

No. 669,256.

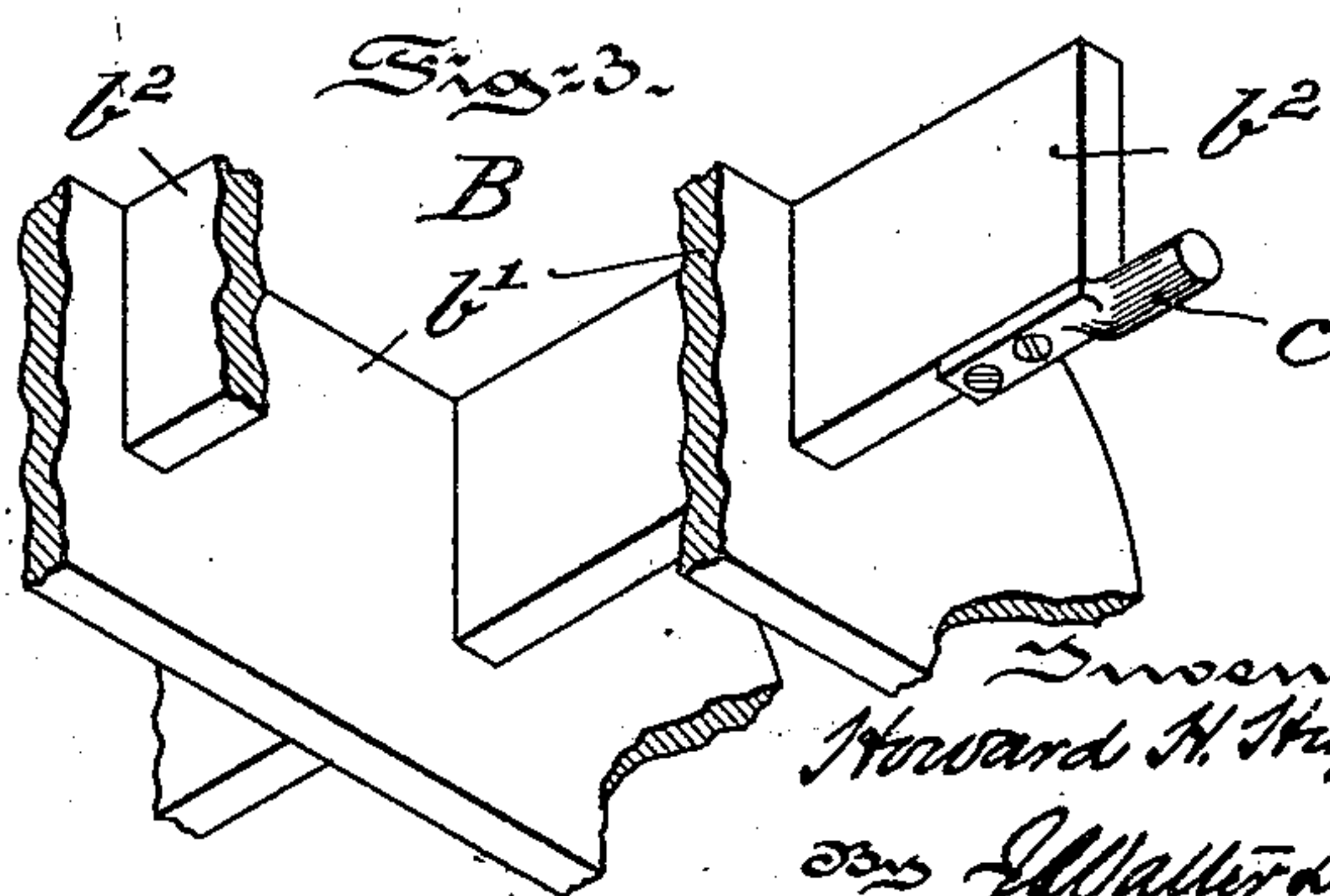
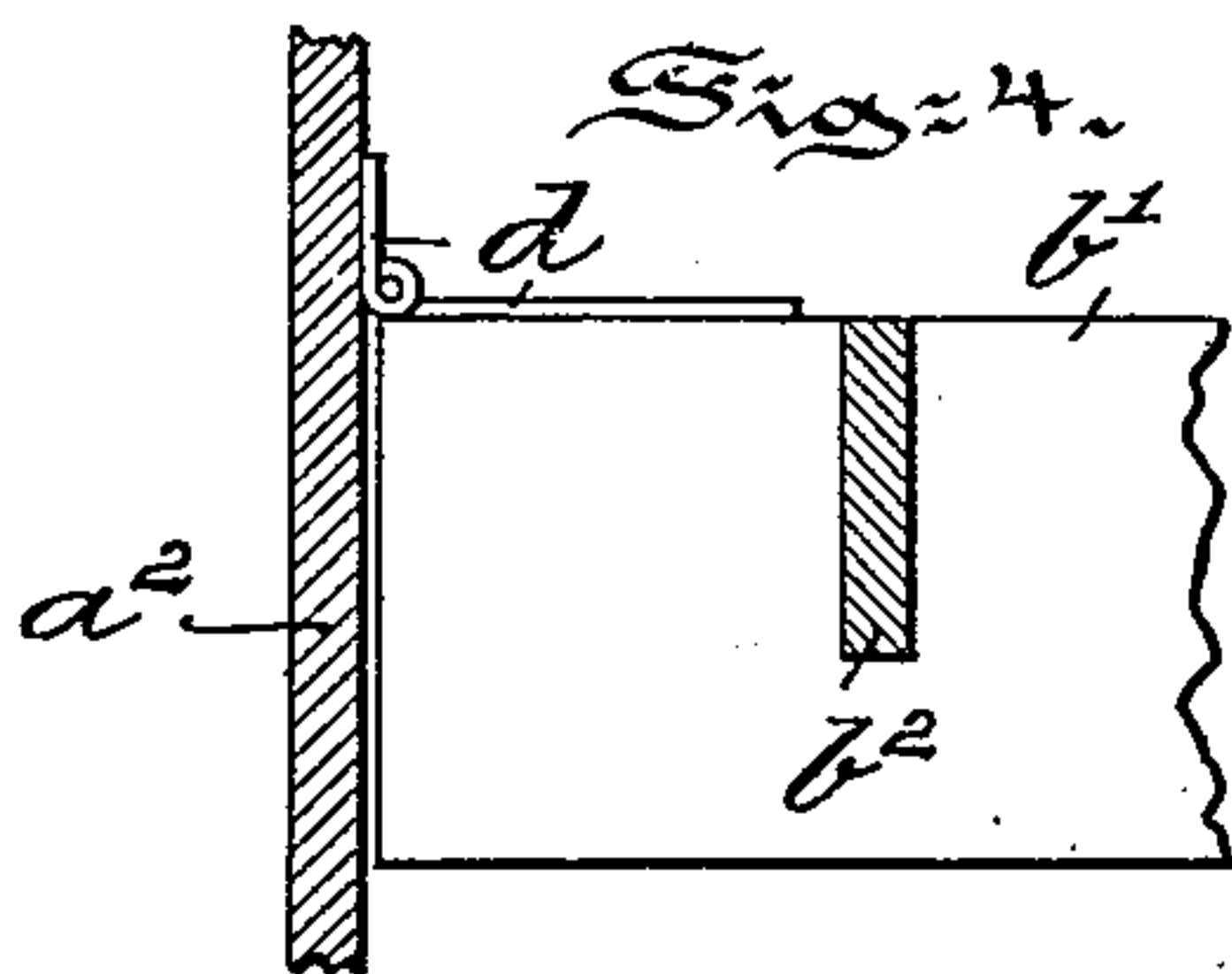
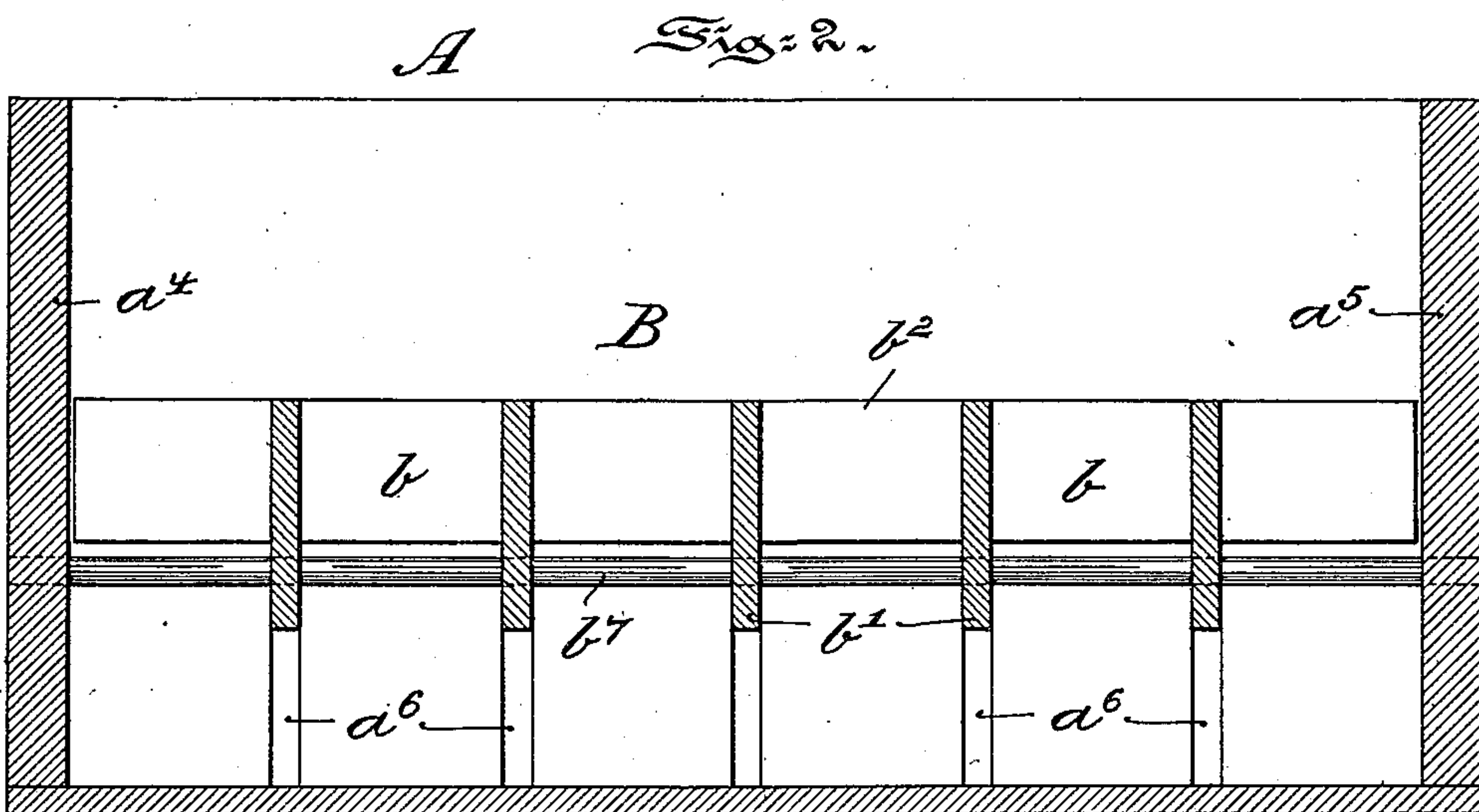
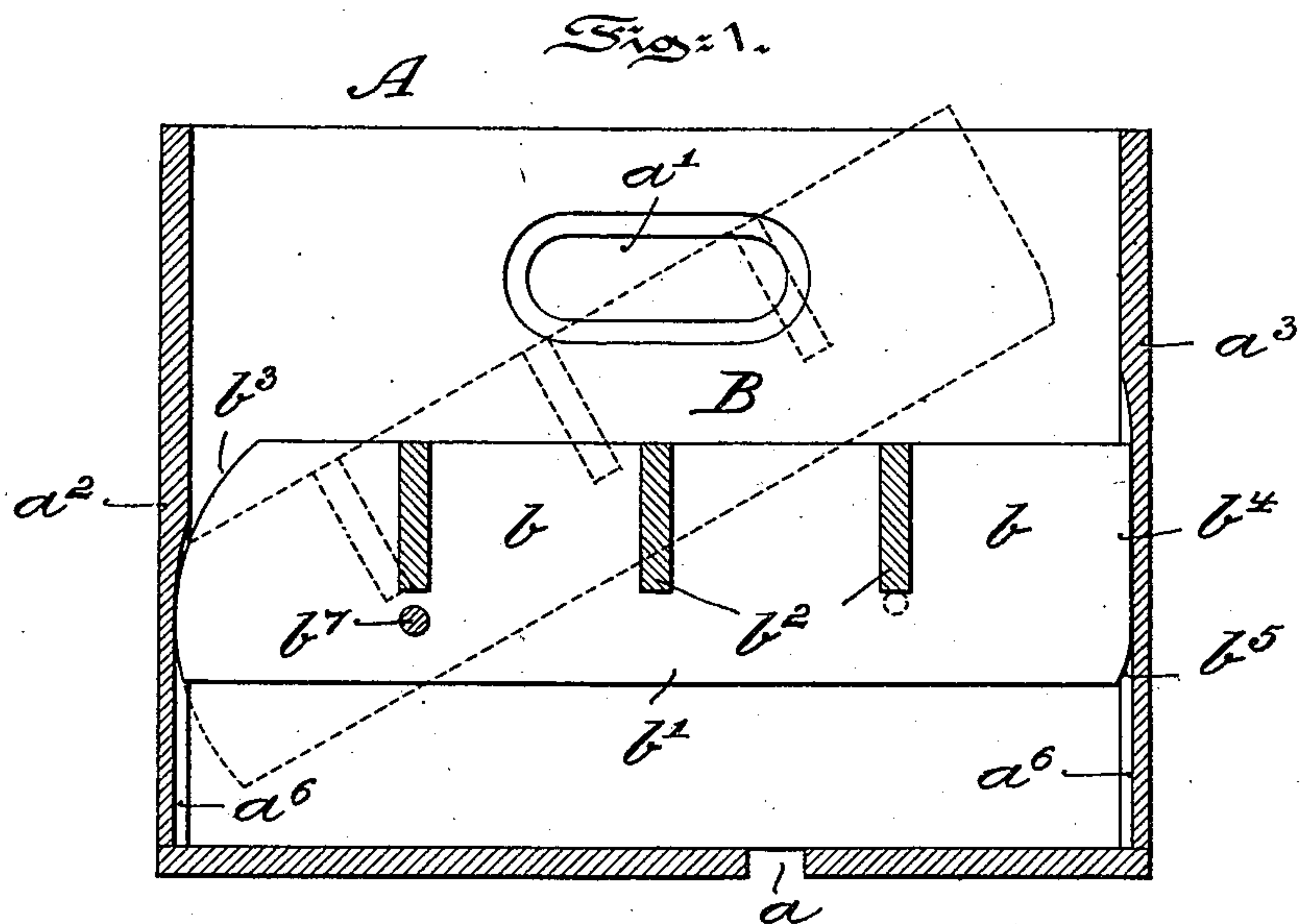
Patented Mar. 5, 1901.

H. H. HIGHAM.

BOTTLE BOX.

(Application filed Dec. 17, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

HOWARD H. HIGHAM, OF PHILADELPHIA, PENNSYLVANIA.

BOTTLE-BOX.

SPECIFICATION forming part of Letters Patent No. 669,256, dated March 5, 1901.

Application filed December 17, 1900. Serial No. 40,113. (No model.)

To all whom it may concern:

Be it known that I, HOWARD H. HIGHAM, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Boxes, of which the following is a specification.

My invention has relation to a movable partitioned box for mounting and supporting bottles therein, and in such connection it relates to the particular construction and arrangement of the same.

The principal object of my invention is to provide a comparatively simple, inexpensive, and effective movable or swinging partitioned box for mounting and supporting bottles in position therein, and particularly for permitting, by removal of the bottles, the partition being shifted so as to quickly, efficiently, and thoroughly cleanse the box of any accumulating matter by the use of a convenient scraping or other tool.

My invention, stated in general terms, consists of a bottle-box when constructed and arranged in substantially the manner herein-after described and claimed.

The nature and scope as well as characteristic features of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a vertical transverse sectional view of a bottle-box embodying main features of my invention, showing one of the partitions of the series in operative position and in dotted lines in inoperative position to permit of the cleansing of the box, as required, by any suitable scraping or other tool. Fig. 2 is a vertical longitudinal sectional view of the box with the internal partitions shown in operative position for the reception of bottles. Fig. 3 is a view in broken section of a portion of the internal partition, showing a slightly-modified form of the manner of pivoting such a partition to the box; and Fig. 4 is a sectional view of a portion of the internal partition, showing a further modified form of connecting the partition to the box by hinging the same thereto.

Referring to the drawings, A is an oblong

or similar shaped box provided, preferably, with a drain-opening a in the bottom and with hand-holes a' in the ends thereof. In the side walls a^2 and a^3 on the inner side of the box at suitable distances apart are provided a series of vertical grooves or recesses a^6 , as illustrated in Figs. 1 and 2, for a purpose to be presently fully explained.

B is the internal partition, composed of two series of slats or strips b' and b^2 , joined to each other, as illustrated, to form a series of spaces or compartments b and having the ends of the series b' rounded at b^3 and at the other end b^4 formed substantially straight, except near the bottom, where they are curved, as at b^5 , so as not only to fit in the vertical grooves or recesses a^2 and a^3 , provided in the inner side walls of the box, but also to permit of the ready release of the partition B from an operative position, in which spaces or compartments b thereof the bottles are supported in carriage or transportation of the box to permit by the use of a scraping or other instrument the cleansing of the box of any accumulating matter.

The partition B, with its series of spaces or compartments for bottles, is supported in position within the box by a rod or bar b^7 , extending through the lower portion of one part of the partition B into the end walls a^4 and a^5 of the box, as illustrated in Figs. 1 and 2, while in Fig. 3 the pivotal supporting of the partition B to the box is by means of pivots c , each fastened to one of the longitudinal strips of the partition and extending into the end walls of the box A, and in Fig. 4 instead of a pivotal connection being employed for supporting in operative position the internal partition B in the box a hinge connection d may be used and equally good results be obtained for supporting the partition in the box with its series of spaces or compartments for bottles and for also readily permitting of the shifting of the same for cleansing the interior sides, ends, and bottom of the box.

It will be observed from the drawings that by making the partition of the box so as to swing or to be shifted not only will bottles be maintained in an upright position therein for transporting or delivering, but by having the capability of being shifted an exposure of the bottom of the box is had for ap-

plying a suitable scraping or other tool there-
to for cleansing, in conjunction with a fluid,
the bottom as well as the ends and sides of
the box of any accumulating matter. It is
5 well known that the drippings from empty
bottles, being generally of a glutinous nature,
unite with other extraneous matter, forming
a solidified mass and rendering it difficult to
dislodge under ordinary conditions, and espe-
10 cially if the partition of the box is a fixture
thereof.

I desire it to be understood that I do not
confine myself to the precise construction and
arrangements of the parts of the box as illus-
15 trated and hereinbefore described, as it is
manifestly obvious that changes as to details
may be made without departing from the
spirit and scope of my said invention.

Having thus described the nature and ob-
20 ject of my invention, what I claim as new,
and desire to secure by Letters Patent, is—

1. A bottle-box provided with an internal
partition arranged as compartments for bot-
25 tles, said partition hinged or axially con-
nected with the ends or sides of said box so

as to permit of the turning of the same with-
in the box into a position to admit of ready
cleaning of the bottom, sides and ends of the
box, substantially as and for the purposes de-
scribed.

2. A bottle-box provided with grooved or
recessed interior walls, an internal partition
arranged as compartments for bottles, said
partition being hinged or axially connected
with certain portions of said box and the re-
35 spective ends of said partition adapted to be
engaged in and disengaged from the recesses
or grooves in the walls of said box to permit
of the turning of the same within the box,
to admit of ready cleaning of the bottom, 40
sides and ends of the box, substantially as
and for the purposes described.

In testimony whereof I have hereunto set
my signature in the presence of two subscrib-
ing witnesses.

HOWARD H. HIGHAM.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.