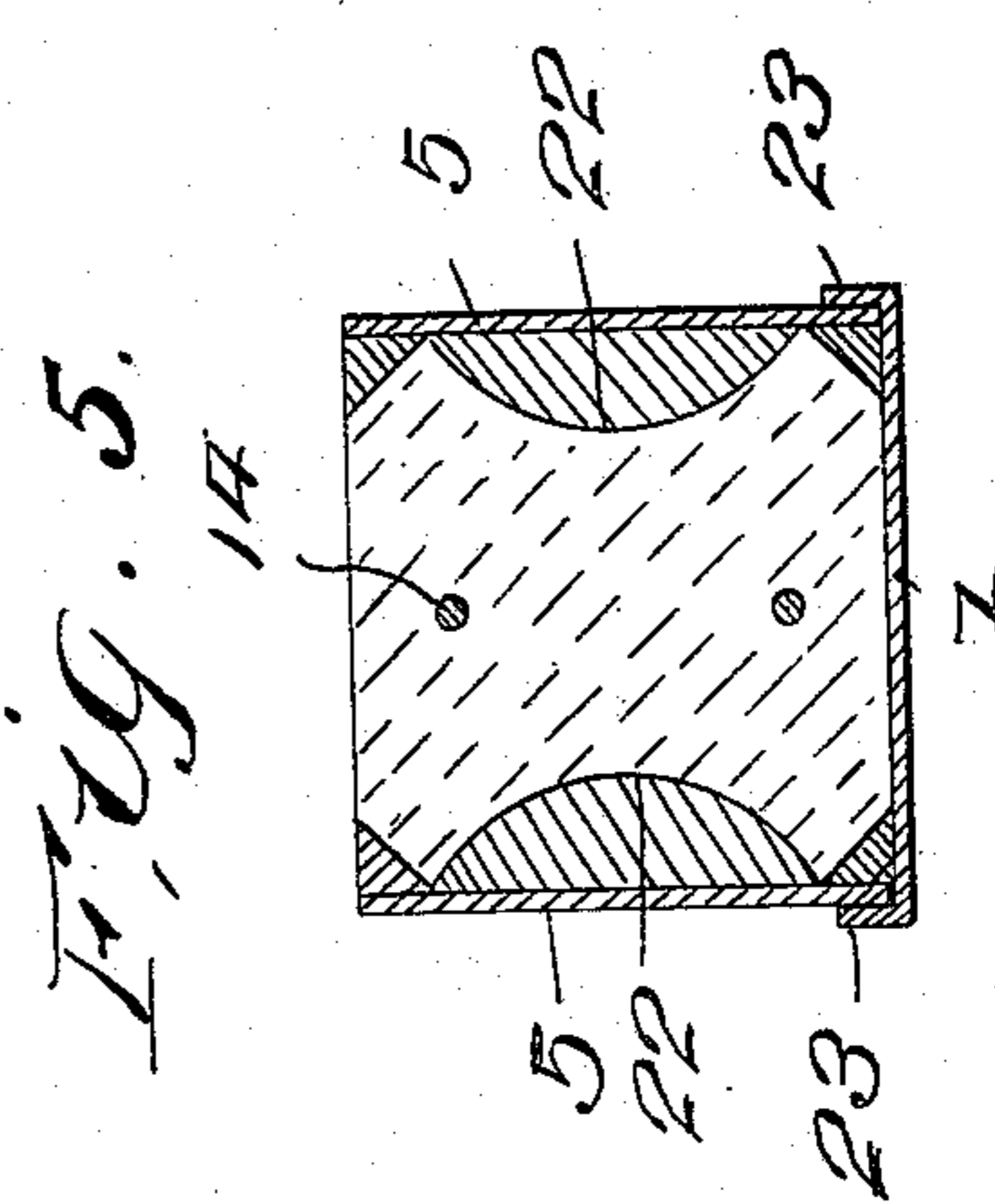
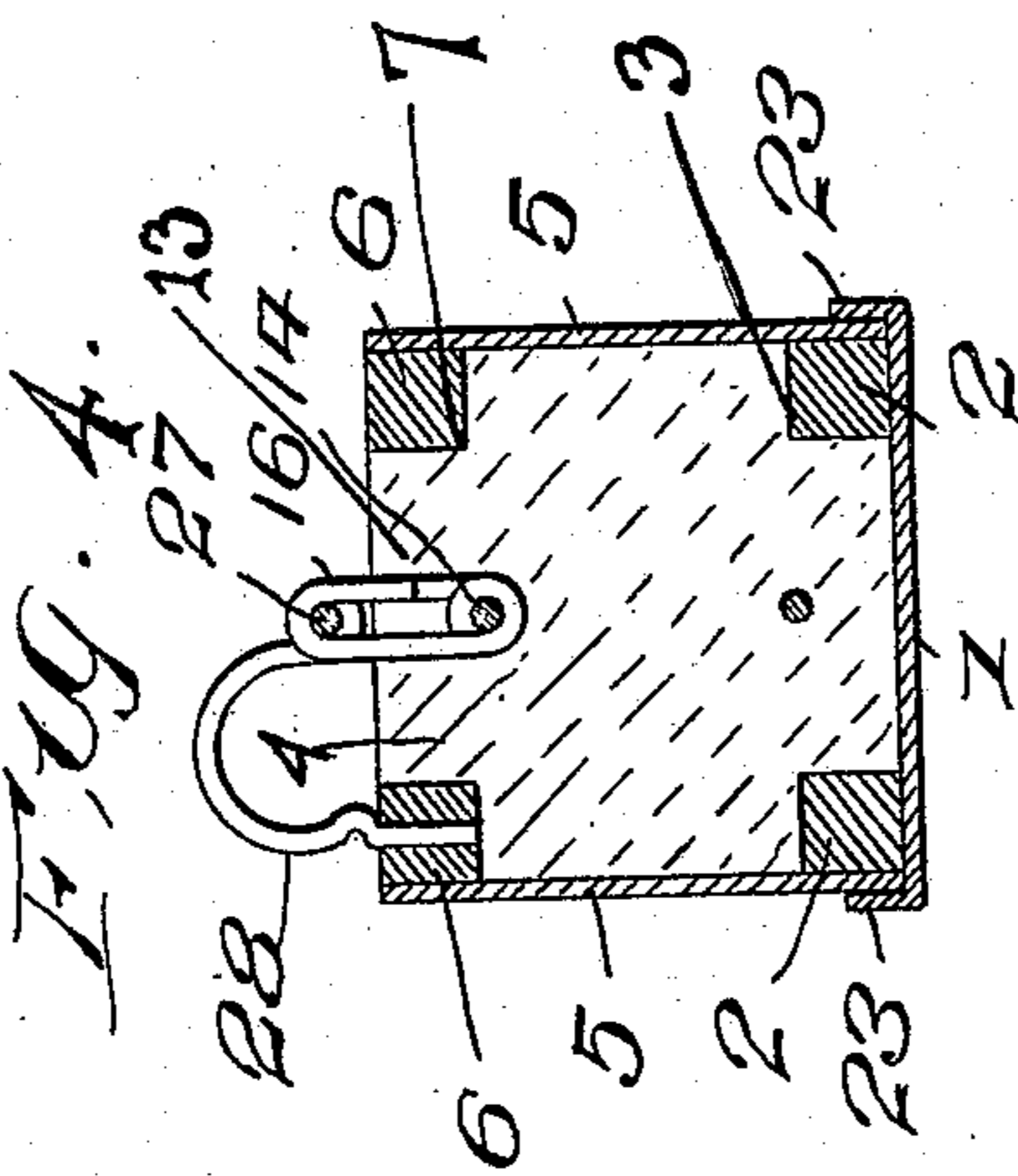
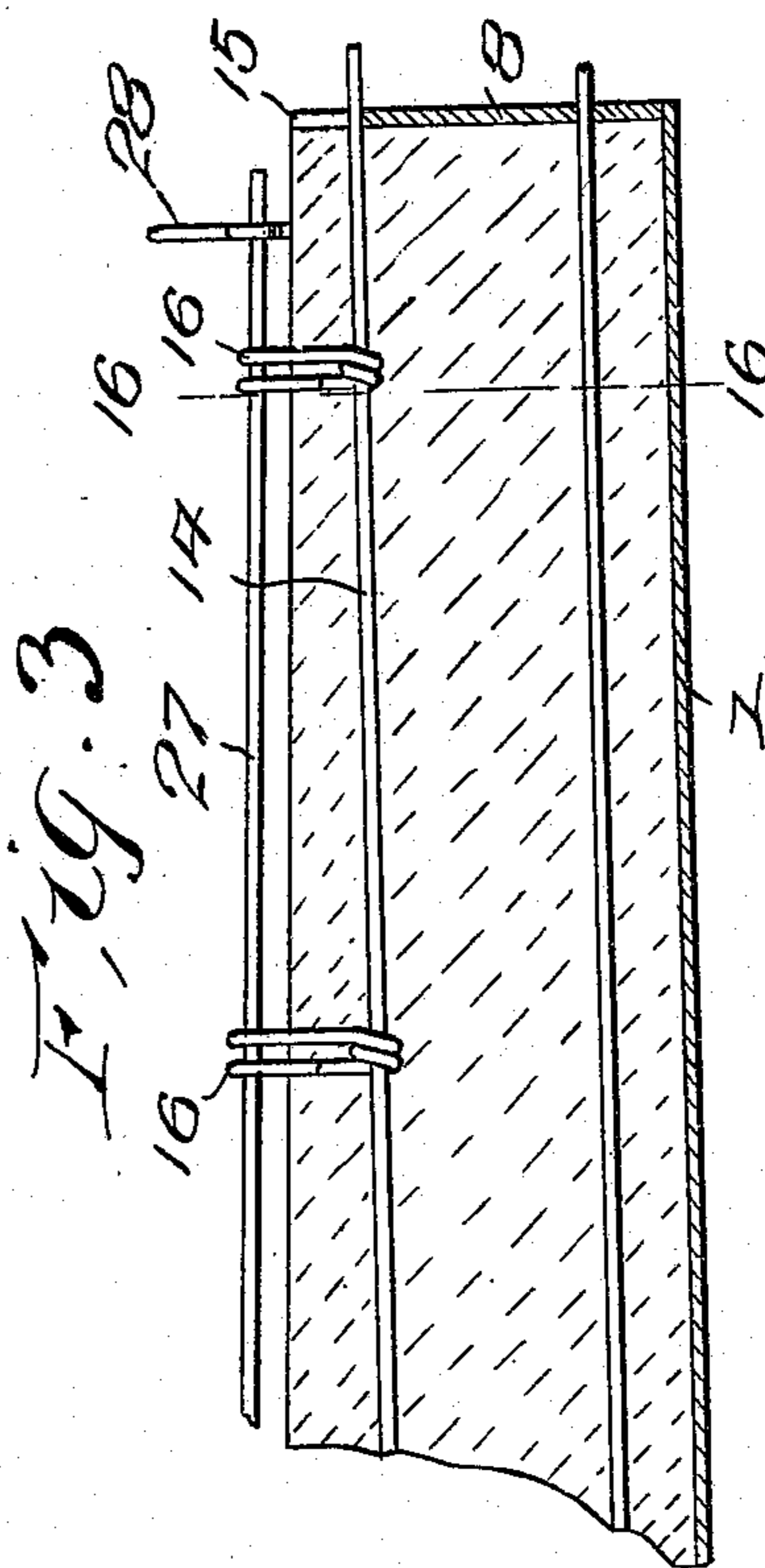
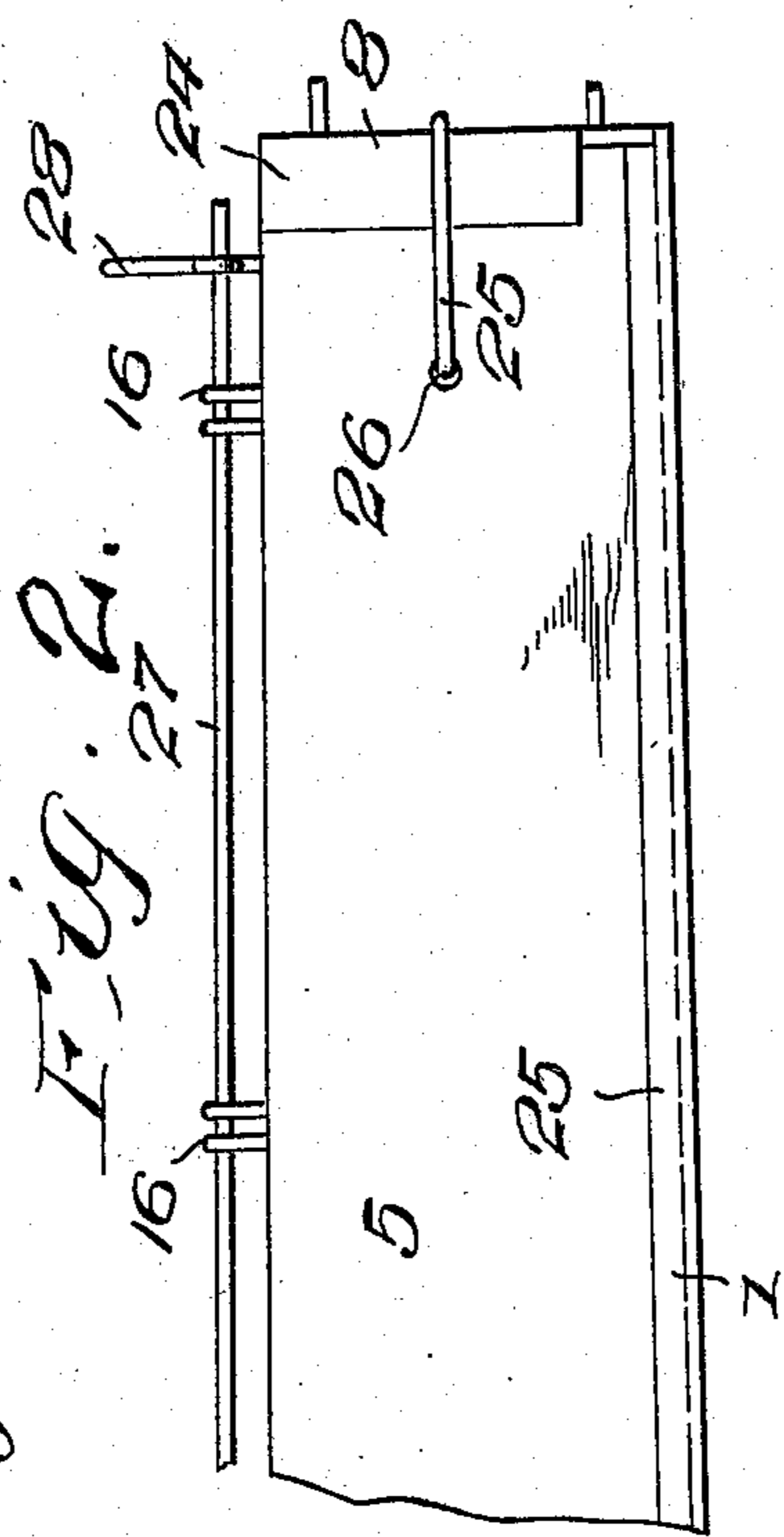
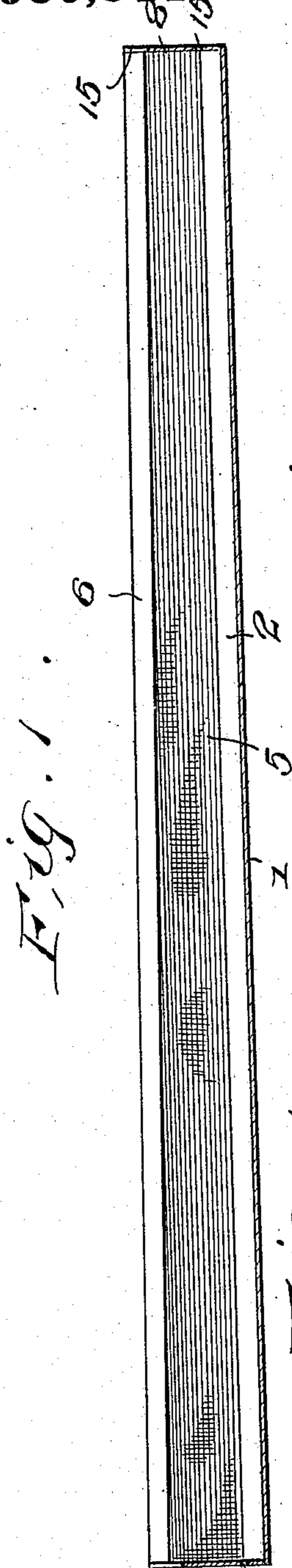


W. H. CRUM.
MOLDING APPLIANCE.
APPLICATION FILED AUG. 24, 1907.

Patented Aug. 10, 1909.

930,844



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UNITED STATES PATENT OFFICE.

WILLIAM H. CRUM, OF HOUSTON, TEXAS.

MOLDING APPLIANCE.

No. 930,844.

Specification of Letters Patent.

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Application filed August 24, 1907. Serial No. 389,966.

To all whom it may concern:

Be it known that I, WILLIAM H. CRUM, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Molding Appliances; 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.

My invention relates to new and useful improvements in molds and more particularly to that class adapted to be used for molding fence posts of plastic material and my object is to provide a mold of this class, whereby the posts may be formed in various shapes and having a variety of depressions therein.

A further object is to provide means for supporting stay rods, so that the same will be surrounded by plastic material when the post is formed.

A further object is to provide means for securing staples to the post and a still further object is to provide means whereby the parts of the mold may be readily assembled or separated, when desired.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings which are made a part of this application, Figure 1 is a longitudinal, sectional view through the mold. Fig. 2 is a side elevation of one end thereof. Fig. 3 is a central, vertical sectional view showing a post in the mold. Fig. 4 is a sectional view as seen on line 16—16, Fig. 3, and, Fig. 5 is a sectional view showing devices therein for forming a post of different contour.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the base of my improved mold, the edges of which are slightly tapered toward one end, whereby a tapered post will be formed.

Secured to the upper face of the base 1 are rails 2, which extend substantially the full length of the base 1 and are adapted to form depressions 3 at two corners of the post 4. Extending longitudinally of the base 1 and engaging the outer faces of the rails 2 are plates 5, the upper, inner edges of said plates having extensions 6 thereon, which

are adapted to correspond with the rails 2 and form depressions 7 at the opposite corners of the post. The base 1 is also provided with end walls 8 and 9, against which the ends of the side plates 5 rest.

The extensions 6 are spaced apart to form an opening 13 through which the plastic material is introduced to form the post and in order to reinforce the post and prevent the same from disintegrating, a plurality of reinforcing rods 14 are embedded in the post and to accomplish this result, when the post is being molded, the ends of the rods are inserted into bores 15 in the end walls 8 and 9, thereby supporting the rods and retaining the same in a proper position while the post is being formed. It is also desirable to secure wire-holding staples to the post and so embed the same therein that but a small portion of the staples will be exposed and to this end, the staples 16 are formed of a section of wire and so bent as to form loops, one end of the staple being secured around one of the reinforcing rods, while the opposite end thereof is extended slightly beyond the outer edge of the post, so that the line wires forming the fence may be readily secured thereto.

The base 1 is provided along its longitudinal edges with flanges 23, between which and the rails 2, fit the plates 5 and the end walls 8 and 9 are also provided with flanges 24, which engage the outer faces of the plates 5, the end walls being held in position by means of spring arms 25 fixed to the end walls, the inner or free ends of which are adapted to enter bores 26 in the plates. The staples 16 are secured to the upper reinforcing rod 14 and extended through the opening 13, said staples being held in position while the plastic material is being introduced into the mold by extending a rod 27 lengthwise of the mold and through the upper ends of the staples, said rods being supported by means of curved brackets 28, carried by one of the extensions 6, at the upper edges of the plates 5, thereby dispensing with the mortises 17 in the base 1.

In Fig. 5 of the drawings, the ribs 22 on the plates 5 are provided with curved faces, so that a concave depression will be formed in two sides of the post.

It will further be seen that the mold may be readily and quickly assembled and positively held in its assembled position while the post is being formed and it will likewise be seen that the parts of the mold may be easily removed to release the post.

What I claim is:

A mold of the character described, having brackets secured adjacent the ends of the longitudinal side of the mold, said brackets being of approximately semi-circular form and projecting above the mold, said brackets being so formed as to have their free portion above the mold centrally thereof and adjacent the plane of the upper longitudinal edges and a link suspending rod carried by

said brackets extending longitudinally of the mold.

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

WILLIAM H. CRUM.

Witnesses:

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