

J. H. SMITH.

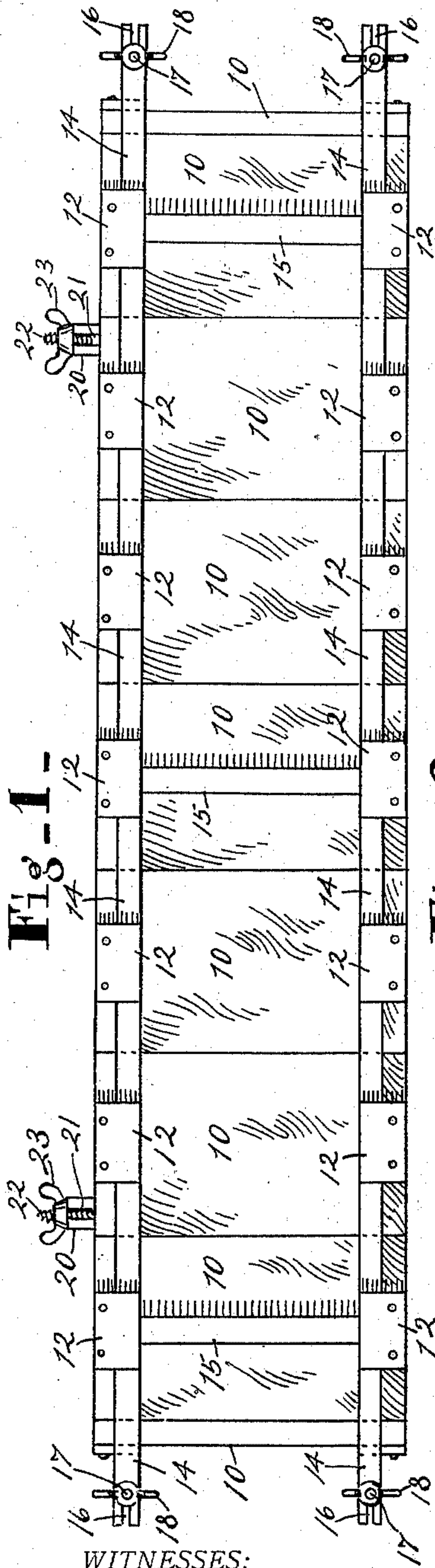
MOLD.

APPLICATION FILED NOV. 29, 1907. RENEWED JAN. 6, 1910.

966,961.

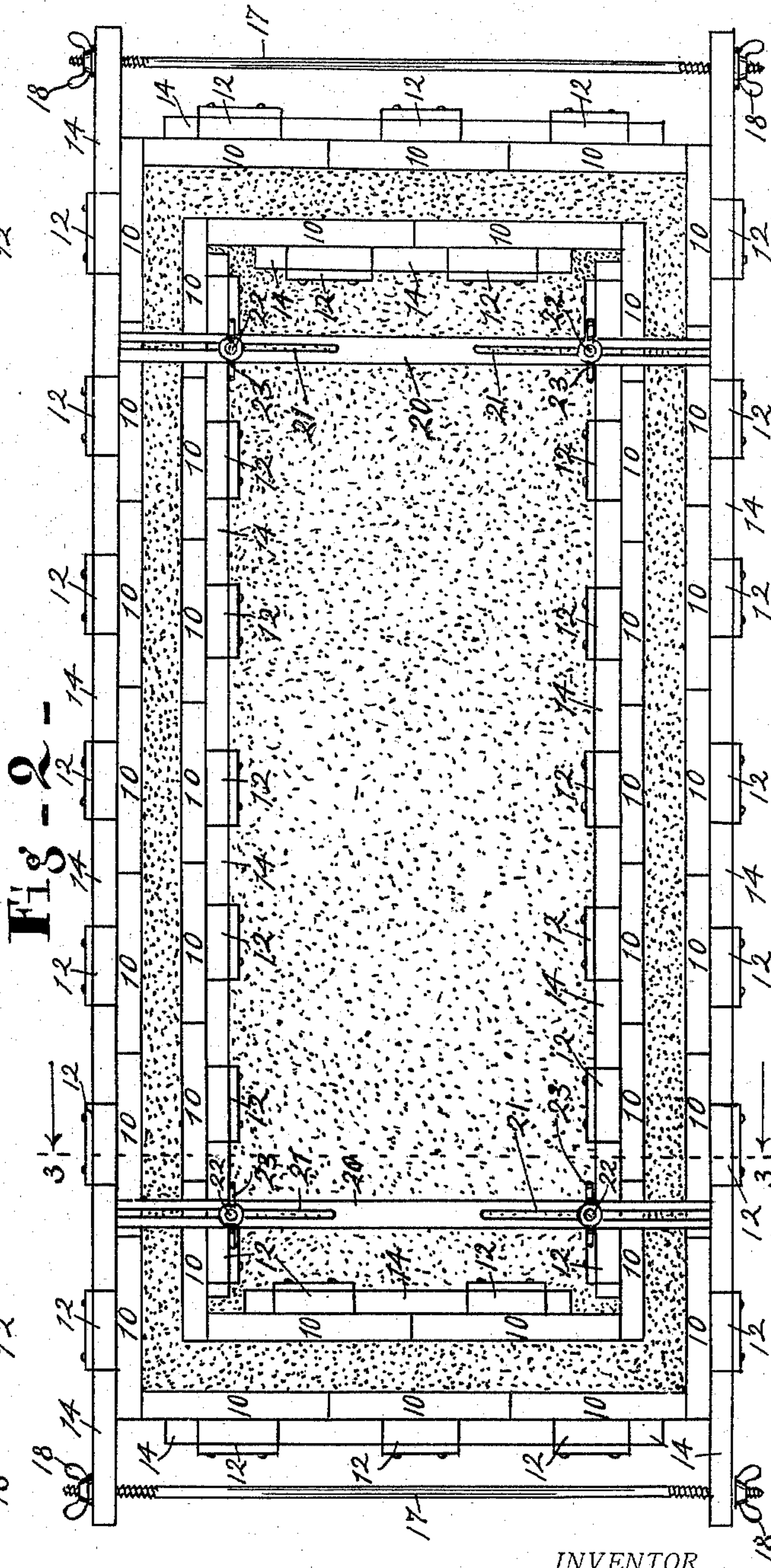
Patented Aug. 9, 1910.

2 SHEETS—SHEET 1.



WITNESSES:

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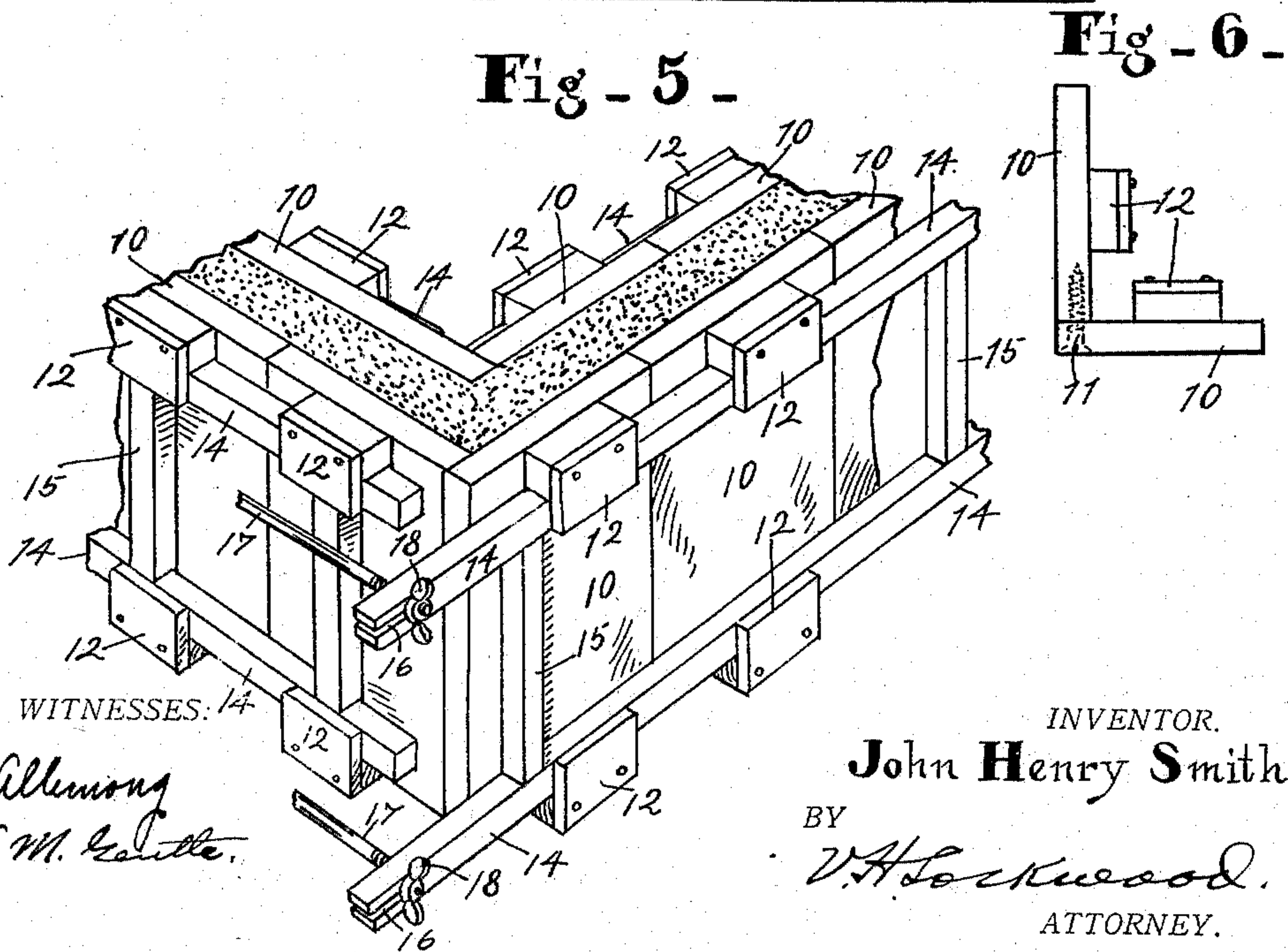
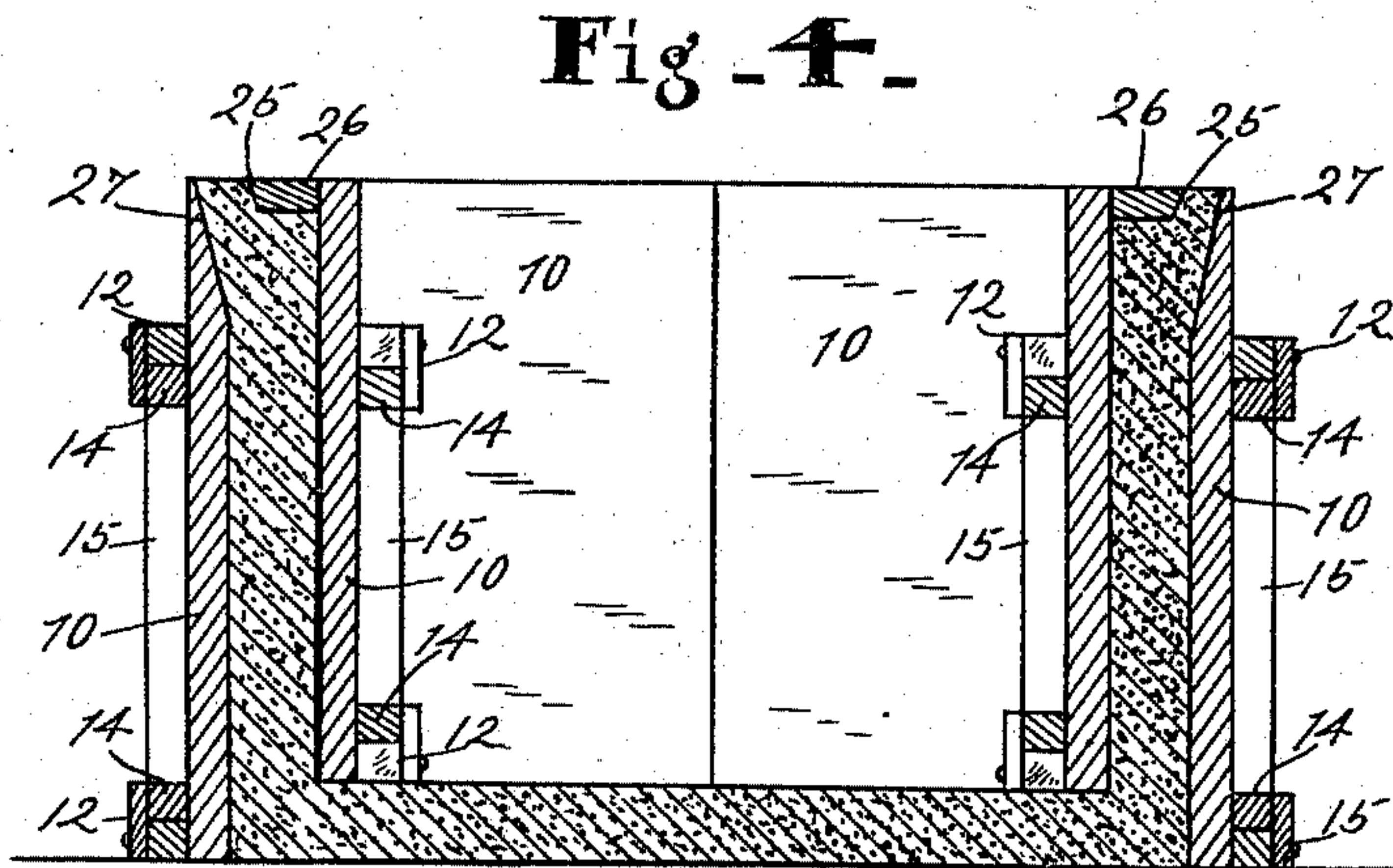
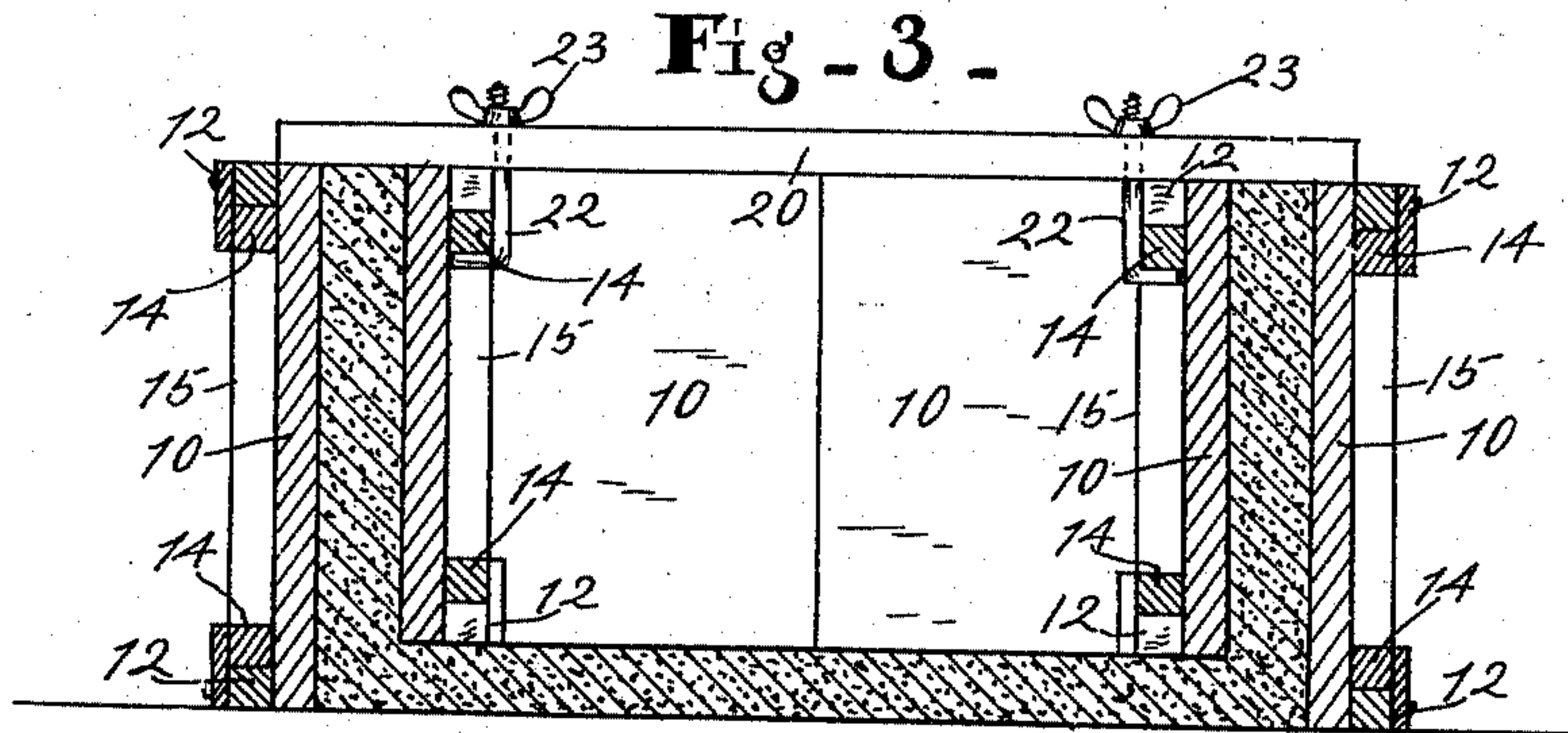
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2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

JOHN HENRY SMITH, OF GREENFIELD, INDIANA, ASSIGNOR TO INDIANA CONCRETE BURIAL VAULT COMPANY, OF INDIANAPOLIS, INDIANA, COPARTNERSHIP.

MOLD.

966,961.

Specification of Letters Patent.

Patented Aug. 9, 1910.

Application filed November 29, 1907, Serial No. 404,260. Renewed January 6, 1910. Serial No. 536,740.

To all whom it may concern:

Be it known that I, JOHN HENRY SMITH, of Greenfield, county of Hancock, and State of Indiana, have invented a certain new and useful Mold; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like numerals refer to like parts.

10 The object of this invention is to provide an improved arrangement of molds for the formation of burial vaults, cement receptacles and other cement or concrete structures, or structures of plastic material.

15 One feature of this invention consists in the means for clamping or temporarily securing the mold sections in place to form the sides or ends thereof. This means consists in providing on the upper and lower ends of each mold section oppositely projecting cleats so as to form upper and lower horizontal rows of said cleats, a longitudinal bar inserted under each row of cleats and vertical bars wedged between the horizontal bars.

25 This means for fastening the mold sections on each side and each end is adapted not only for the exterior but also for the interior mold employed in making cement or concrete receptacles, like burial vaults. Such fastening means is readily put in place and readily removed so that sections can be inserted or removed at pleasure and the dimensions of the molds be thereby adjusted.

35 In the drawings Figure 1 is a side elevation of the mold. Fig. 2 is a plan view of the mold adapted to form cement and other receptacles with cement therein. Fig. 3 is a transverse section on the line 3—3 of Fig. 2. Fig. 4 is a transverse section of the same modified to be adapted to make cement burial vaults. Fig. 5 is a perspective view of one corner of the double molds with cement between them. Fig. 6 is a plan view of one corner of the inner mold shown in 40 Fig. 2, indicating by dotted lines the means for fastening the corner sections together.

45 It is observed that in forming receptacles like burial vaults, two molds are required, an inner and an outer mold, as shown. 50 These molds are formed of vertical sections, the corner sections being secured together as by the screw 11 indicated in Fig. 6. The intermediate sections forming the ends or sides are independent of each other and independent of the corner sections. These sec-

tions are all preferably of the same dimensions so that they are interchangeable and some of them may be readily removed or inserted to diminish or increase the length or width of the mold.

60 On each section 10 there is near the top a downwardly projecting cleat 12 and near the bottom an upwardly projecting cleat 12. All of the cleats are similarly placed on the sections 10 so that there is formed an upper horizontal row of cleats and a lower horizontal row of cleats. Within these two rows of cleats horizontal bars 14 are inserted extending the full length of the mold. Vertical wedge bars 15 are inserted between 65 the upper and lower horizontal bars 14 so as to hold them in their respective rows of cleats and yet be immediately removable.

70 To strengthen the exterior molds shown the bars 14 are extended beyond the ends and provided with slots 16 to receive tie rods 17 that are tightened up by the nuts 18, whereby the side bars 14 are thrown toward each other.

75 The inner mold is formed like the exterior mold excepting that the cleats and fastening means are on the inside instead of the outside. The inner mold is held in position relative to the outer mold, or centered, by the cross bars 20 that rest upon the outer mold and are longitudinally slotted at 21 to receive the clamping bolts 22, see Fig. 3, that have ends turned under the bars 14 and nuts 23 for drawing or tightening up said bars.

80 With the construction so far described burial vaults may be made but if it be desired to provide a seat for the lid of the burial vault, the upper portions of the sides and ends of the burial vault are widened or thickened as shown in Fig. 4, and a groove 25 formed along the inner edge by the bars 26. The thickened upper portions of the mold may be formed by properly shaping the sections 10 already described, or by 85 beveling the sections 10 of the outer mold, as at 27.

90 What I claim as my invention and desire to secure by Letters Patent is:

1. A mold formed of vertically disposed sections, cleats on the ends of said sections that project toward each other, horizontal bars in the upper and lower series of cleats, and means for holding said bars in place.

2. A mold formed of vertically disposed

sections, cleats on the ends of said sections that project toward each other, horizontal bars in the upper and lower series of cleats, and vertically disposed bars wedged between
5 said horizontal bars.

3. A mold formed of vertically disposed sections, cleats on the ends of said sections that project toward each other, horizontal bars in the upper and lower series of cleats,
10 vertically disposed bars wedged between said horizontal bars, said horizontal bars being extended beyond the ends of the molds, and removable horizontal tie rods for drawing said bars toward each other.

15 4. A mold formed of vertically disposed sections, the corner sections being secured together and the intermediate sections being independent of the other sections, cleats on the ends of said sections that project toward
20 each other, horizontal bars in the upper and lower series of cleats, and vertically disposed bars wedged between said horizontal bars.

25 5. The combination of an outer and an inner mold for forming cement receptacles, the outer mold being formed of vertically disposed sections, cleats on the ends of said sections that project toward each other, horizontal bars in the upper and lower series

of cleats, vertically disposed bars wedged 30 between said horizontal bars, the inner mold being formed similarly to the outer mold excepting that the fastening means is on the inside instead of the outside thereof, and means for spacing and holding said inner 35 mold in proper relation to the outer mold.

6. The combination of an outer and an inner mold for forming cement receptacles, the outer mold being formed of vertically 40 disposed sections, cleats on the ends of said sections that project toward each other, horizontal bars in the upper and lower series of cleats, vertically disposed bars wedged between said horizontal bars, the inner mold 45 being formed similarly to the outer mold excepting that the fastening means is on the inside instead of the outside thereof, longitudinally slotted bars upon said molds, and clamping rods extending through said 50 slots and engaging some part of the inner mold for holding it in place.

In witness whereof, I have hereunto affixed my signature in the presence of the witnesses herein named.

JOHN HENRY SMITH.

Witnesses:

N. ALLEMONG,
OLIVE BREEDEN.