

No. 772,932.

PATENTED OCT. 25, 1904.

G. H. GLOVER.
CONCRETE WALK.

APPLICATION FILED JULY 25, 1904.

NO MODEL.

Fig. 1.

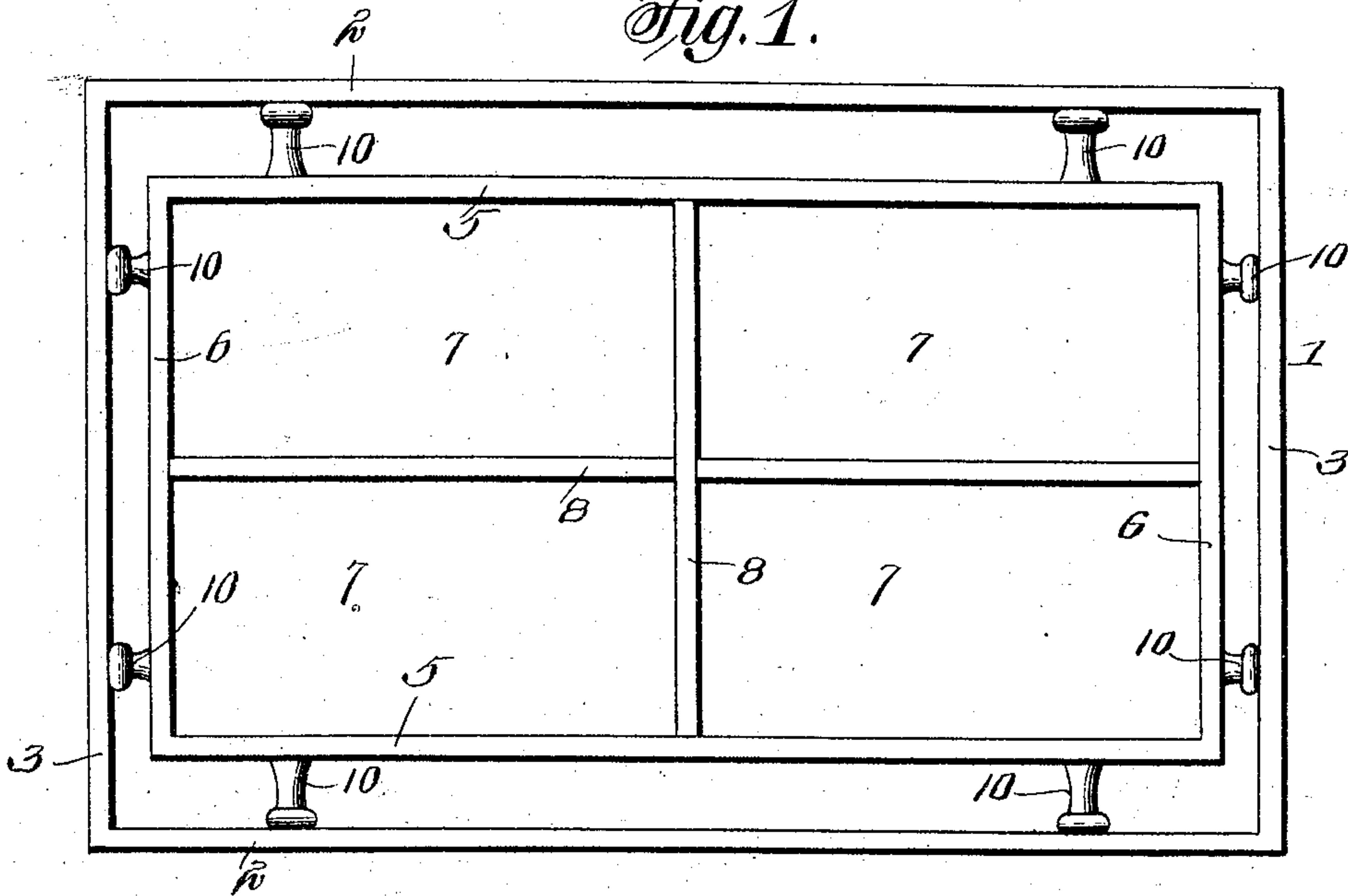


Fig. 2.

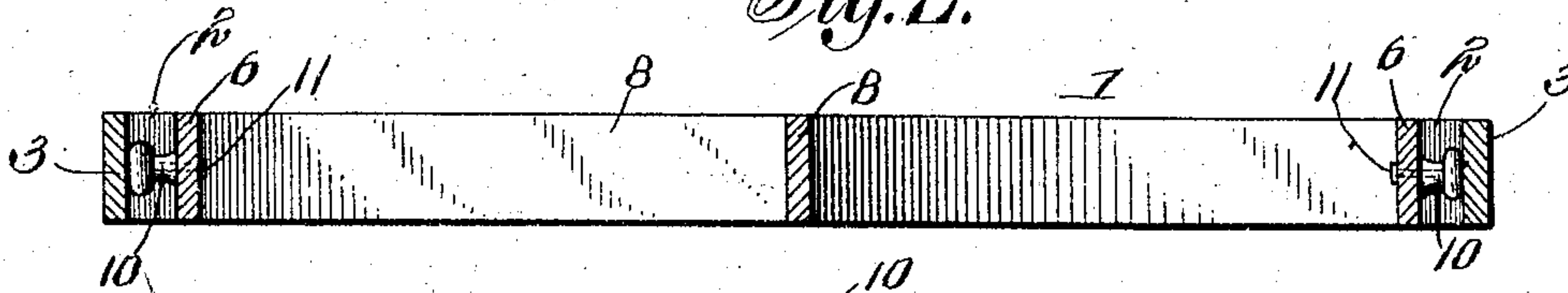


Fig. 3.

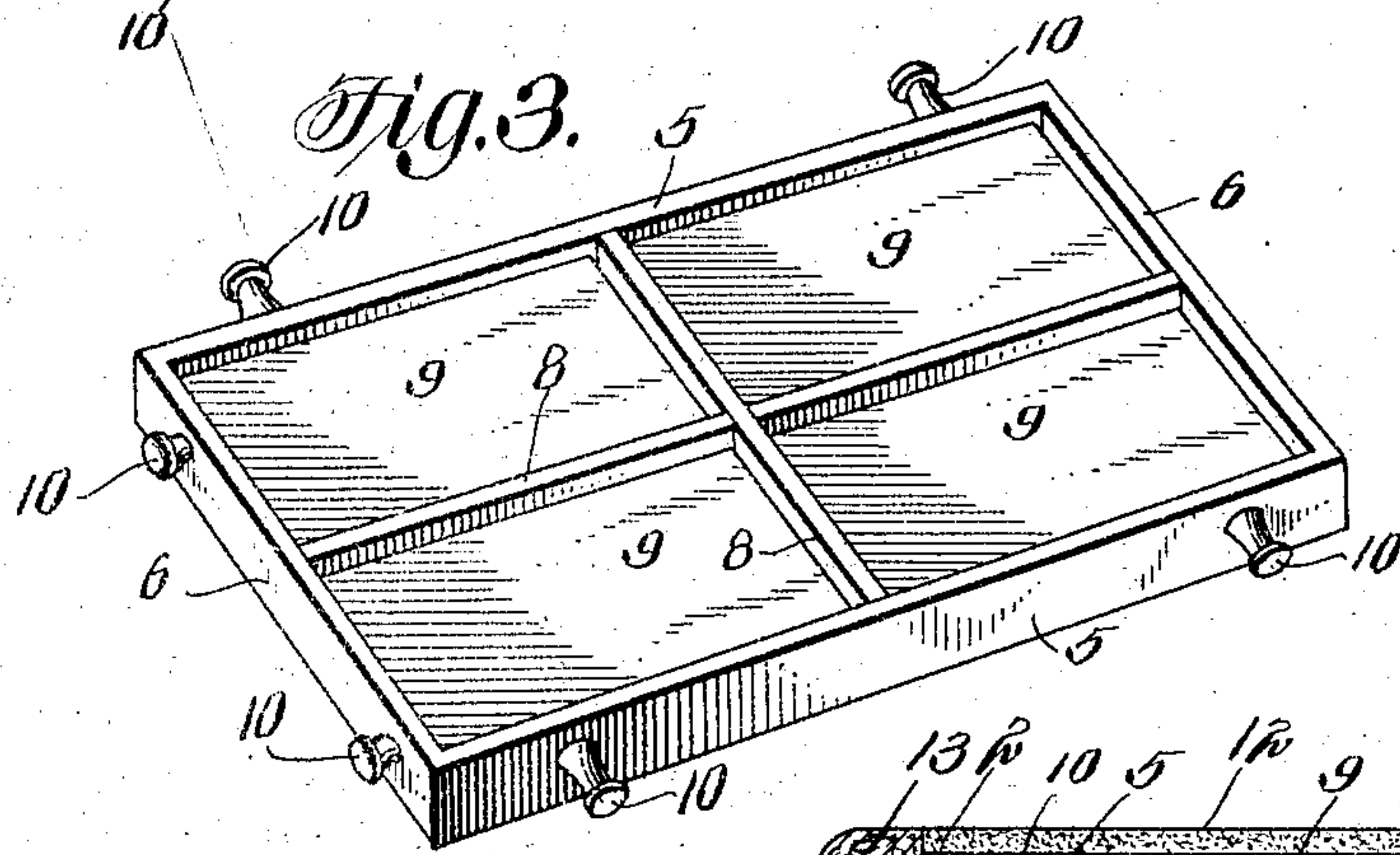
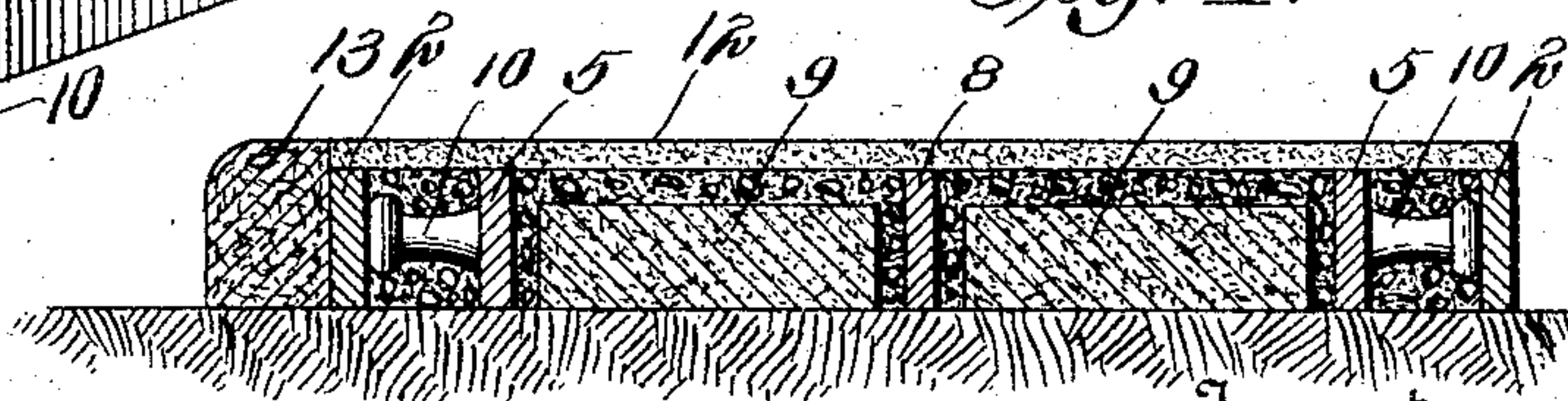


Fig. 4.



Witnesses

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GEORGE H. GLOVER, OF SHELDON, IOWA.

CONCRETE WALK.

SPECIFICATION forming part of Letters Patent No. 772,932, dated October 25, 1904.

Application filed July 25, 1904. Serial No. 218,063. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. GLOVER, a citizen of the United States, residing at Sheldon, in the county of O'Brien and State of Iowa, have invented certain new and useful Improvements in Concrete Walks; 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.

My invention relates to concrete or cement sidewalks; and one object of the same is to provide means for reducing the labor, and therefore correspondingly decreasing the cost, of putting down concrete or composite walks.

Another object is to provide efficient and inexpensive means for dispensing to a considerable extent with the preparatory labor in providing the bases or foundations of walks of this character.

These and other objects are obtained by means of the construction illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the framework of a sidewalk made in accordance with my invention. Fig. 2 is a longitudinal section through the same. Fig. 3 is a perspective view of the inner or brick frame, the bricks or blocks being shown in place. Fig. 4 is a transverse section of a completed sidewalk made in accordance with my invention.

Referring to the drawings for a more detailed description of the invention, the numeral 1 designates the outside frame, which may be made up of wooden strips or scantling arranged to form a rectangular inclosure, the side pieces 2 being of greater length than the end pieces 3 and the entire frame being of such size that a predetermined number of inner or brick frames may be placed therein. The outer frame is held in place by the pegs 4 at the corners and at suitable intervals to provide a firm structure. This frame may be erected upon a base or foundation previously prepared, or the earth may be leveled off within the frame. For general purposes and in places where fairly solid ground exists it will not be necessary to prepare a foundation for the walk, and it is one of the ad-

vantages of my structure that much of this preparatory labor may be dispensed with.

The inner frame consists of a rectangular wooden structure comprising sides 5 5, ends 6 6, and any suitable number of compartments 7, formed by partitions or strips 8. The compartments 7 are of a size to contain a brick 9 lying flatwise upon the foundation and to provide sufficient space around the brick to permit the cement or concrete covering to run in the interstices. It will be noticed that the inner frame and the outer frame are of substantially the same height and that the inner frame projects slightly above the bricks 9.

Secured at suitable distances apart upon the outside of the sides 5 5 and ends 6 6 of the inner or brick frame are knobs 10, said knobs being attached to the wooden strips 5 6 by means of nails 11. The purpose of these knobs is to hold the inner frame firmly in place within the outer frame and to serve as anchors for the plastic material or cement which fills the space between the outer and inner frames.

The covering may be made of cement and crushed stone or other materials and may be of the required consistency to run into all the interstices, covering the brick and frames. The outer layer or coating 12 may be of any required thickness above the bricks and frames.

To finish the sidewalk and to cover the edge of the lower side piece 2 of the outer frame, a strip or molding 13 may be secured thereto, or a curbing of suitable construction may be used to finish the structure.

From the foregoing it will be noted that I provide a firm foundation for the sidewalk by means of the inner frame and the inclosed bricks and that the cost is considerably reduced both in labor required and cost of materials necessary, especially in view of the durability attained and the saving in time in construction.

It will be understood that a comparatively low grade of brick may be utilized for my purpose, or brick which have been recovered from demolished buildings.

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

1. A sidewalk composed of an outer frame, 5 an inner frame, anchors bridging the space between said frames, bricks within the inner frames, and a concrete covering.

2. A sidewalk composed of an outer wooden frame, an inner wooden frame having a series 10 of compartments, a series of anchors extending from the inner frame to the outer frame, bricks in the compartments, and a plastic covering for the frames and bricks, substantially as described.

15 3. A sidewalk consisting of a wooden outer frame, a frame having a series of compart-

ments placed within the outer frame, a series of knobs attached to the inner frame and extending to the inner wall of the outer frame to space the frames apart and to serve as an- 20 chors for the plastic material, bricks in the compartments, and plastic material filling the spaces and covering the frames, substantially as described.

In testimony whereof I have hereunto set 25 my hand in presence of two subscribing witnesses.

GEORGE H. GLOVER.

Witnesses:

F. E. FRISBEE,

F. W. BLOXHAM.