

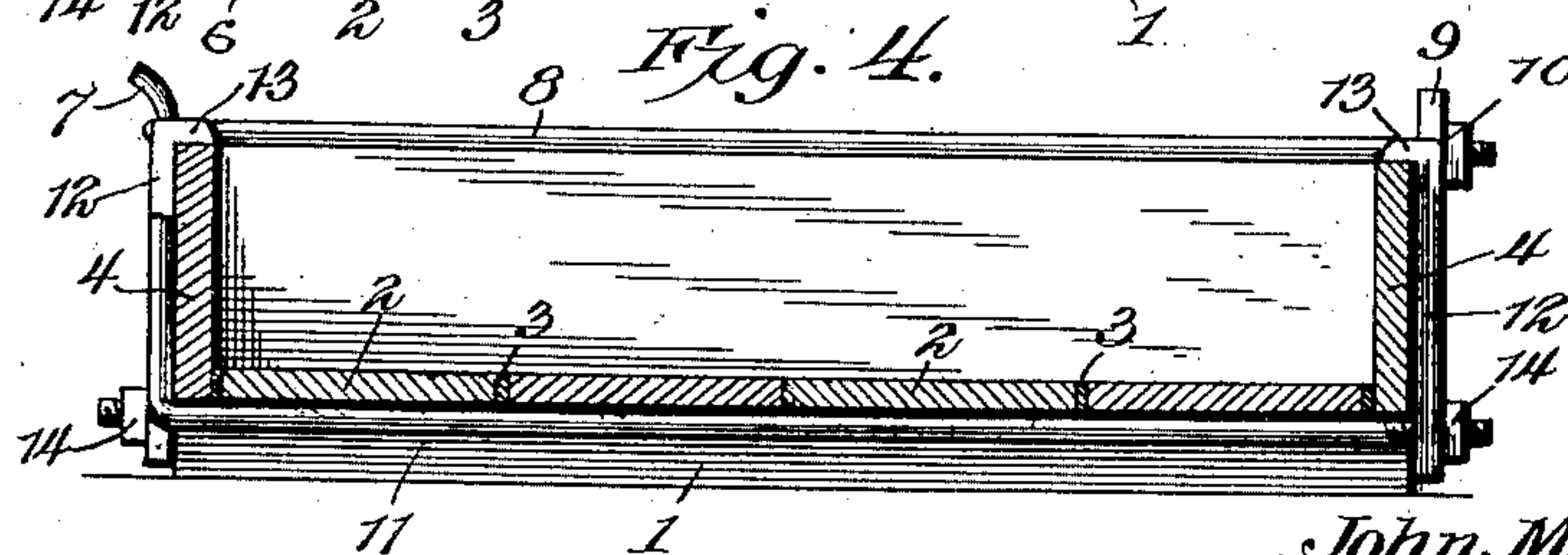
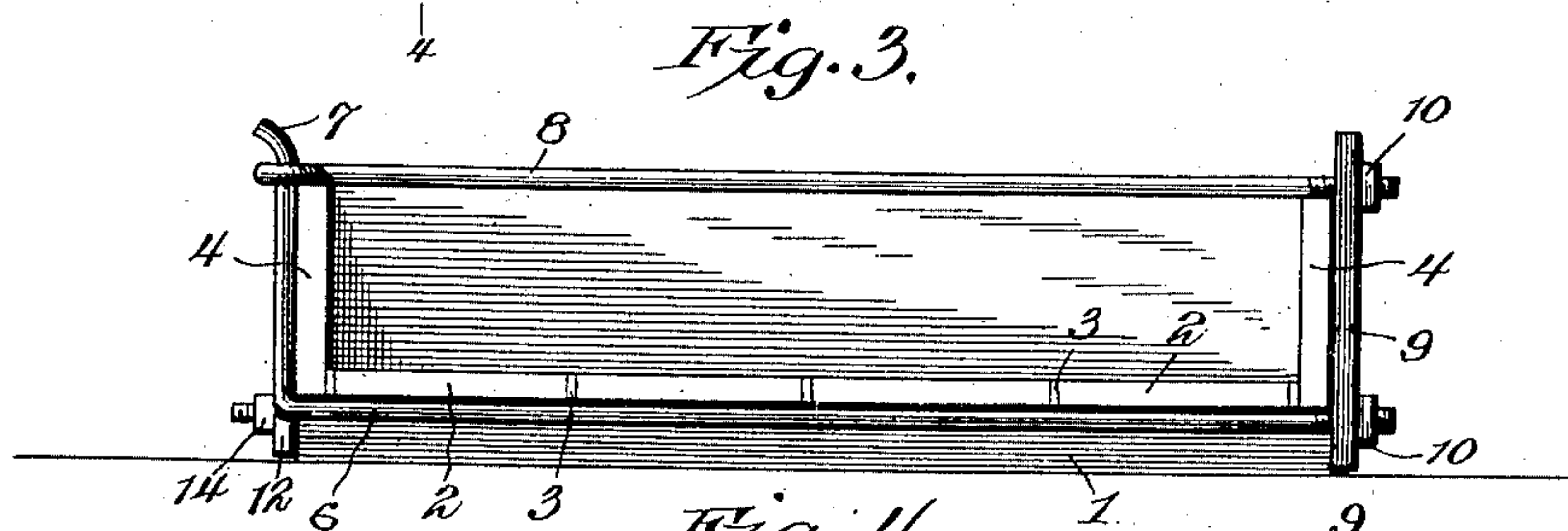
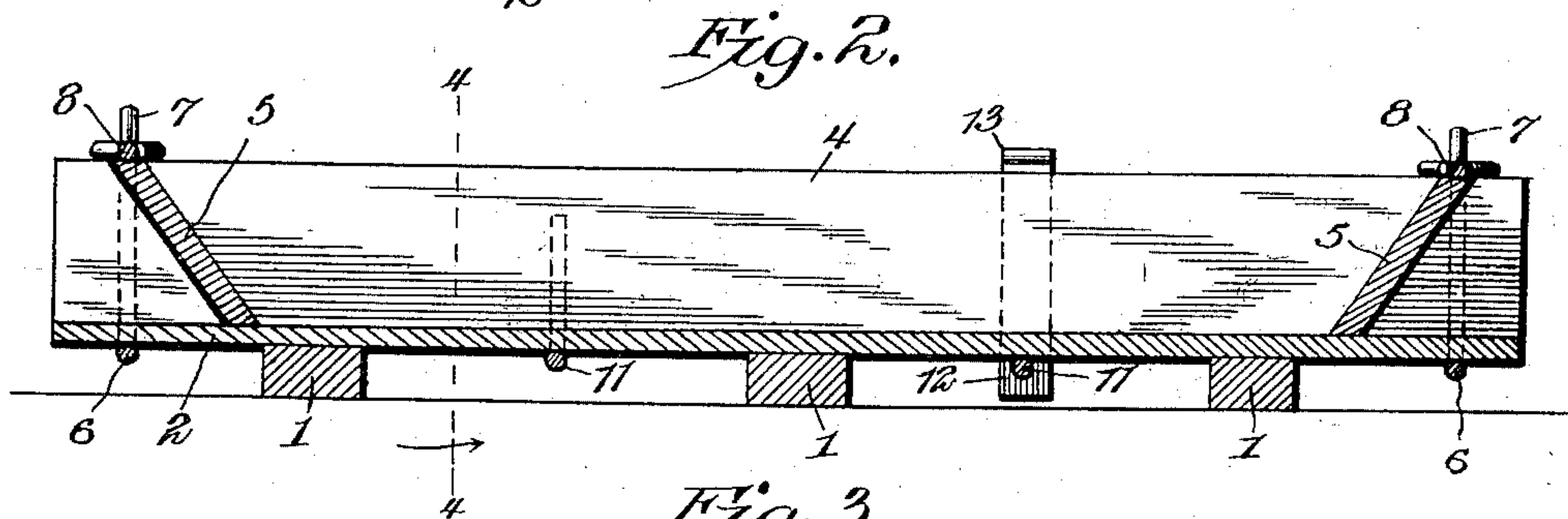
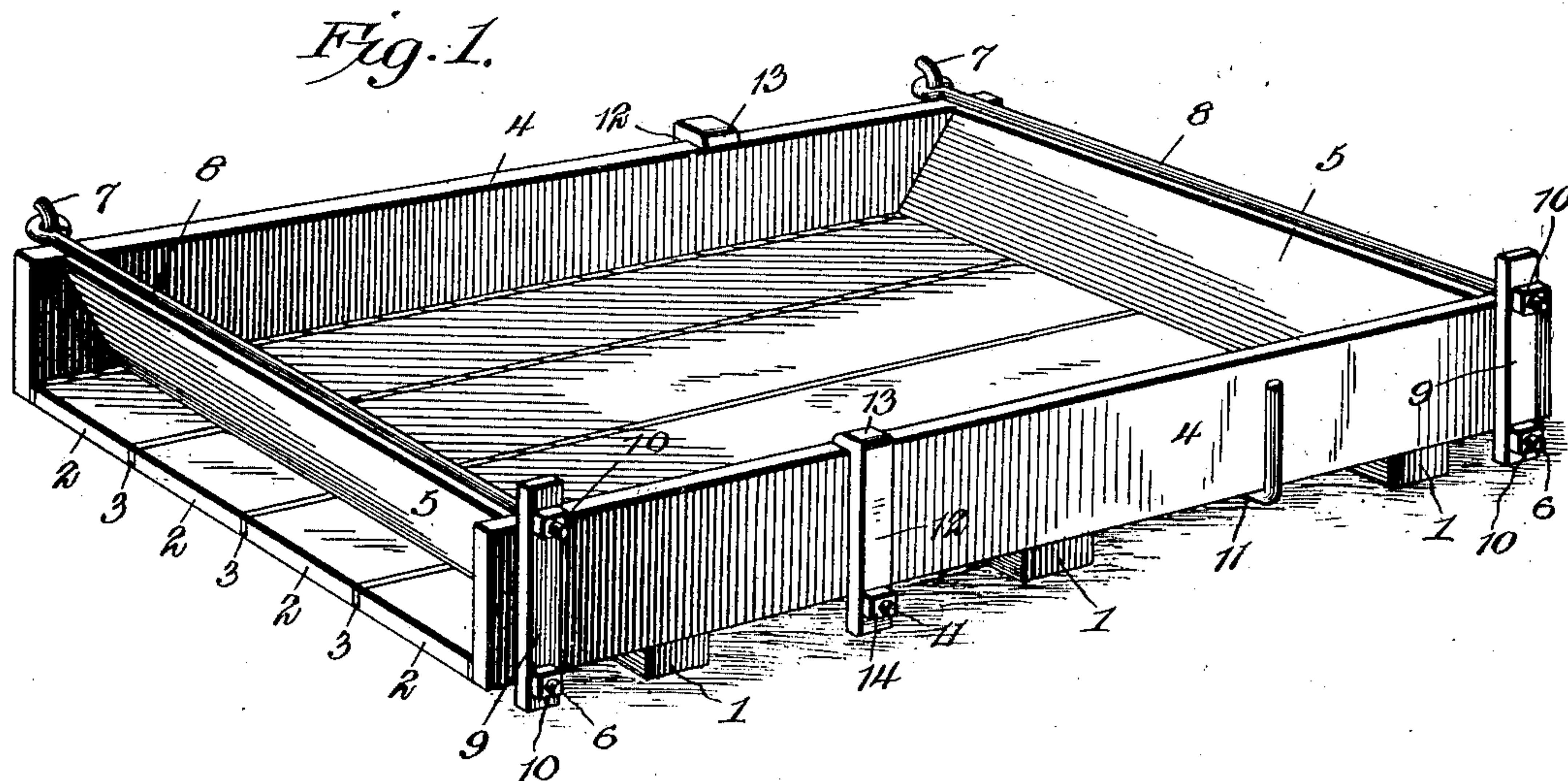
No. 703,344.

Patented June 24, 1902.

J. M. HOLLOWAY.
MORTAR BED.

(Application filed Oct. 19, 1901.)

(No Model.)



Witnesses
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By

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UNITED STATES PATENT OFFICE.

JOHN MARTIN HOLLOWAY, OF SANTA BARBARA, CALIFORNIA, ASSIGNOR
TO MARY E. HOLLOWAY, OF SANTA BARBARA, CALIFORNIA.

MORTAR-BED.

SPECIFICATION forming part of Letters Patent No. 703,344, dated June 24, 1902.

Application filed October 19, 1901. Serial No. 79,229. (No model.)

To all whom it may concern:

Be it known that I, JOHN MARTIN HOLLOWAY, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara and State of California, have invented a new and useful Mortar-Bed, of which the following is a specification.

This invention relates to mortar-beds upon which mortar in large quantities is mixed; and the object thereof is to provide a portable knockdown device which is arranged to be conveniently set up when desired for use and as readily taken apart and packed into small compass for transportation and storage.

It is furthermore designed to obviate the use of nails and the like and to provide for clamping the several parts of the device in such manner as to hold the same assembled in a strong and durable manner to obviate leakage of the device.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a mortar-bed constructed and arranged in accordance with the present invention. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is an end view. Fig. 4 is a cross-sectional view taken on the line 4 4 of Fig. 2.

Like characters of reference designate corresponding parts in all the figures of the drawings.

In carrying out the present invention there is provided a plurality of sills or beams 1, shown in the accompanying drawings as three in number; but it will of course be understood that any preferred or required number may be employed. These beams or sills are placed in parallel relation upon the ground and at suitable intervals, so as to form a base or foundation for the floor or platform boards 2, which are placed transversely, the cracks or

spaces between the boards being filled with suitable packing-strips 3, of felt or other material, so as to provide a water-tight structure, and thereby prevent leakage of the device. As indicated in Figs. 3 and 4, it will be seen that the sill-beams 1 are of such a length as to project laterally at opposite ends beyond the bottom boards 2, so as to permit of the longitudinal side boards 4 being stood edgewise upon the projected ends of the sills and flat against the opposite edges of the bottom of the device. The end boards 5 are fitted snugly between the opposite side boards 4 and are inclined inwardly and downwardly and have their top and bottom edges correspondingly beveled, so as to lie flush with the upper edges of the side boards and to rest flat against the bottom of the device. For holding all of the boards in a snug embrace each end of the device is provided with a clamp, comprising a substantially L-shaped body 6, formed by a metal rod which is bent adjacent to one end so as to form a comparatively long horizontal member to lie transversely across the under side of the bottom of the device and a shorter upstanding member to lie against the outer face of the adjacent side board. The upper end of the upstanding member is bowed outwardly, as indicated at 7, so as to form a hook, and with this hook there is engaged an eye-rod 8, which lies transversely across the upper edges of the opposite side boards and the adjacent end board. The corresponding ends of the clamp 6 and the eye-rod 8 project at one side of the device and pierce a perforate tie-plate 9, said ends also being screw-threaded for the reception of nuts 10, whereby the clamp may be caused to tightly embrace the end of the mortar-bed, and thereby hold the parts thereof in a snug embrace. It is preferable to have the bar or rod 8 lie across the upper edge of the adjacent end board, so as to protect the same by receiving such knocks and blows as would otherwise displace the board. It will here be noted that the eye of the rod 8 may be readily engaged with the hook 7, so as to form a pivotal or hinged connection therewith to permit of the rod being swung in planes at substantially right angles to each other, thereby to

facilitate the application and removal of the rod, while at the same time the hook portion 7 overhangs the eye and prevents accidental upward displacement thereof. The intermediate portion of the device is also braced by means of any preferred number of clamps, each of which comprises a substantially L-shaped member 11 to embrace one side board and extend across the under sides of the bottom boards, the lower end of the clamp being screw-threaded and passed through an opening in a clip or bracket 12, which is provided at its upper end with an inwardly-directed lug or shoulder 13 to snugly embrace the upper edge of the adjacent side board, and a nut 14 is fitted to the projected end of the clamp 11, so as to draw the same into snug engagement with the device. These intermediate clamps or braces are arranged in alternation, or, in other words, the clips or brackets thereof are disposed at opposite sides of the device.

From the foregoing description it is apparent that the present form of mortar-bed retains all of the advantages of the common or ordinary form of board which is nailed together and always remains in a set-up condition and also overcomes the disadvantages of the ordinary form of mortar-bed in that it may be readily taken apart, and thereby conveniently transported and stored, and as it is taken apart when not in use it is not liable to become warped. Furthermore, the additional expense is very slight and includes only the end and intermediate clamps.

It is preferable to have the end boards inclined inwardly and downwardly, so as to form obtuse angles with the bottom of the device, and thereby facilitate the use of shovels in removing the mortar from the bed.

What I claim is—

1. A portable mortar-bed, comprising sills, a bottom and separate side pieces supported upon the sills, end pieces fitted between the side pieces and inclined inwardly and downwardly in opposite directions, and clamps embracing the bottom and side pieces.

2. A portable mortar-bed, comprising a bottom, sills supporting the bottom and projected at opposite sides thereof, side pieces supported upon the corresponding projected ends of the sills, end pieces held between the side pieces, and clamps embracing the bottom and the opposite side pieces.

3. A portable mortar-bed, comprising a bottom, opposite side pieces, end pieces held between the side pieces and inclined inwardly and downwardly in opposite directions, and clamps embracing the bottom and the side pieces, the upper portions of the clamps extending across the upper edges of the end pieces to protect the same against displacement.

4. A portable mortar-bed comprising a bottom, opposite side pieces, end pieces held between the side pieces, and clamps embracing the bottom and side pieces, each clamp having a substantially L-shaped member to em-

brace the bottom and one side of the bed, an eye-rod having its eye detachably engaged with the upper end of the member, and a tie-plate connecting the other corresponding ends of the member and the rod.

5. A portable mortar-bed, comprising a bottom, opposite side pieces, end pieces held between the side pieces, and end clamps embracing the bottom and side pieces, each clamp having a substantially L-shaped member to embrace one side and the bottom of the bed, the lower end of the rod being screw-threaded and projected beyond the opposite side of the device, and the upper end of the member being projected above the adjacent side piece and formed into a hook, an eye-rod having its eye engaged with the hook and its intermediate portion lying longitudinally across the upper edge of the adjacent end piece, the free end of the rod being screw-threaded and projected beyond the side of the device, a tie-plate connecting the screw-threaded ends of the L-shaped member and the eye-rod, and nuts fitted to the threaded ends of said member and rod.

6. A portable mortar-bed, comprising a bottom, opposite side pieces, end pieces held between the side pieces, clamps embracing the top and bottom of the opposite ends of the bed, and intermediate clamps embracing the bottom and opposite sides only of the device, the intermediate portion of the bed being unobstructed by the clamps.

7. In a portable mortar-bed, the combination with a bottom, opposite side pieces, and end pieces held between the side pieces, of opposite terminal clamps embracing the bottom and side boards, and an intermediate clamp, comprising a substantially L-shaped member to embrace the bottom and one side piece, and a clip having a lateral shoulder to embrace the upper edge of the opposite side, the L-shaped member having its lower part removably connected to the clip.

8. In a mortar-bed, the combination with supporting-sills, of bottom boards supported transversely thereon, the ends of the sills being projected beyond the opposite sides of the bottom, opposite side boards supported upon the projected ends of the sills and rising above the bottom boards, opposite end pieces held between the side pieces, opposite terminal clamps comprising L-shaped members to embrace the bottom and one side piece and having its upper end projected above the bed and provided with a hook, the opposite end of the member being screw-threaded and projected at the opposite side of the bed, an eye-rod having its eye engaged with the hook and its intermediate portion lying across the upper edge of the adjacent end piece, the free end of the rod being screw-threaded, a tie-plate having openings receiving the screw-threaded ends of the L-shaped member and the eye-rod, nuts fitted to said screw-threaded ends, and an intermediate clamp comprising an L-shaped member embracing one side piece

and the bottom of the device, and an inverted substantially L-shaped clip embracing the upper edge of the opposite side piece and projected below the same, the adjacent end of the L-shaped piece being projected through the lower end of the clip, and a nut fitted to said projected end.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN MARTIN HOLLOWAY.

Witnesses:

W. R. LEGAR,
GEO. C. RILEY.