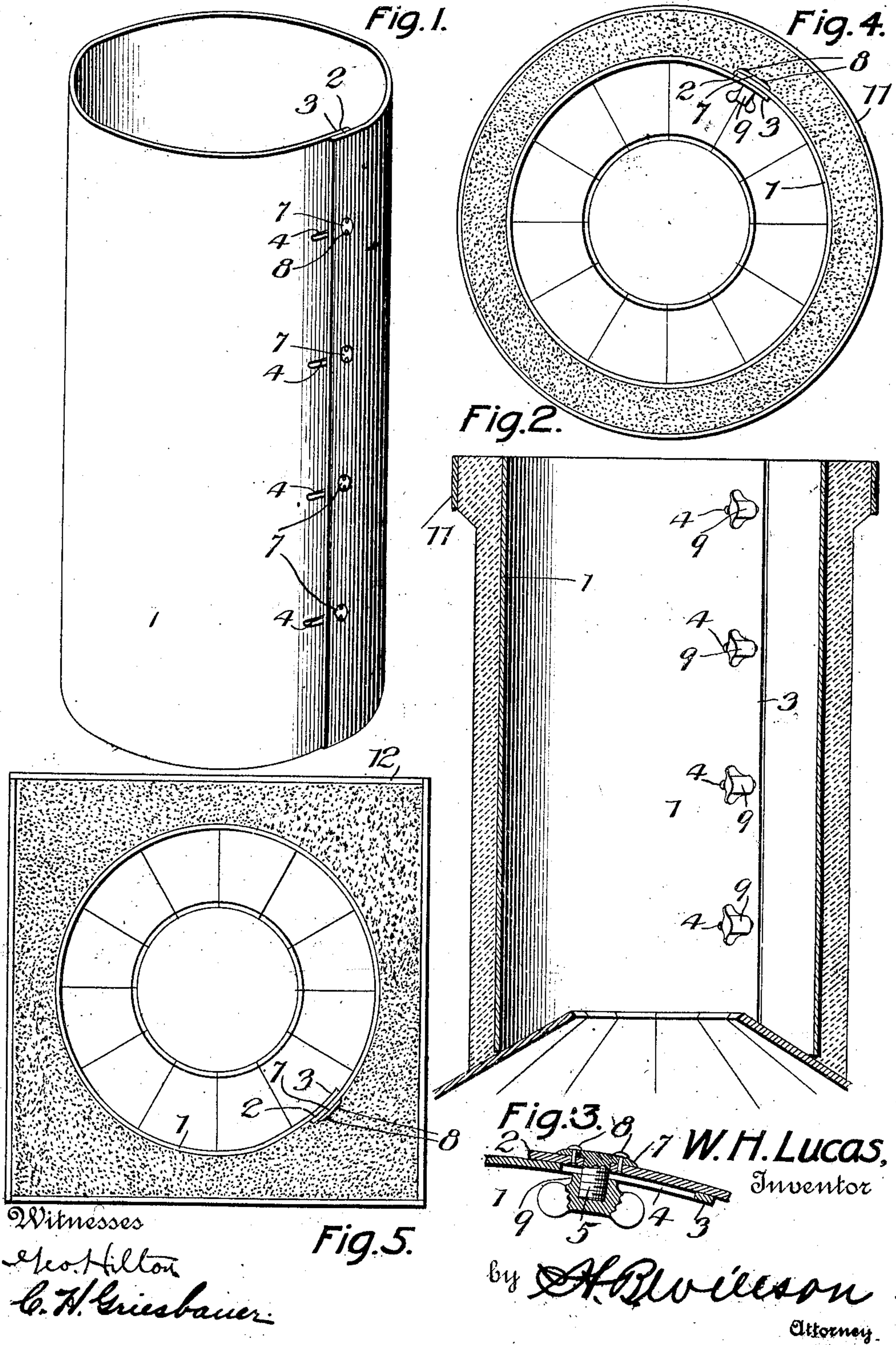


No. 822,140.

PATENTED MAY 29, 1906.

W. H. LUCAS.
WELL PIT MOLD FRAME.
APPLICATION FILED OCT. 30, 1905.



UNITED STATES PATENT OFFICE.

WILLIAM H. LUCAS, OF NEWARK, OHIO.

WELL-PIT-MOLD FRAME.

No. 822,140.

Specification of Letters Patent.

Patented May 29, 1906.

Application filed October 30, 1905. Serial No. 285,208.

To all whom it may concern:

Be it known that I, WILLIAM H. LUCAS, a citizen of the United States, residing at Newark, in the county of Licking and State of Ohio, have invented certain new and useful Improvements in Well-Pit-Mold Frames; and I do 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 improvements in molds for forming the mouths or necks upon cisterns, catch-basins, and similar structures of concrete or other plastic material.

The object of the invention is to provide a simple, durable, and inexpensive mold of this character which may be adjusted to form mouths or necks of different diameters upon a concrete cistern or other structure.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved form or mold. Fig. 2 is a vertical sectional view through the same. Fig. 3 is a detail transverse sectional view, on a larger scale, taken on a plane intersecting one of the slots in the mold-body and also partially intersecting one of the screws and nuts; and Figs. 4 and 5 are plan views showing the mold in use for forming cisterns with round and square tops.

My improved form or mold 1 is adapted for use in connection with molds for forming cisterns, wells, catch-basins, and similar structures of concrete, and it is adapted to be supported in a vertical position upon the converging top sections of such a mold, as shown in Fig. 2 of the drawings. The mold 1 is formed, preferably, from a rectangular piece of sheet-steel, galvanized iron, or the like by bending the same so as to form a cylinder and adjustably securing its overlapping edges 2 3. This adjustable connection between the overlapping edges is preferably effected by forming in the inner edge a longitudinal series of transversely-extending slots 4 and by providing upon the other edge inwardly-extending screw-studs 5, which are adapted to project through said slots. Each screw-stud 5 consists of a threaded body which passes through an opening in the edge 2 and which has upon its outer end a large flat head 7. The latter, as clearly shown in Fig. 3 of the

drawings, is secured upon the outer face of the edge 2 by a series of rivets 8, so that the screw-stud is firmly attached to said edge or portion 2. The threaded portions of the screw-studs are adapted to receive winged nuts 9, the inner ends of which impinge against the inner face of the inner portion 3, so as to clamp said studs at any adjusted point in the slots 4, and thus adjustably secure the overlapping edges 2 3. By providing this adjustable connection it will be seen that the interior diameter of the mouth or neck of the concrete cistern or the like may be varied as desired.

In using the form or mold 1 the concrete is packed around the same and the top or upper end of the mouth or neck of the cistern may be formed circular, as shown in Figs. 2 and 4, or square, as shown in Fig. 5. In the former case an annular band or ring 11 is employed, and in the latter case a square frame 12 of wood is preferably employed.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The herein-described mold comprising a cylindrical metal body portion 1, having overlapping edges, the innermost edge being provided with transversely-extending slots 4, screws 5, provided with heads 7, secured to the outer overlapping edge of the body portion by means of rivets 8, said screws 5 extending through the slots 4 and fitted with winged nuts 9 for adjusting the size of the body portion, and a ring 11 fitted around the upper end of the cistern outside the body portion 1, essentially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM H. LUCAS.

Witnesses:

J. HOWARD JONES,
D. M. KELLER.