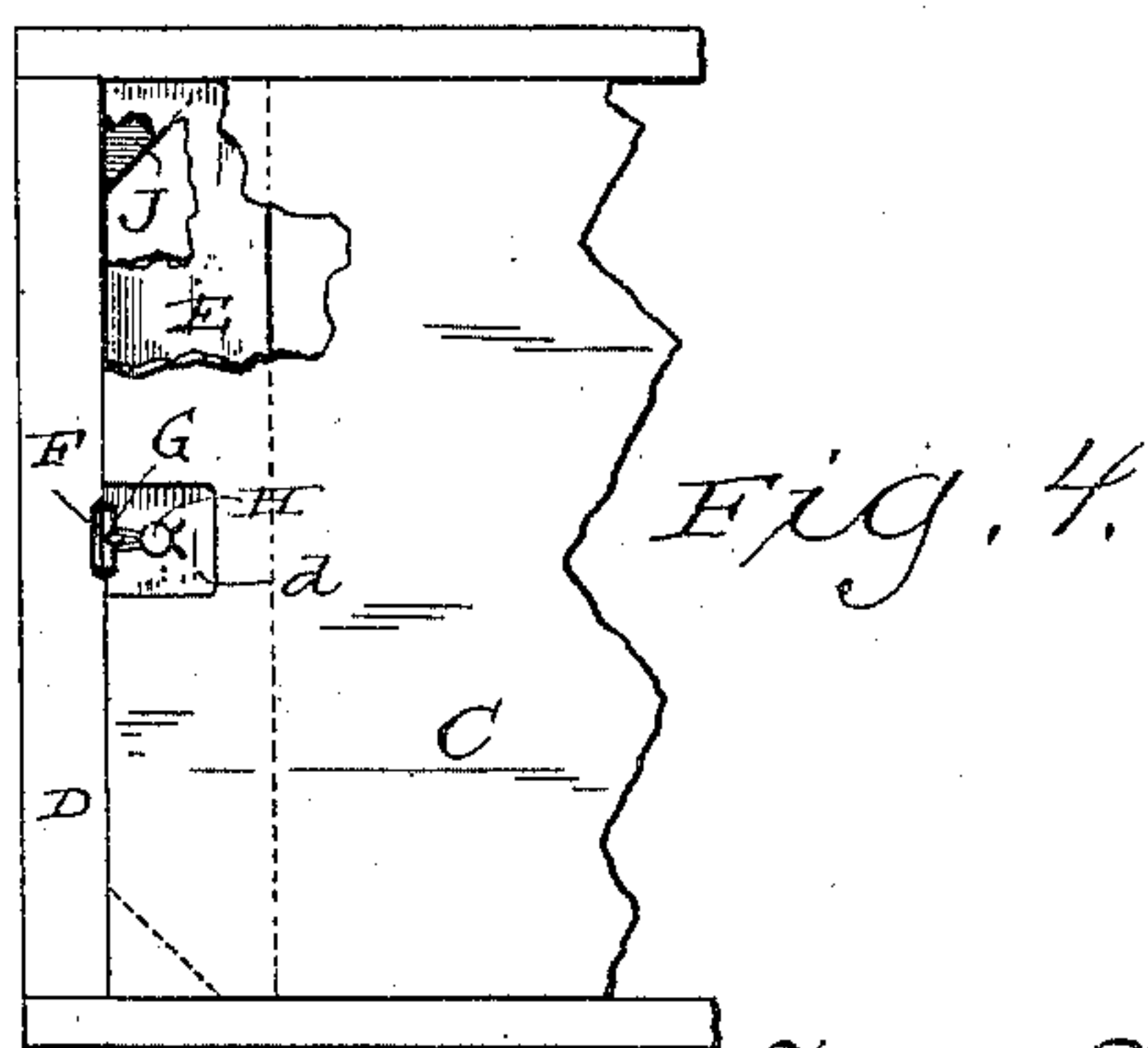
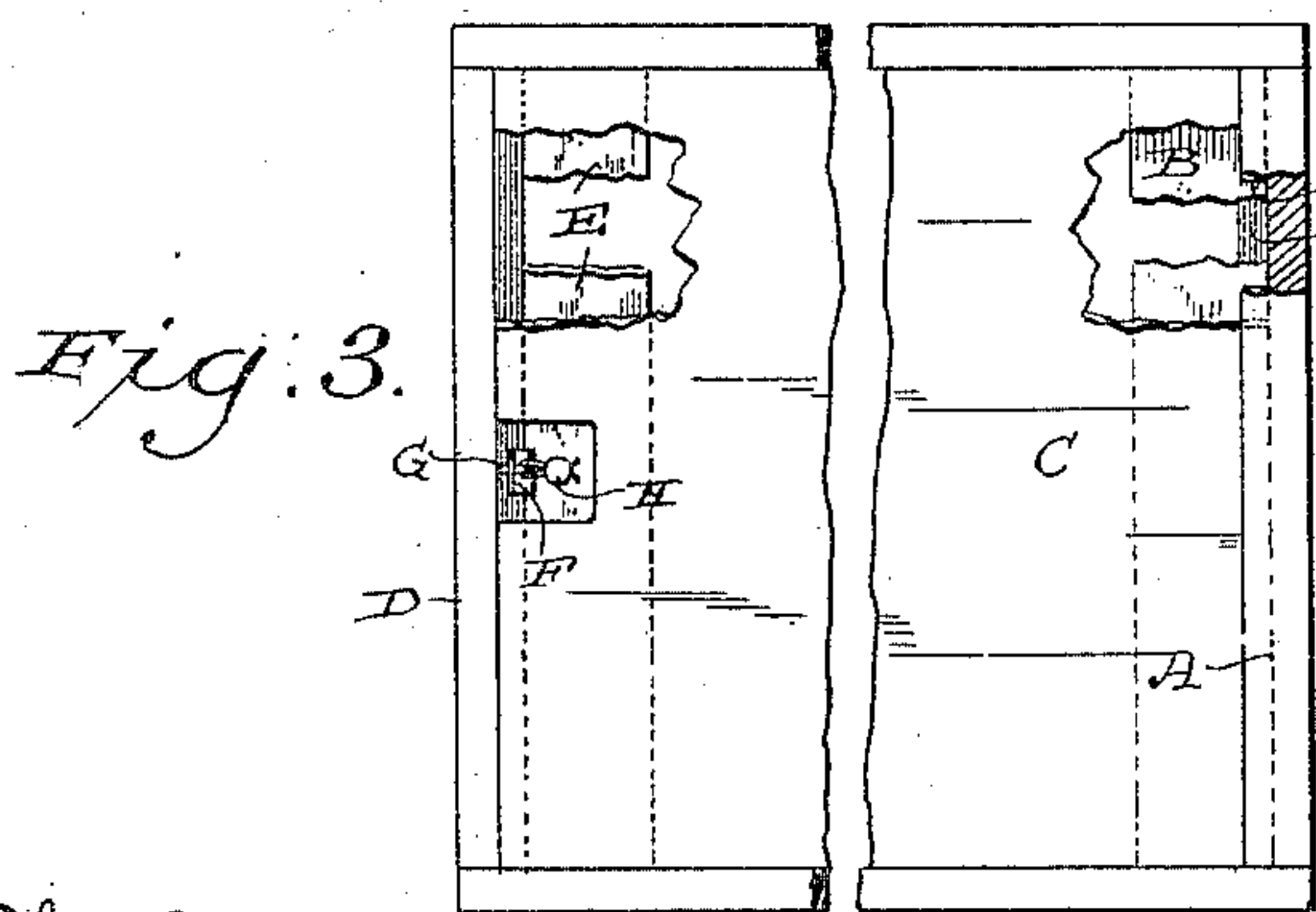
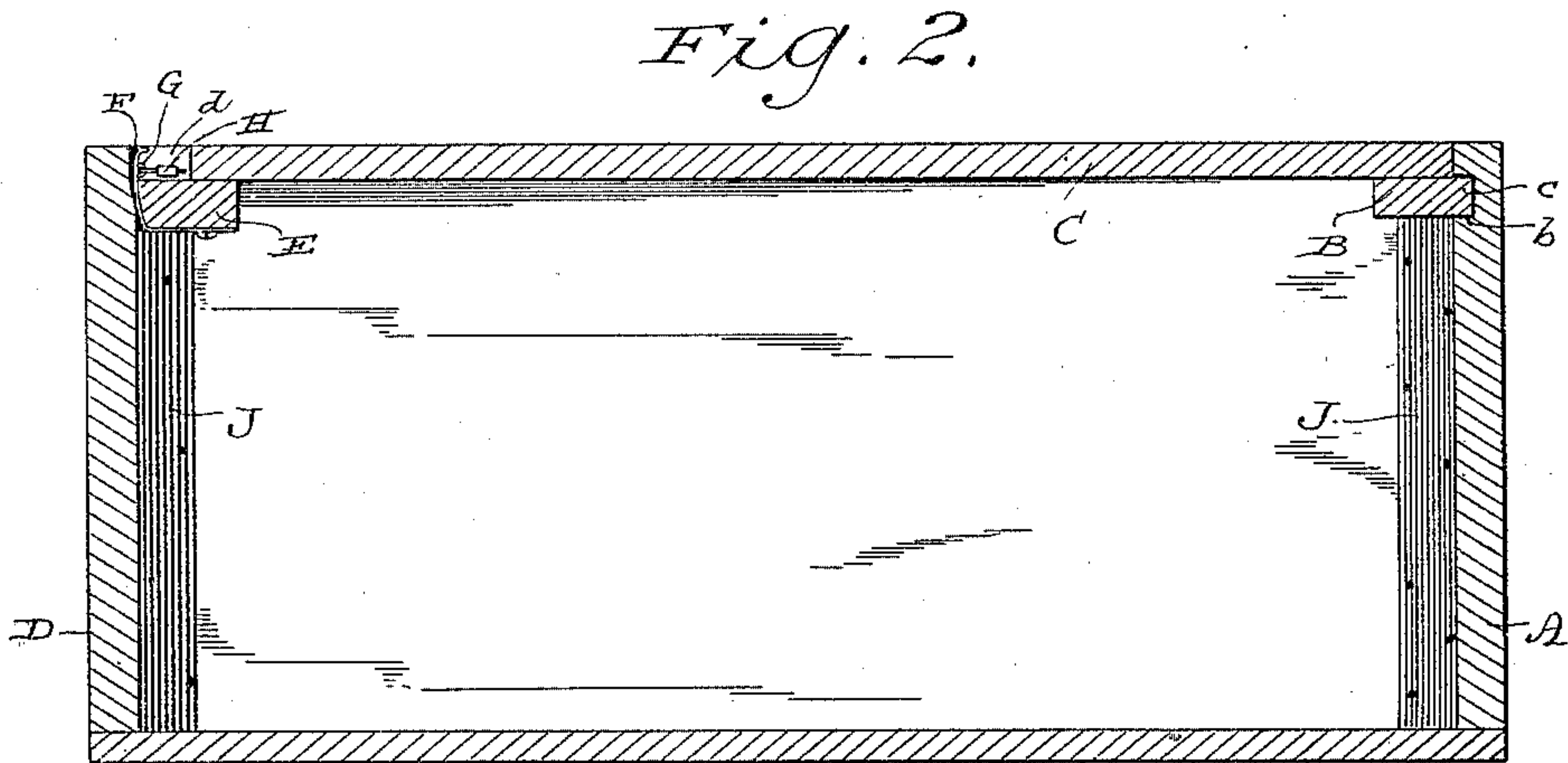
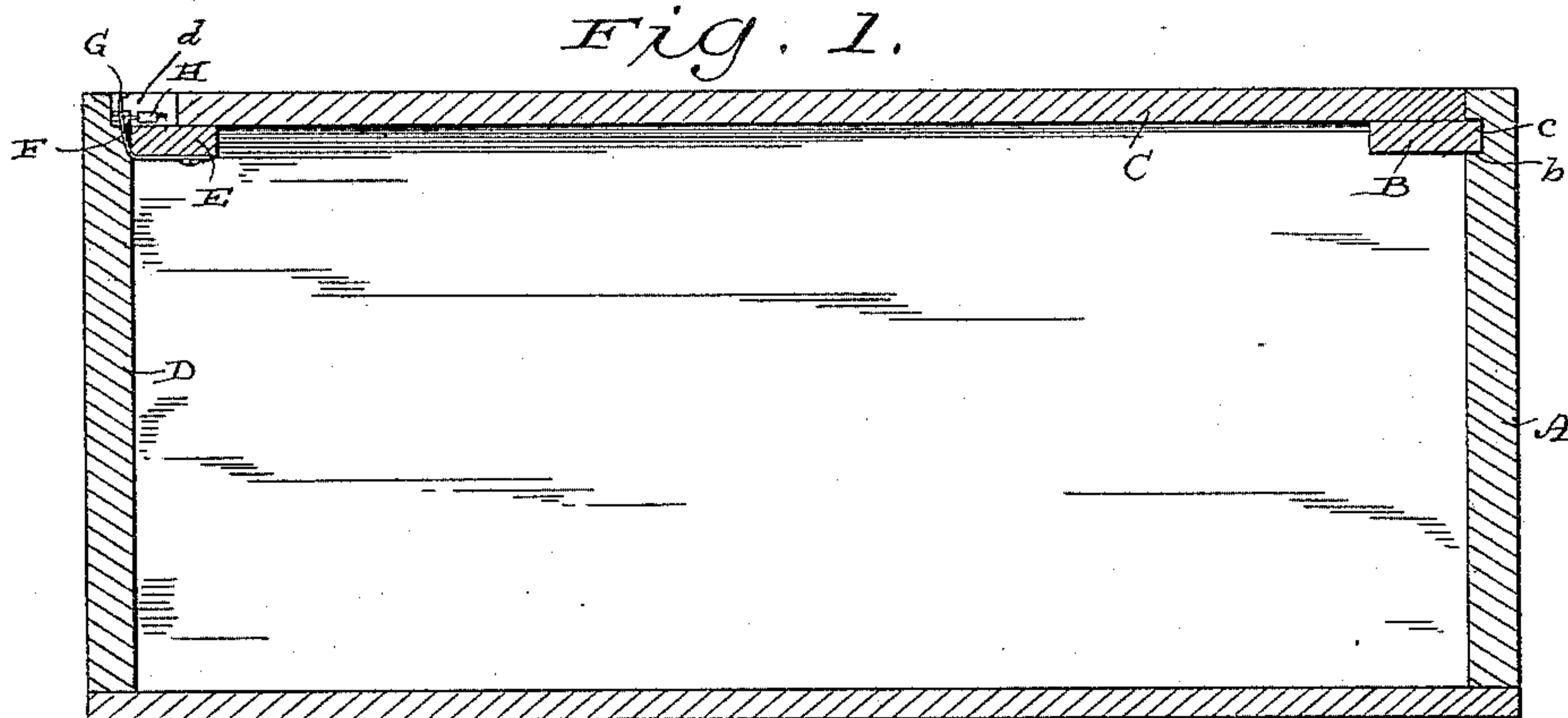


(No Model.)

E. A. HEATH.
BOX CLOSURE.

No. 444,954.

Patented Jan. 20, 1891.



Witnesses
Geo. W. Young
N. E. Oliphant

Inventor
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UNITED STATES PATENT OFFICE.

EDWIN A. HEATH, OF MILWAUKEE, WISCONSIN.

BOX-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 444,954, dated January 20, 1891.

Application filed November 25, 1889. Serial No. 331,437. (No model.)

To all whom it may concern:

Be it known that I, EDWIN A. HEATH, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented
5 certain new and useful Improvements in Box-Closures; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to box-closures; and
10 it consists in certain peculiarities of construction and combination of parts, to be hereinafter described with reference to the accompanying drawings and subsequently claimed.

15 In the drawings, Figure 1 represents a longitudinal vertical section of one form of box constructed according to my invention; Fig. 2, a similar view of another form of box; Fig. 3, a plan view of the box shown in Fig. 1, and
20 Fig. 4 a like view of a portion of the box shown in Fig. 2.

Referring by letter to the drawings, A represents one end or side of an ordinary box, and adjacent to its upper end this end or
25 side of said box is provided with a groove or seat *b* for engagement with a portion *c* of a batten B, that is secured to the under side of the box-lid C, so as to project a certain distance beyond the same and have its entire
30 length enter the groove, said lid being of an area equal to the inner dimensions of the box.

In that form of box shown by Figs. 1 and 3 that end or side D thereof opposite the one
35 A has its upper edge cut away upon the inner side to form an L-shaped seat for the opposing edge of the box-lid C, and adjacent to this edge another batten E is secured upon the under side of said box-lid. Fast to the
40 batten E is an upwardly-extended spring-plate F, provided with a slot for engagement with an eye G, that projects from the adjacent side or end D of the box, this eye being also for the reception of an ordinary
45 sheet-metal seal H, such as are common in connection with freight-car doors. The top of the box-lid is recessed, as shown at *d*, in order to give clearance for the free end of the spring-plate F, the eye G, and seal H, and
50 all of these parts are below the upper surface of said box-lid out of the way.

To open the box, the seal H is broken, the spring-plate F pressed in far enough to clear

the eye G, and the box-lid C raised up, where-
by the projecting portion *c* of the batten B 55
is drawn out of its seat *b* in the end or side A of said box.

In Figs. 2 and 4 I show the box as provided upon the inside at the corners with vertical
strengthening-cleats J, and in this style of 60
box the L-shaped seat in the end or side D is omitted, as the batten E will rest upon two of the corner cleats, and thereby support the adjacent end of the lid. Otherwise the construction is the same as that described in 65
connection with Figs. 1 and 3, and in both forms of my invention the lid in its closed position is flush with the top edges of the box.

By the above description it will be seen that I provide an economical means for fast- 70
ening the lid to a box without the use of nails, and that I also provide for sealing said lid in its closed position.

Having thus described my invention, what I claim as new, and desire to secure by Letters 75
Patent, is—

1. A box having the inside of one of its walls provided with a groove adjacent to the upper end, a lid having an area equal to the inner dimensions of the box, a batten se- 80
cured to the under side of the lid at one end of the latter and arranged to have its entire length project beyond one edge of said lid for engagement with said groove, and a support within said box for the other end of the 85
said lid, substantially as set forth.

2. A box having the inside of one of its walls provided with a groove adjacent to the upper end, a lid having an area equal to the inner dimensions of the box, a batten se- 90
cured to the under side of the lid at one end of the latter and arranged to have its entire length project beyond one edge of said lid for engagement with said groove, and a support within said box for the other end of the said 95
lid, in combination with locking and sealing devices, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, 100
in the presence of two witnesses.

EDWIN A. HEATH.

Witnesses:

N. E. OLIPHANT,
WM. KLUG.