

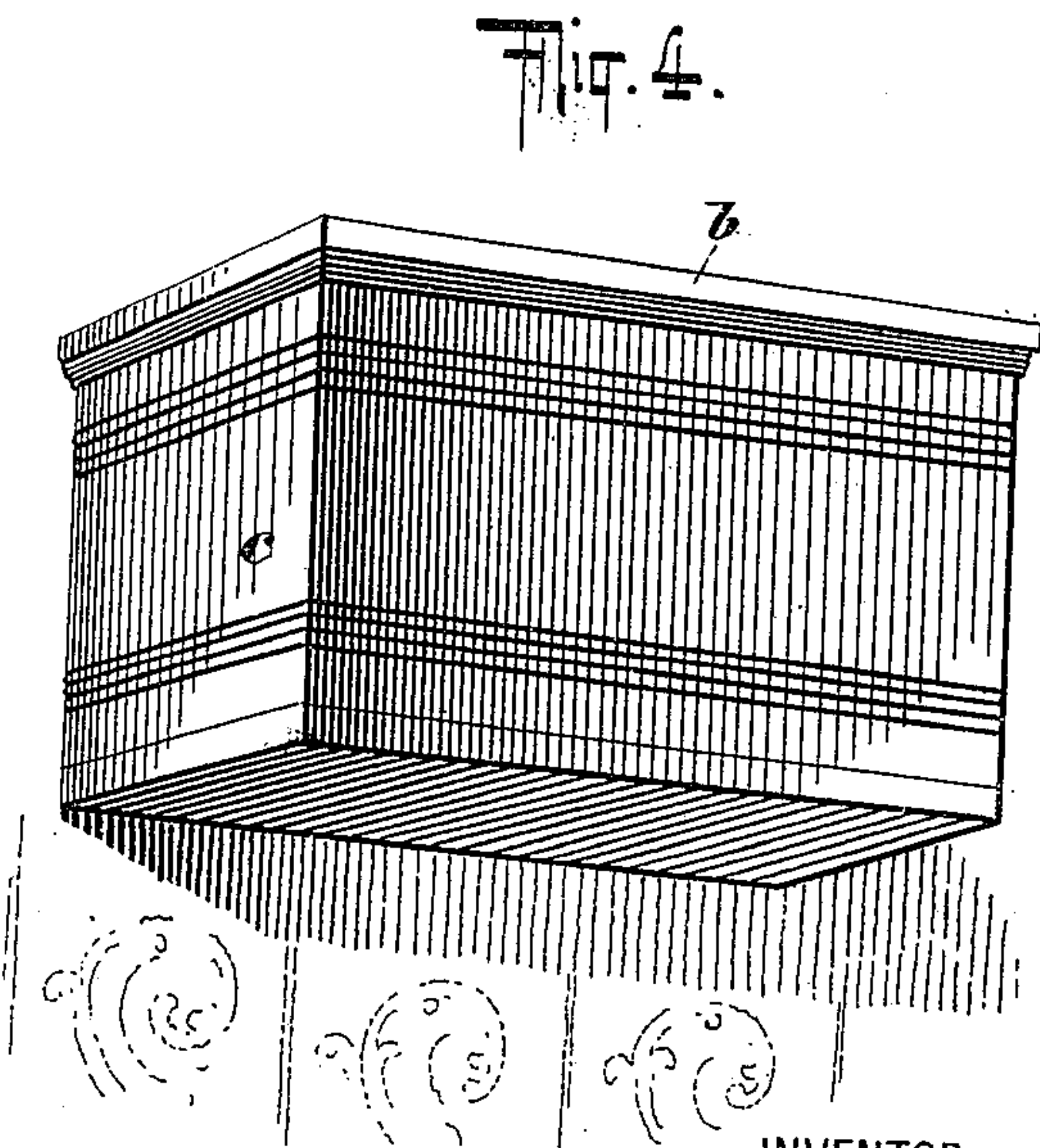
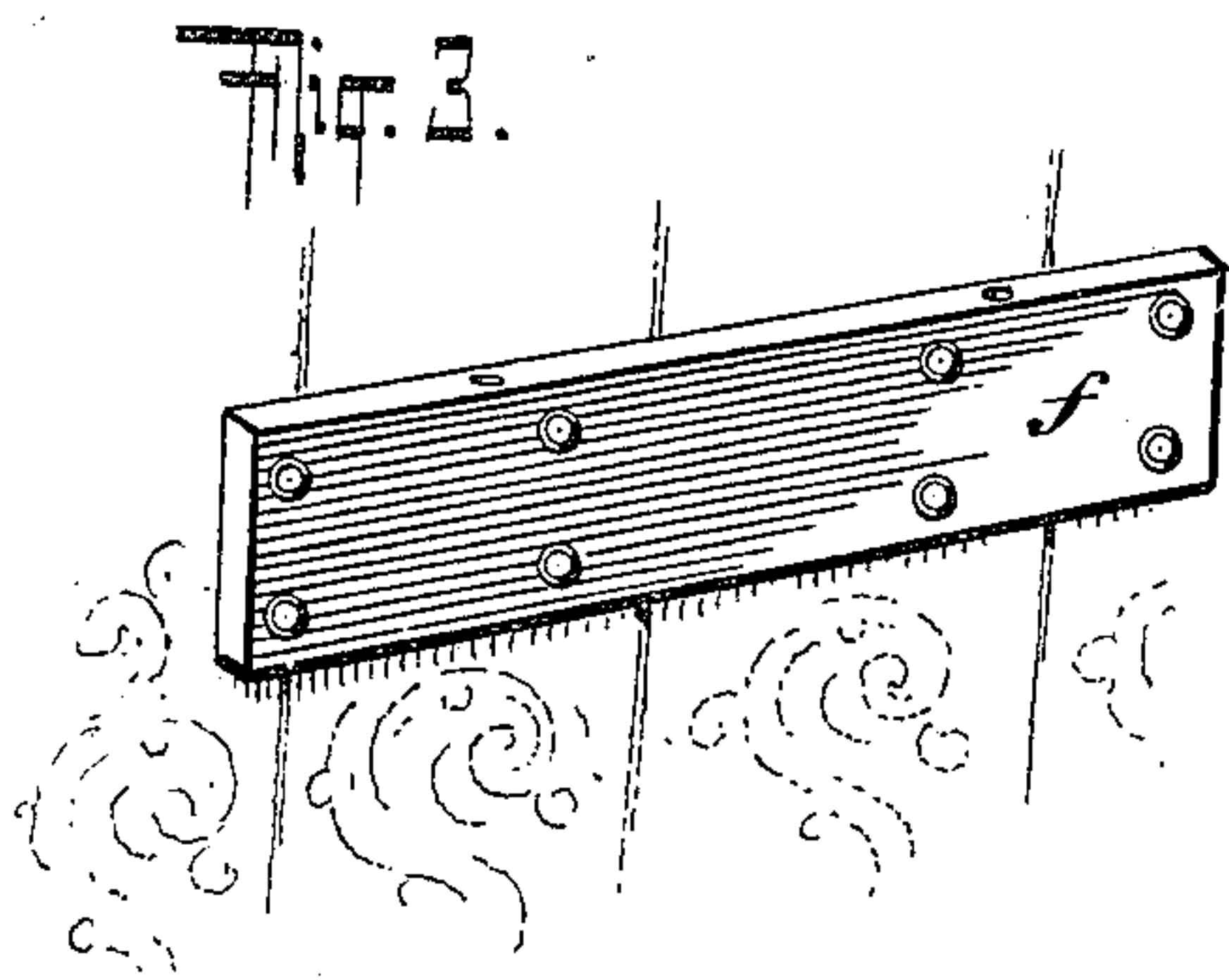
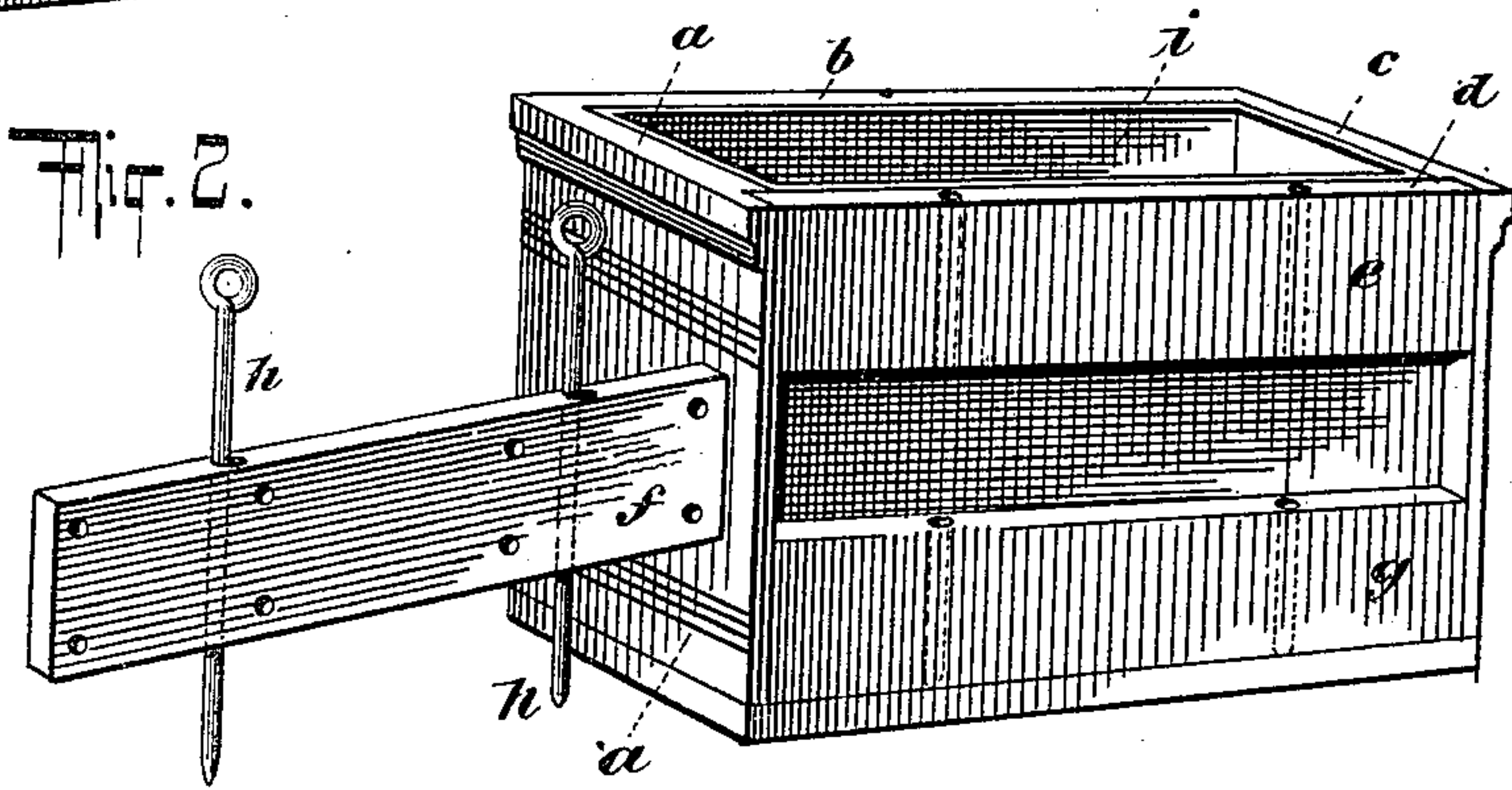
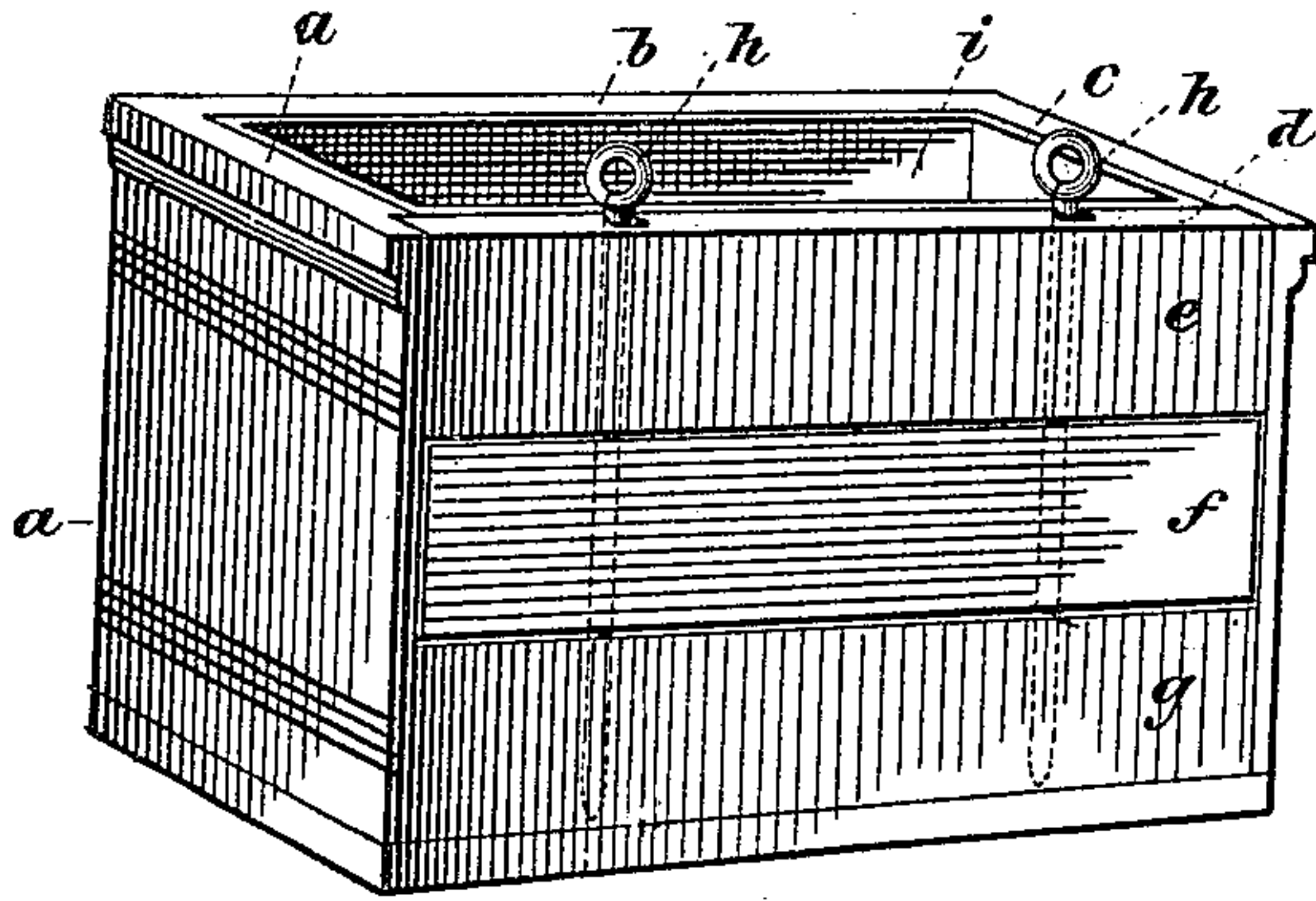
No. 670,134.

W. HEAP.
TANK.

Patented Mar. 19, 1901.

(No Model.)

(Application filed Nov. 24, 1900.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM HEAP, OF MUSKEGON, MICHIGAN.

TANK.

SPECIFICATION forming part of Letters Patent No. 670,134, dated March 19, 1901.

Application filed November 24, 1900. Serial No. 37,570. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HEAP, a citizen of the United States, residing at Muskegon, Muskegon county, State of Michigan, have invented certain new and useful Improvements in Tanks, of which the following is a specification.

My invention relates to tanks, and more especially to flushing-tanks for closets.

Heretofore it has been customary to secure tanks, and especially closet-flushing tanks, to the wall by brackets, which is an expensive and unsatisfactory means for various reasons. Thus, for instance, where the tanks are placed in the bath-room and iron or steel brackets are employed the steam from the bath soon causes the brackets to rust and to present an unsightly appearance and to render the brackets themselves unsafe. Then again, if brass brackets are used it adds considerably to the expense of the structure. It has likewise been found difficult to provide sufficient security with the aid of brackets for the reason that they cannot be fastened with firmness to plastered walls unless the screws should fortunately strike a studding. It will be understood that there is but little choice in placing the screws employed in securing the tanks in place and that the position of the screws is arbitrarily fixed by the position of the brackets. Furthermore, it often occurs that there is insufficient room for securing the brackets in place.

The object of my invention is to provide a structure which will overcome the above-mentioned disadvantages and to provide a simple, cheap, and efficient tank construction which may be readily secured in place without the use of brackets.

To these ends my invention consists in the novel arrangement and combination of parts hereinafter described and claimed.

In the accompanying drawings, wherein like letters indicate corresponding parts in the various views, Figure 1 is a perspective view of a tank embodying my invention. Fig. 2 is a like view of the same with a section of the wall removed. Fig. 3 is a face view of the removable section of the tank, the same being shown secured in position on the wall. Fig. 4 is a perspective view of the

tank, the same being illustrated secured in position upon the wall.

Upon reference to the drawings it will be observed that the tank is provided with a plurality of walls *a b c d*. The walls *a*, *b*, and *c* are of the usual or any preferred construction, whereas the wall *d*, which constitutes the rear of the tank, is made up of a plurality of sections *e f g*, which sections are superposed in a vertical plane. The parts which make up the sections are preferably in the same vertical plane, so that when all of the sections are in place the wall *d* presents the same general appearance as the wall *b*. The sections *e* and *g* may be secured firmly in place to the tank, whereas the intermediate section *f* is made removable. These various sections have openings or holes extending there-through for the passage of pins *h*, which may be of any suitable number. These pins constitute means for securing the removable section *f* of the tank in place, as indicated in Fig. 1 of the drawings.

While I have specifically referred to three sections *e f g*, constituting one of the walls of the tank, it should be understood that any suitable number of such sections may be employed. Contained within the walls *a*, *b*, *c*, and *d* I employ the usual zinc or copper or lead lining *i* of the tank.

The tanks are ordinarily shipped with the parts secured together in the manner indicated in Fig. 1 of the drawings. When the tank is to be secured in position, it is merely necessary to remove the pins *h*, when the removable section *f* may be taken out and secured to the wall in the manner indicated in Fig. 3 of the drawings. It will be understood that this section is preferably made of wood, so that it may be readily secured to the wall by screws or otherwise and that a sufficient number of screws may be placed through the section at various portions thereof in order to secure a firm support for the tank. After the section *f* has been secured in place upon the wall the tank is placed in position, so that the section *f* is properly located in its respective place in the tank intermediate of the sections *e* and *g*. The pins *h* may then be inserted in the openings and the sections *e* and *g* and the tank as a whole securely united to

the section *f* and to the wall to which said section is attached.

It will be observed that by my invention brackets are entirely dispensed with and that
 5 simple and efficient means are provided for securing the tank in place and that no space other than that occupied by the tank itself is necessary to support it in position. It will
 10 likewise be observed that the tank may be readily removed and replaced without the necessity of disconnecting the securing means or section *f* from the wall.

While I have described one construction embodying my invention with considerable
 15 detail, I would have it understood that various changes in construction may be made without departing from the spirit of my invention.

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

1. A flushing-tank comprising a single wall in which an intermediate removable section is embodied and which intermediate removable
 25 wall-section constitutes a support for the other sections of the said wall and for the tank as a whole, means for securing the removable section to the tank and a lining contained within the walls of the tank.

30 2. In a flushing-tank, a single wall which comprises three sections, an upper, lower and intermediate section, one of said sections being removable, means for securing said sections together and a lining contained within
 35 the walls of the tank.

3. In a flushing-tank, a wall which comprises a plurality of sections in the same vertical plane and which are adapted to abut one against another, one of said sections being

removable, means for removably securing the
 40 removable section in place and a lining contained within the walls of the tank.

4. In a tank, a wall which comprises an upper, a lower and a removable intermediate section, the said sections having alined open-
 45 ings which extend therethrough and pins which are adapted to pass into said openings to unite the sections.

5. In a tank, a wall which comprises an upper, a lower and a removable intermediate
 50 section, the said sections having alined openings which extend therethrough, pins which are adapted to pass into said openings and means for securing said removable section to the side of the wall or other means of support.
 55

6. A tank having a plurality of sides, one of said sides comprising a plurality of sections which are in the same vertical plane, one of said sections being a removable section which is adapted to be secured to a wall
 60 or other suitable support, while other of the sections are fixed to the tank and pins which are adapted to coöperate with said removable and with the fixed sections to unite them.

7. A tank having a plurality of sides, one
 65 of said sides comprising a plurality of vertical superposed sections, each of which sections has a plurality of openings extending transversely therethrough, which openings are in alinement when the sections are in
 70 place in the tank, one of said sections being removable and a plurality of pins which are adapted to extend through the openings in the various sections to unite them.

WILLIAM HEAP.

Witnesses:

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 JOHN W. WILSON.