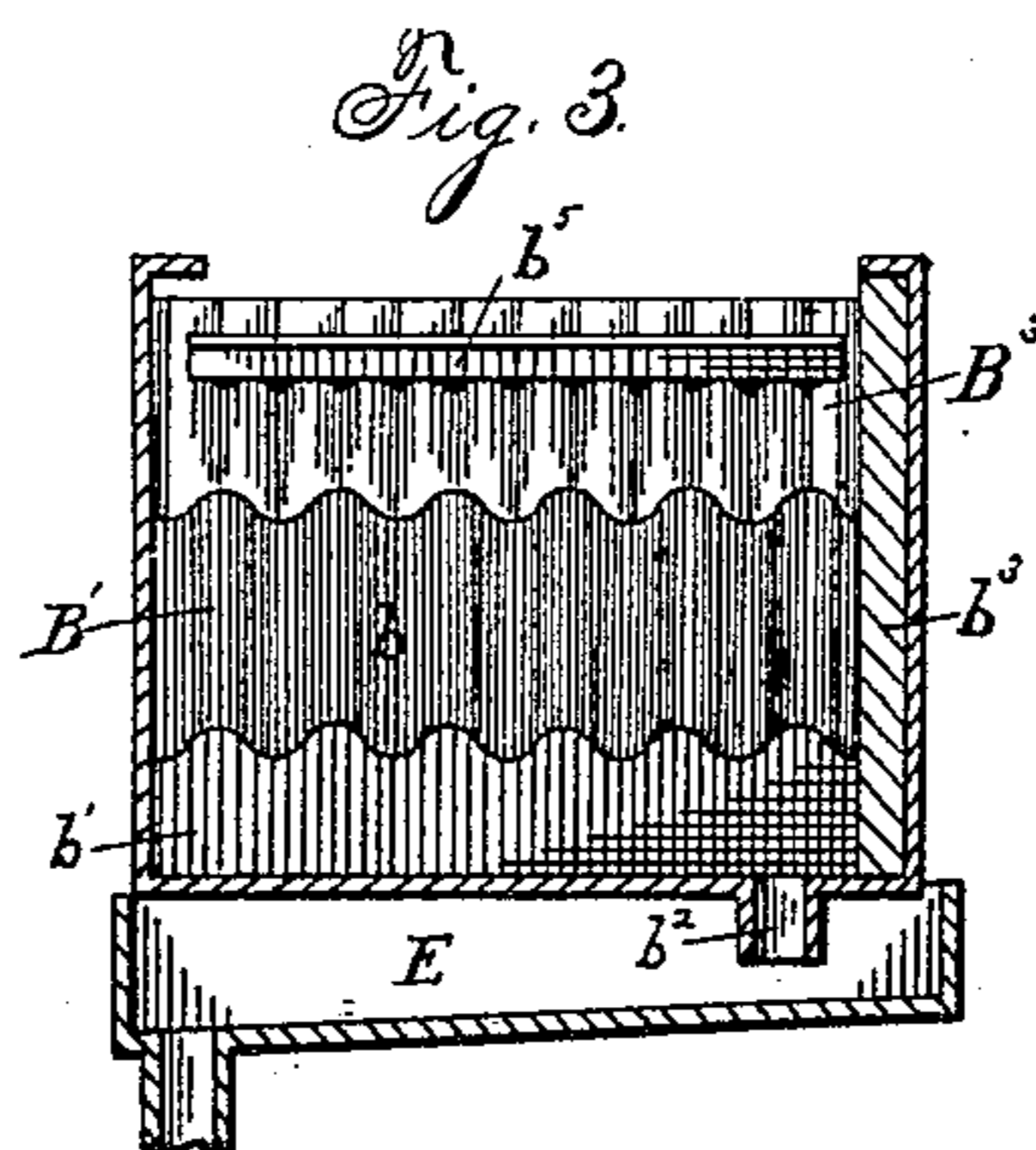
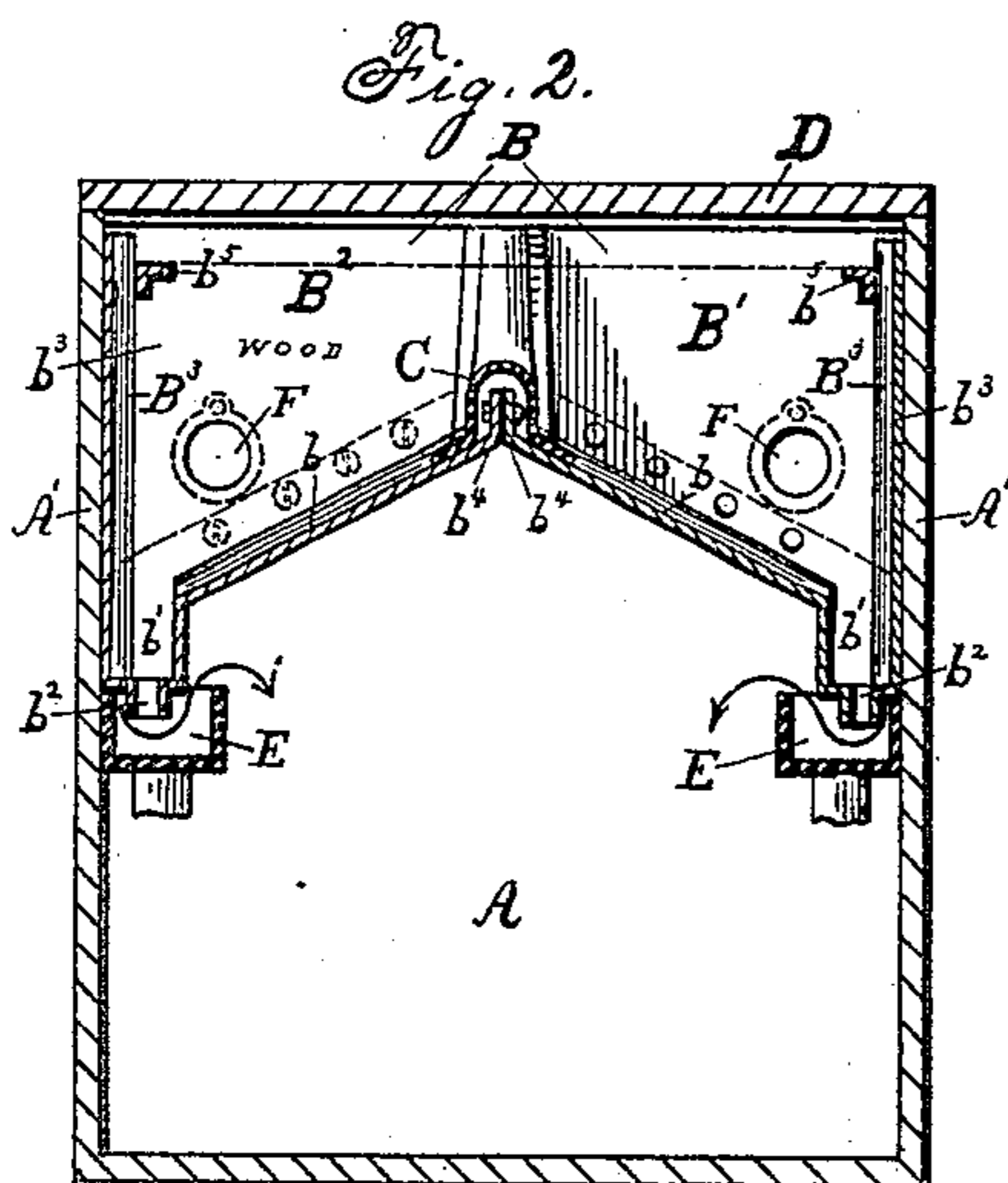
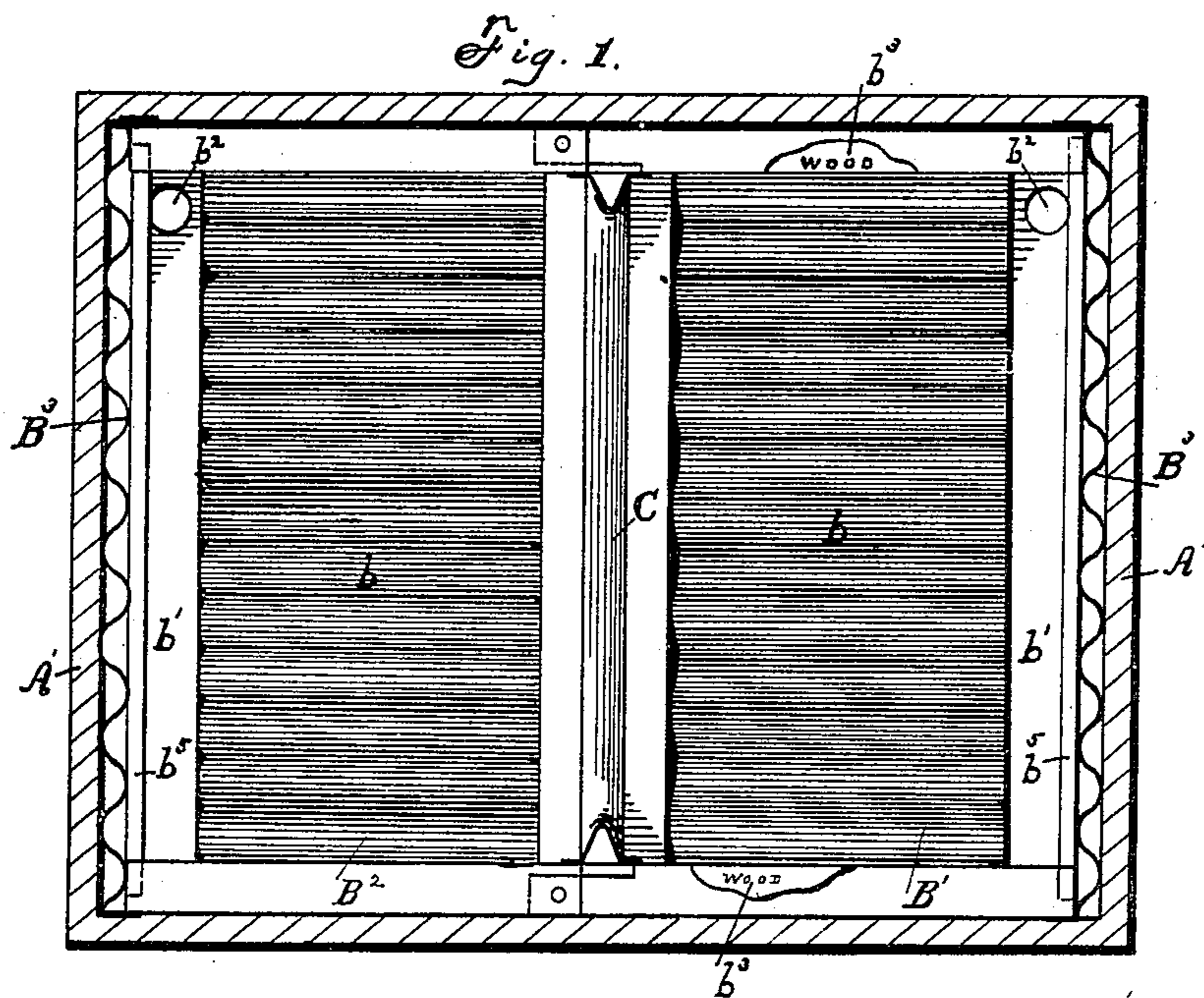


(No Model.)

C. A. SHERIDAN.
REFRIGERATOR.

No. 269,887.

Patented Jan. 2, 1883.



WITNESSES

Samuel E. Thomas:
J. Edward Warren

INVENTOR,

INVENTOR
Cornelius A. Sheridan
By W. W. Leggett
Attorney

Attörnev

UNITED STATES PATENT OFFICE.

CORNELIUS A. SHERIDAN, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF
TO FRANK MCGOUGH, OF SAME PLACE.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 269,887, dated January 2, 1883.

Application filed September 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS A. SHERIDAN, of Detroit city, county of Wayne, State of Michigan, have invented a new and useful
5 Improvement in Refrigerators; and I 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 pertains to make and use it, reference being had to the accompanying drawings, which form a part of
10 this specification.

My invention consists in the combinations of devices and appliances hereinafter specified, and more particularly pointed out in the claims.

15 In the drawings, Figure 1 is a plan view of an apparatus embodying my invention. Fig. 2 is a cross-section. Fig. 3 is a side elevation with the side wall removed, showing one side with the wood lining or stay.

20 The object of my invention is, first, to provide a refrigerator, adapted in various sizes for stationary use or in refrigerator-cars, which shall furnish the most cooling-space in the least room; second, to provide such a refrigerator
25 which may be taken apart so as to be easily moved and repaired; third, to furnish in such a refrigerator means whereby it may be readily cleansed. I design to accomplish this object by constructing a refrigerator in sections properly secured together by the use of grooved or
30 corrugated surfaces, and by providing a man-hole or a hand-hole, as the case may be, so located that the refrigerator can readily be cleansed of impurities.

35 In carrying out my invention, A is the preserving-chamber, constructed in any proper manner.

B is the refrigerating-chamber or ice-box. I design to construct this refrigerating-chamber
40 in sections B' and B², each section provided with a metallic lining, B³, inside the walls A', said lining fluted, grooved, or corrugated on as many sides as may be practicable. I prefer to construct each of these sections with a slanting or
45 curved base, b, preferably fluted, also provided with a suitable gutter, b', and outlet b². The different portions of the metallic lining may be secured together in any proper manner, either being riveted and soldered together, as

shown in section B', or they may be screwed or
50 bolted together with a rubber or other packing between, as shown in section B², either with or without interior stays of wood, b³. Each of the sections is, furthermore, provided with a
55 suitable cross-plate, b⁴, through which the two sections may be screwed or bolted together in such a manner that they may be easily taken apart. A suitable rubber or other packing may be interposed between the two cross-plates to
60 make the construction water-tight; but I prefer to provide said plates with an appropriate cap, C, to secure this result.

b⁵ represents braces adapted to strengthen the sides of the metallic lining B³, and also to support one of the lids or covers D. The whole
65 lid may be constructed to open for the entrance of the ice; or the cover may be provided with a smaller door or trap for this purpose, as may be desired.

E represents a drip-pan under the gutters b',
70 adapted to catch any condensed vapors which may gather under the base of the refrigerating-chamber.

F represents man-holes or hand-holes, as the case may be, by means of which the refrigerat-
75 ing-chamber may be cleansed.

It is evident that by constructing the lining of the refrigerating-chamber of fluted metal a much larger cooling-surface is obtained than if the lining were an ordinary flat surface, while
80 at the same time the fluted surface occupies no more room.

It is obvious, also, that by the use of fluted surfaces the refrigerating-chamber may be located directly against the sides of the refrig-
85 erator or car, the air being free to pass down through the grooved spaces to the preserving-chamber.

I would have it understood that I do not confine myself to a refrigerator whose refrigerat-
90 ing-chamber is constructed, in the manner described, of two sections only, as it is obvious that it might be constructed of two or more sections united as described without departing from the principle of my invention.
95

What I claim is—

1. In a refrigerator or refrigerator-car, a refrigerating-chamber constructed in two or more

sections, each section constructed with a metallic lining fluted on one or more sides, said sections adapted to be readily united and separated, substantially as described.

5 2. In a refrigerator or refrigerator-car, the combination, with the walls of the refrigerator and a suitable preserving-chamber, of a refrigerating-chamber adapted to receive refrigerating material, said chamber constructed of two
10 or more sections adapted to be united and separated, each of said sections provided with a metallic lining fluted on one or more sides, the construction being such that air may pass from the refrigerating-chamber into the preserving-
15 chamber through the grooves of the fluted lining, substantially as described.

3. A refrigerator consisting of the combination, with the walls of the refrigerator and a suitable chamber, of a refrigerating-chamber
20 adapted to receive refrigerating material, said chamber constructed of two or more sections, united as specified, each of said sections pro-

vided with a metallic lining fluted on one or more sides, a gutter, an outlet leading therefrom, and a drip-pan underneath the gutter, 25 substantially as described.

4. In a refrigerator or refrigerator-car, a refrigerating-chamber constructed in two or more sections adapted to be readily united and separated, and in combination therewith a suitable cap adapted to make the union of said sections water-tight, substantially as described. 30

5. In a refrigerator or refrigerator-car, a refrigerating-chamber constructed in two or more sections, provided with a metallic lining fluted 35 on one or more sides, said sections provided with a suitable man or hand hole, substantially as and for the purpose described.

In testimony whereof I sign this specification in the presence of two witnesses.

CORNELIUS A. SHERIDAN.

Witnesses:

FRANK MCGOUGH,
N. S. WRIGHT.