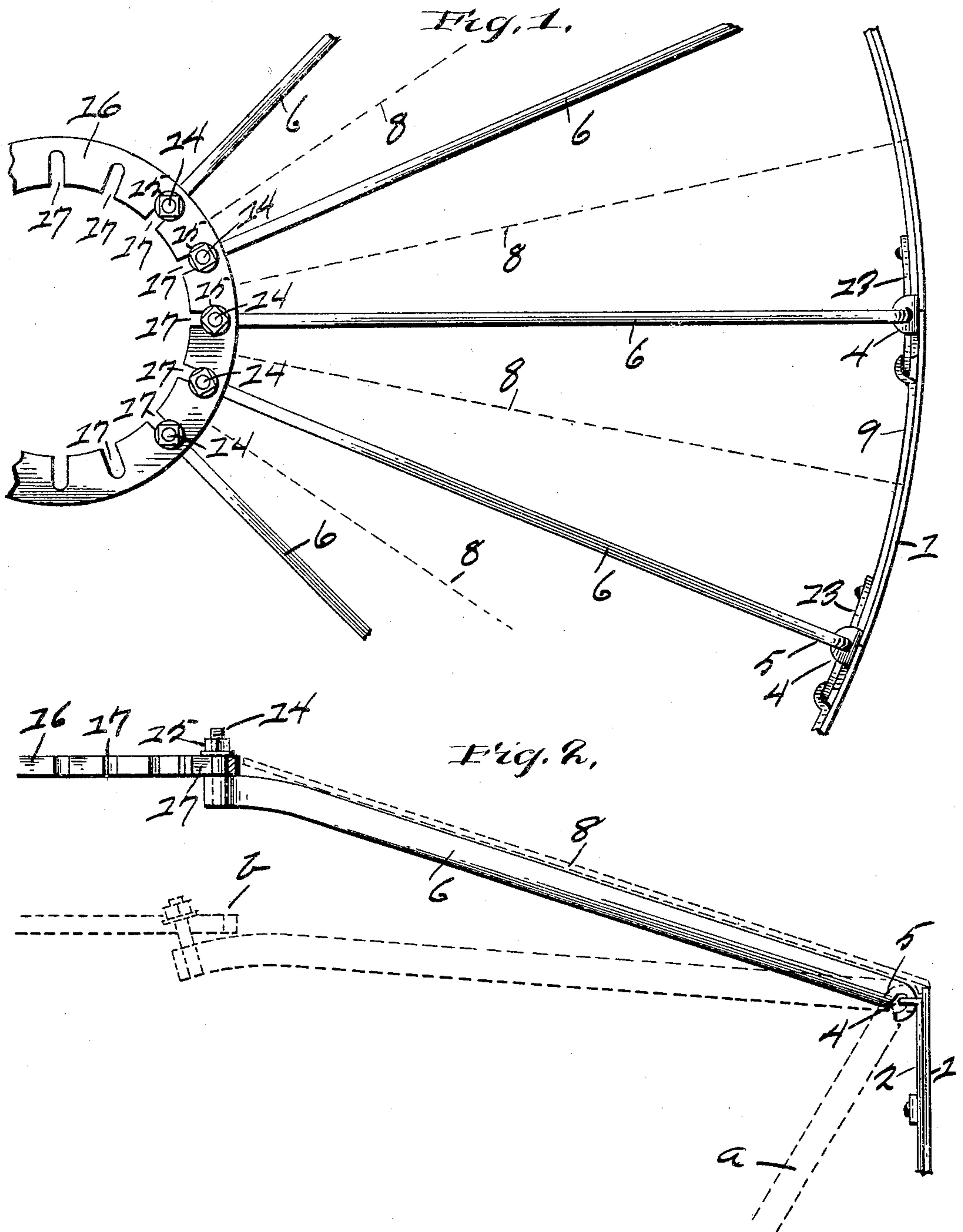


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APPLICATION FILED FEB. 14, 1907.

929,825.

Patented Aug. 3, 1909.
2 SHEETS—SHEET 1.



Witnesses.

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M. A. Tracy.

Inventor.

Newman Bronhard
By *Carl H. Keller* atty.

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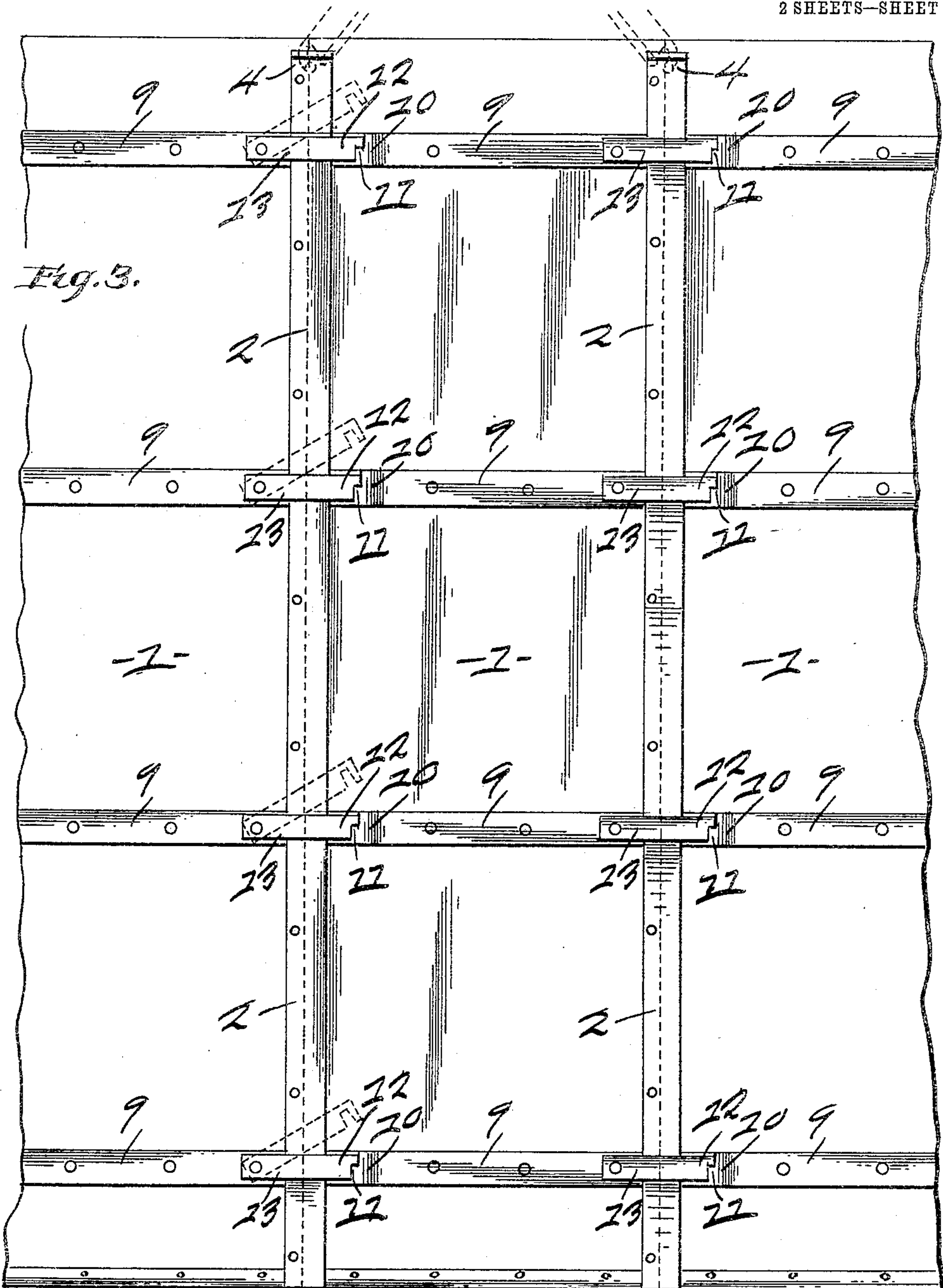
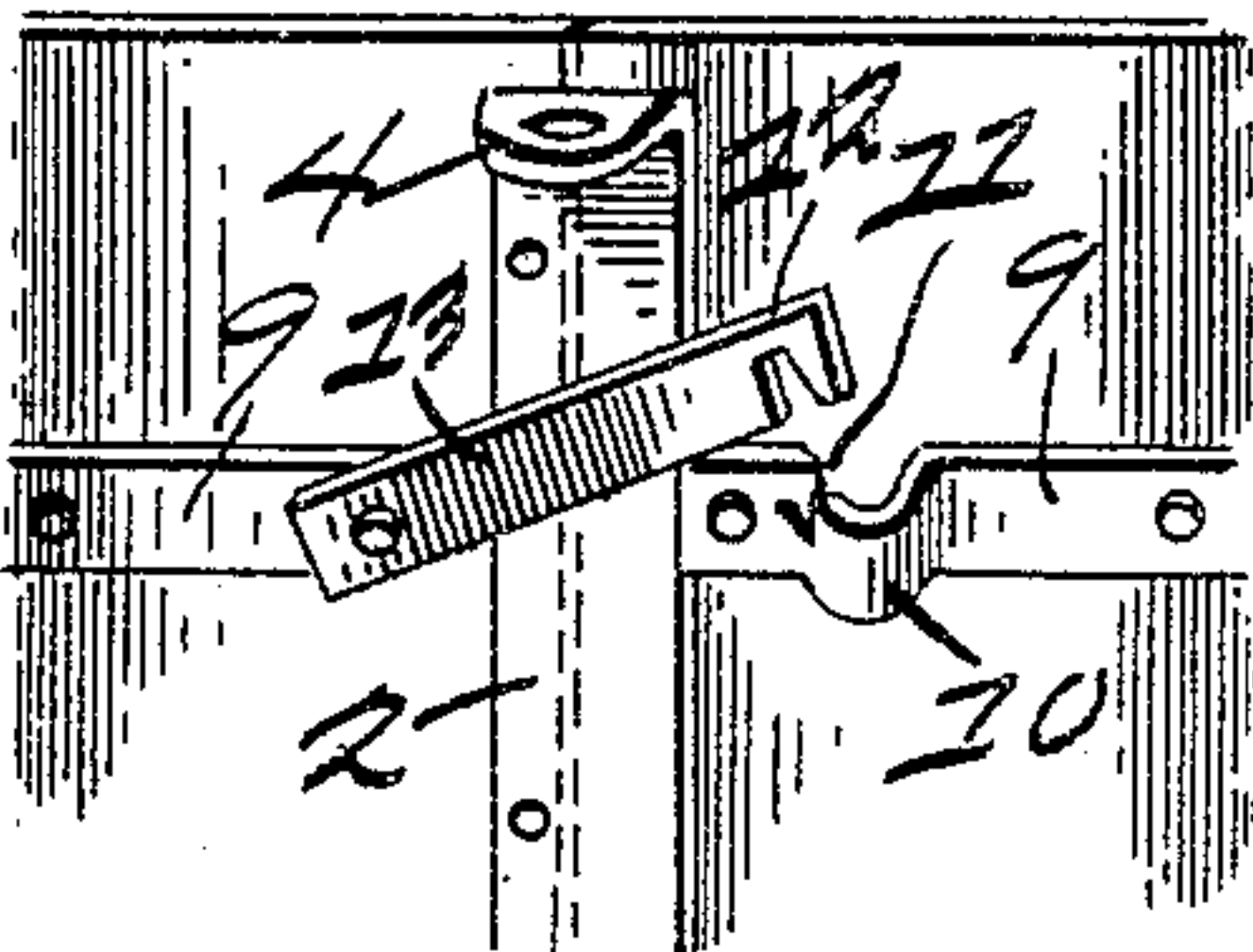


Fig. 4.



Witnesses,
F. M. Brass.
M. A. Tracey

Inventor:
Newman Bronhard
By Carl H. Keller
att'y.

UNITED STATES PATENT OFFICE.

NEWMAN BRONHARD, OF TOLEDO, OHIO.

CEMENT-CISTERN MOLD.

No. 929,825.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed February 14, 1907. Serial No. 357,237.

To all whom it may concern:

Be it known that I, NEWMAN BRONHARD, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful
5 Improvements in Cement-Cistern Molds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use
10 the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in cement-cistern molds, and it embodies the novel combination, arrangement and details of construction hereinafter shown, described and claimed.

In the accompanying drawings illustrative of the invention Figure 1 is a plan view illustrating my improved construction for supporting the dome of the cistern; Fig. 2 is a side elevation of the same, the central ring being in section; Fig. 3 is an elevation showing the side walls or sections of the mold and illustrating my improved fastening for the same; Fig. 4 is a perspective view of the fastening.

Referring to the details, 1 indicates the elongated rectangular sections or plates which when fastened together edge to edge constitute a cylindrical form for the cistern walls. Each section or plate 1 has riveted to one of its side edges a strip of metal 2
35 overlapping the edge of the adjoining plate and thereby effectively excluding the semi-liquid concrete material from passing through between the abutting edges of the plates. At its upper end the strip 2 is bent
40 angularly and formed with an eye 4 to receive the hooked end 5 of the rods 6 constituting the supports for the dome plates, indicated in dotted lines 8, Figs. 1 and 2. To the plates 1 are secured at intervals transverse metal strips 9 each of which is provided with an arch or bend 10 near one end and having a notch 11 to receive the hooked end 12 of a latch 13 pivoted near the edge of the adjoining plate. By thus protecting
50 the free end of the latch so as to lie beneath the transverse strip when fastened, the pos-

sibility of the hook of the latch becoming unfastened by accidental contact, is eliminated. The rods 6, as before stated, are provided with hooked ends to engage the eyes 55 4 at the upper ends of the strips 2, it being required in assembling the dome supports to first lower the rods to the position in dotted lines *a*, Fig. 2, before the hooks on the ends of the rods may be connected with 60 the eyes 4. At their inner ends the rods 6 are provided with screw-threaded upwardly projecting studs 14 having securing nuts 15 thereon, and 16 is a flattened ring having radial slots 17 opening inwardly through 65 the inner edge of the ring, the arrangement being such that the parts being assembled as in Figs 1 and 2, and the nuts upon the studs being tightened against the face of the ring, the rods 6 will be rigidly held in place 70 and the dome plates firmly supported. When the concrete which forms the dome has hardened sufficiently, the nuts 15 are unscrewed, when the rods 6 which support the dome plates, and also the ring 16 may be lowered 75 into the completed cistern, as indicated in dotted lines *b*, Fig. 2, the studs upon the inner ends of the rods moving radially inward along the slots in the ring until they are entirely free. By now lowering the rods the 80 hooked ends may be disconnected from the eyes 4.

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

In a cistern mold, a plurality of rectangular plates, strips secured along the edge of each plate, the strips formed with eyes at their upper ends, and a dome support comprising a plurality of radial rods detachably 90 secured at their inner ends and having hooks provided at their outer ends to connect with said eyes, the hooked outer ends being incapable of disengagement from the eyes when elevated, substantially as described. 95

In testimony, that I claim the foregoing as my own I affix my signature, in presence of two witnesses.

NEWMAN BRONHARD.

Witnesses:

CARL H. KELLER,
M. A. TRACEY.