

No. 881,855.

J. F. GRUBBS.

PATENTED MAR. 10, 1908.

COMBINATION STEAM AND WATER BATH CABINET.

APPLICATION FILED MAY 6, 1907.

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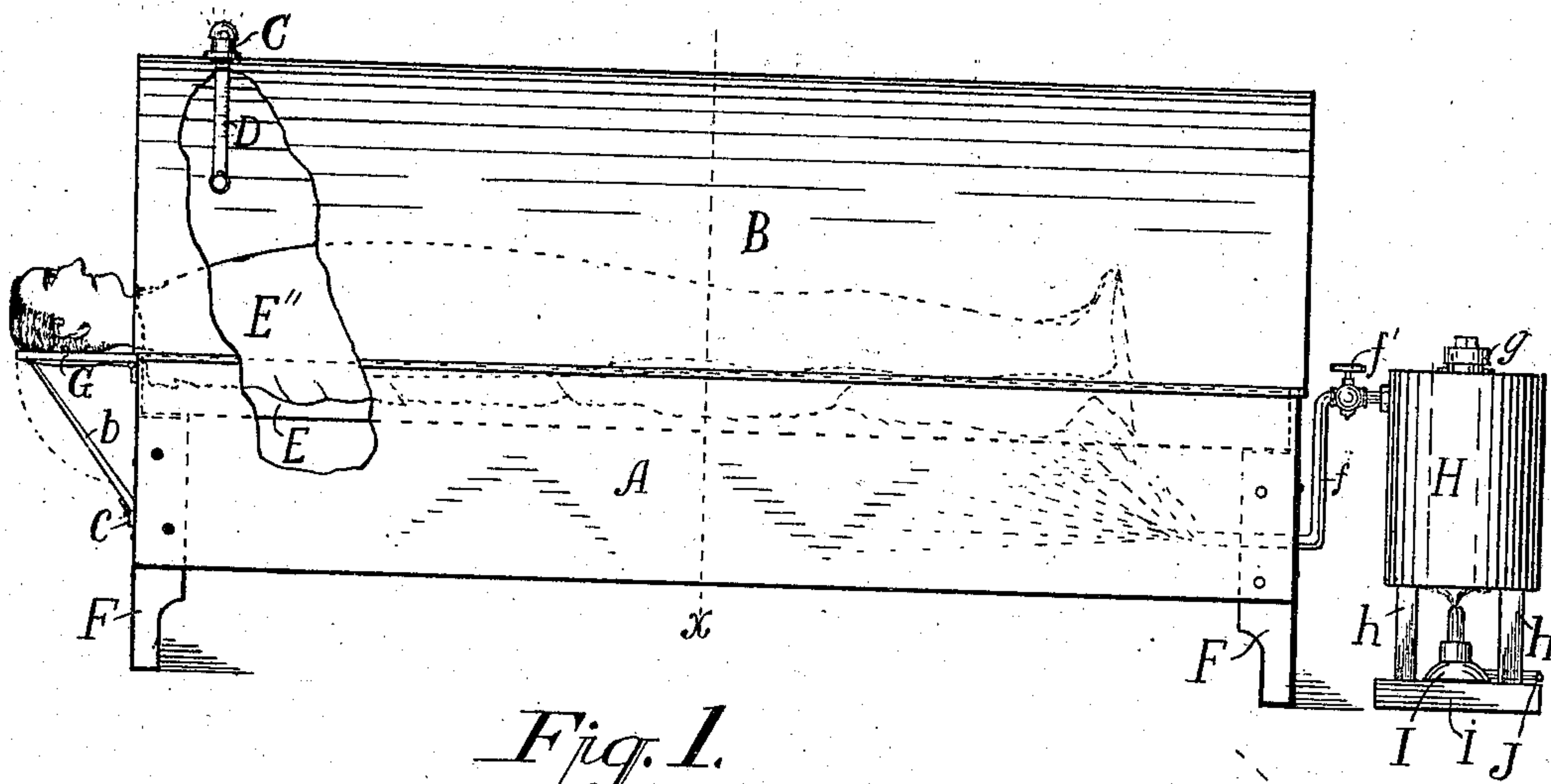


Fig. 1.

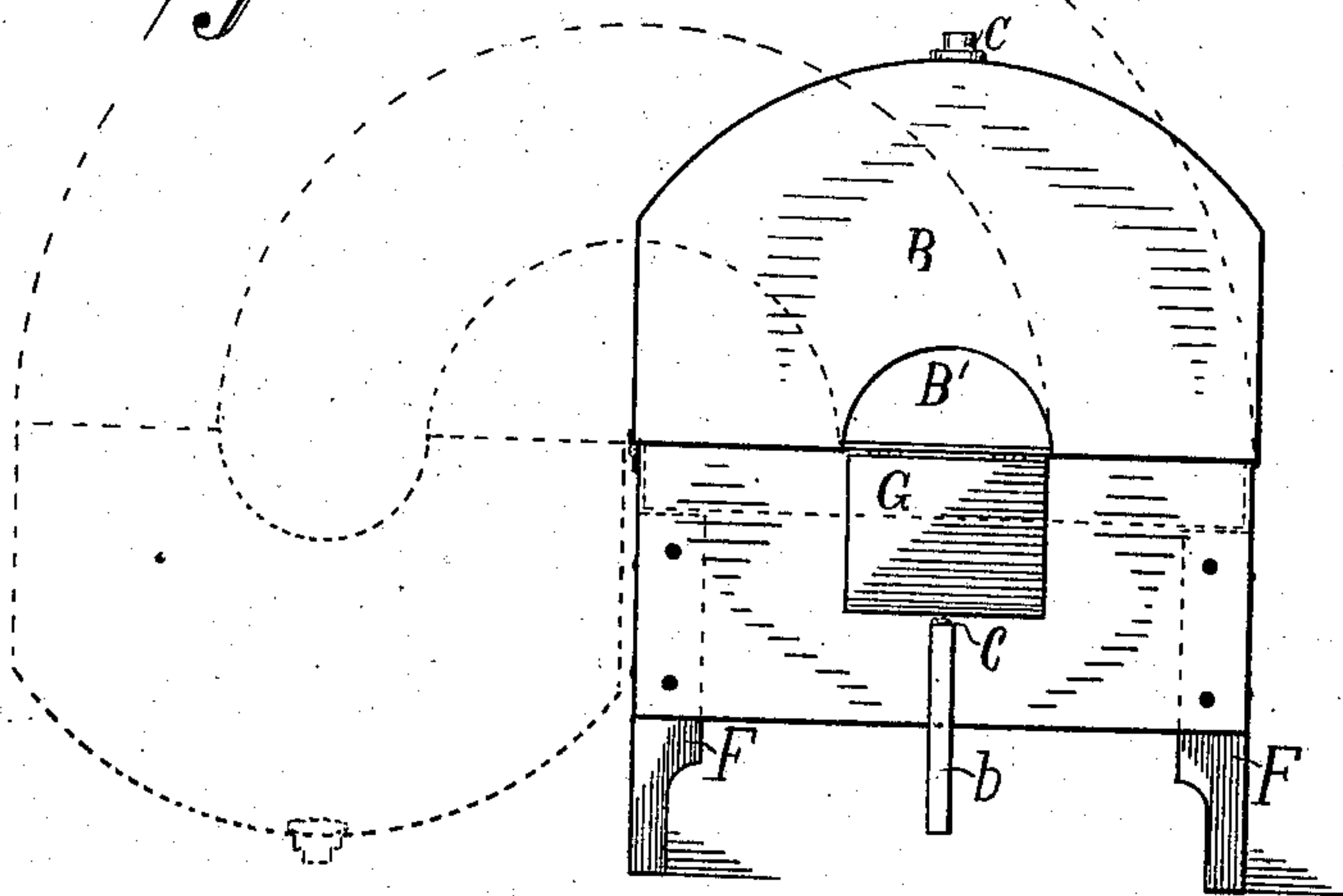
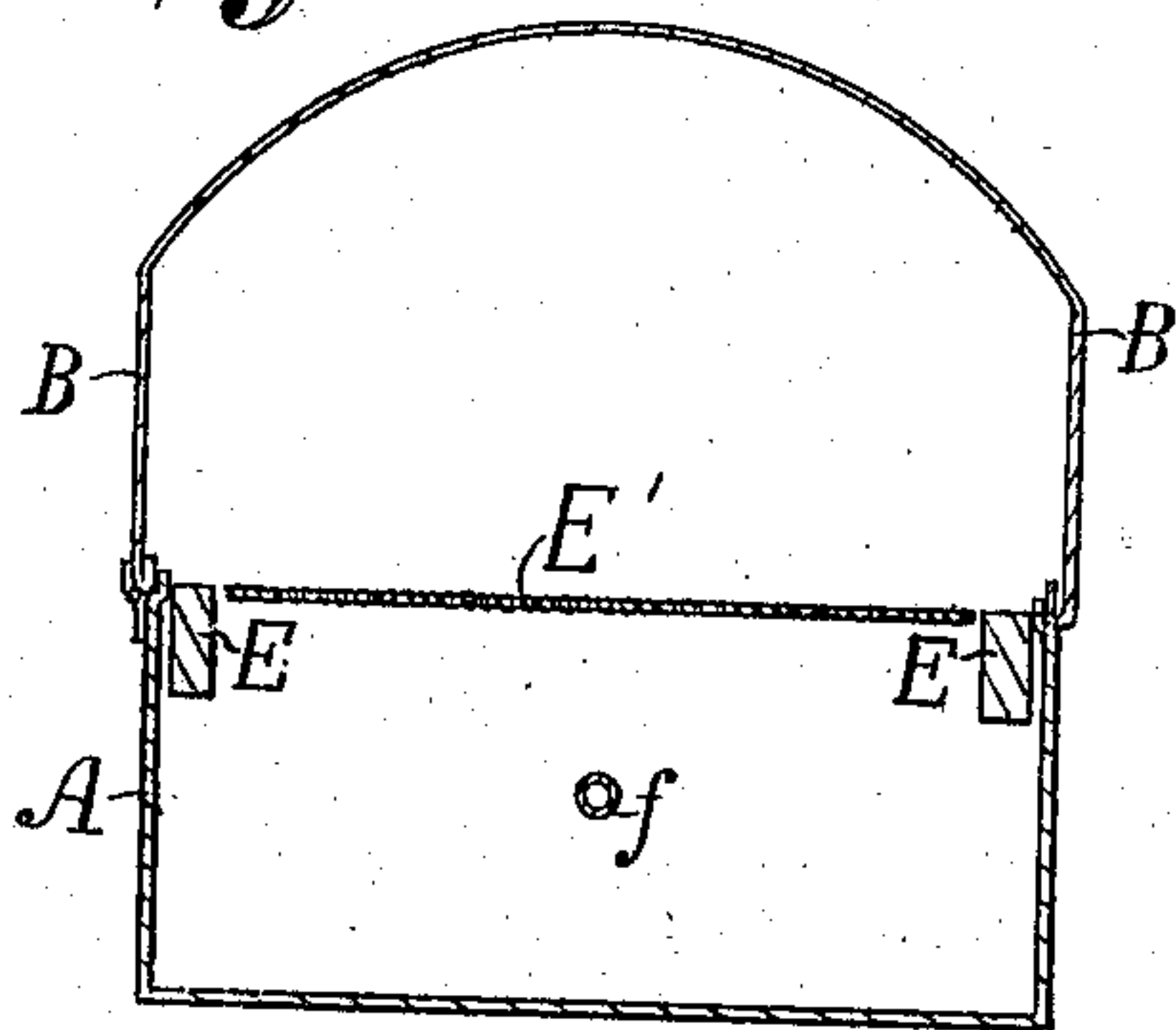


Fig. 2.

Fig. 3.



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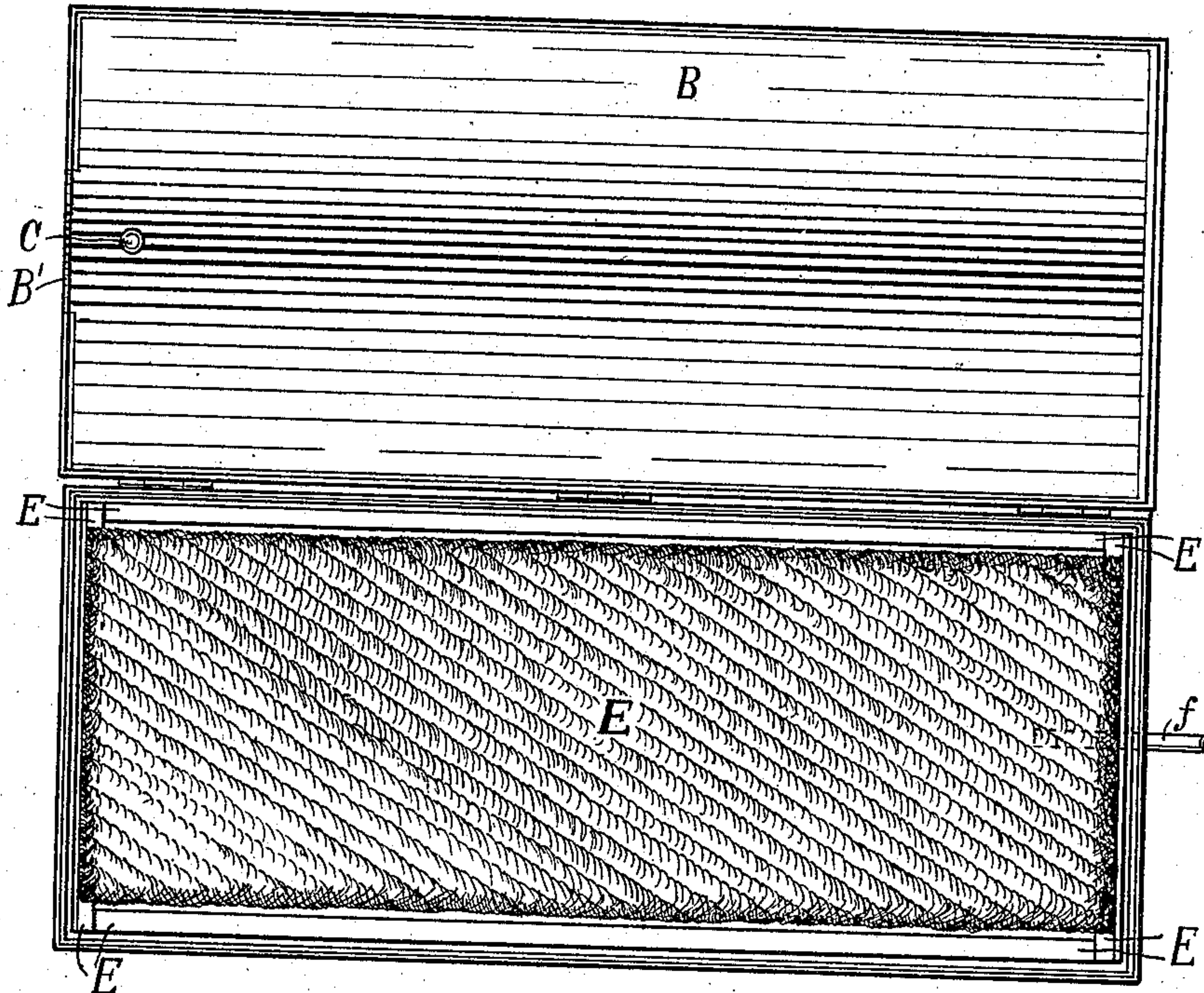
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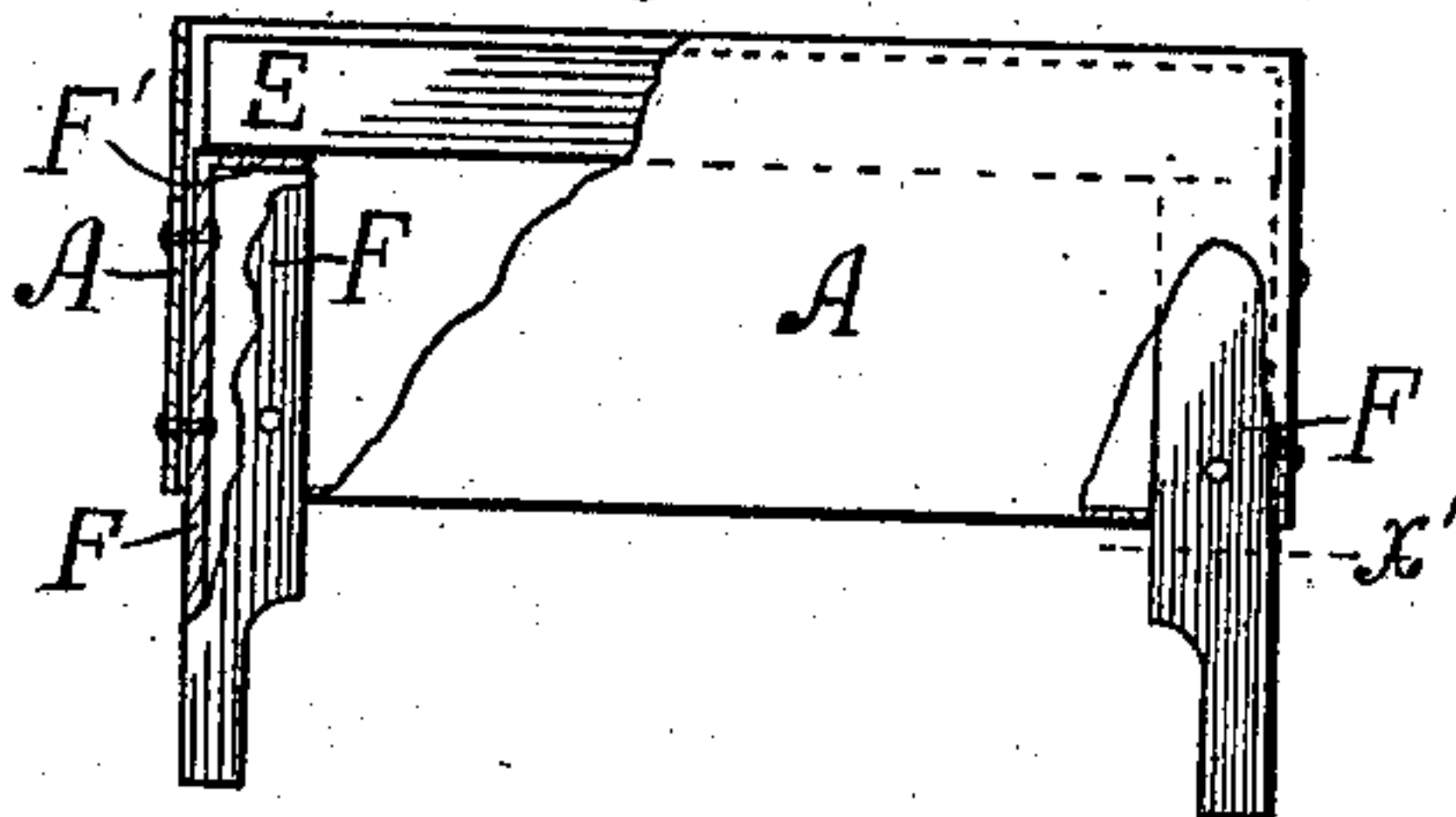
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2 SHEETS—SHEET 2.

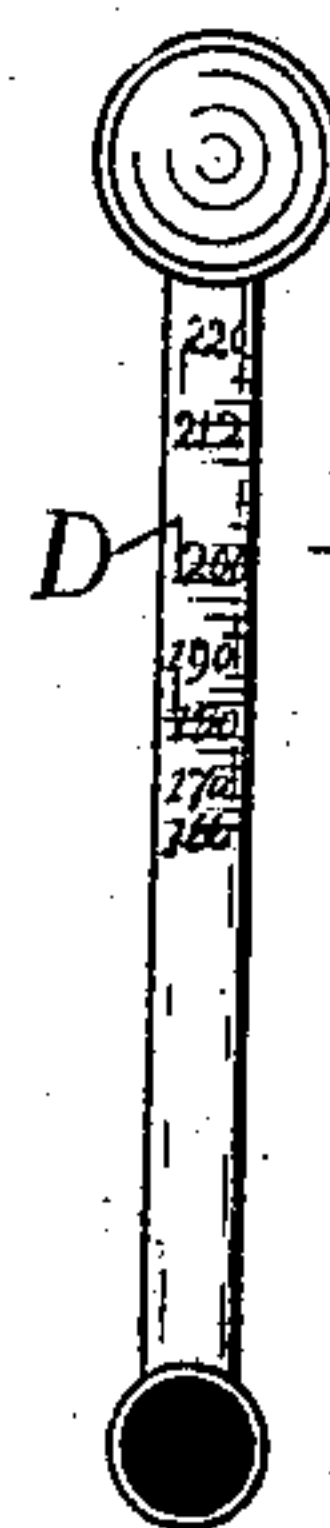
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



*Fig. 7.*

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# UNITED STATES PATENT OFFICE.

JOSEPH F. GRUBBS, OF OKLAHOMA, OKLAHOMA.

## COMBINATION STEAM AND WATER BATH CABINET.

No. 881,855.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed May 6, 1907. Serial No. 371,977.

*To all whom it may concern:*

Be it known that I, JOSEPH F. GRUBBS, a citizen of the United States, residing at Oklahoma city, in the county of Oklahoma, Oklahoma, have invented certain new and useful Improvements in Combination Steam and Water Bath Cabinets, of which the following is a specification.

My invention relates to combination steam and water bath-cabinets in which a rectangular body portion mounted on legs and having a woven-wire-spring cot-frame or other body-rest supported therein is provided with an arch-like close fitting cover, having an opening in its top portion for the egress of steam during a hot bath and water in case of a water bath, the said top or cover serving as a bath tub or trough by turning it over and down upon its hinges to the floor; a thermometer is used in connection with the apparatus to indicate the temperature; the steam is conducted to the apparatus by means of a tube or pipe connected with the steam generator.

The objects of my invention are; first to provide a practical, combined steam and water bath cabinet; second, one which shall be of convenience and effectiveness; third, one of portability and ease of operation for therapeutic and sanitary purposes. I attain these objects by the mechanism illustrated in the accompanying drawings forming a part of this specification, in which—

Figure 1 is a side elevation of the apparatus as in use, a portion of the side being broken away to show the position of the thermometer and the cot or body rest; Fig. 2 is an elevation of the head end of the apparatus as it appears when not in use; Fig. 3 is a transverse section on line *x* Fig. 1; Fig. 4 is a plan view of the apparatus with the cover opened and in position for a water bath; Fig. 5 is a part sectional elevation of one end of the body portion of the apparatus with portions broken away to show the manner in which the legs support the apparatus and the cot-frame or body rest; Fig. 6 is a cross section of one of the four like legs on line *x'* Fig. 5; Fig. 7 is a view in elevation of the thermometer used in connection with the apparatus.

Like letters refer to like parts in the several views.

Referring to the drawings, A is the body portion of the cabinet of which B is the cover hinged to one side thereof in a manner to be turned over and its crown portion rest upon the floor of the room; the short pipe C secured

in and projecting from the crown portion of the said cover near its head end is for the purpose of introducing the thermometer D during a steam bath, to permit the steam to escape when desired and to enter a waste-pipe in the floor for the discharge of waste water after a water bath, the orifice being plugged during active service, see Fig. 2. The body and cover of the cabinet are preferably formed and constructed of sheet metal, although other material may be used, and to afford support for the cot-frame or body-rest E, the four similar, vertical, cabinet-body legs F extend upward through the floor of the cabinet-body at each corner thereof and having their upper ends terminate in rightangled flanges F' upon which the said cot-frame rests; the said legs are preferably composed of a heavier grade of sheet metal and may be off-set at the meeting of the base of the cabinet to be flush with the outer surface thereof and to secure the said legs in place firmly they may be riveted, as in the present case, or soldered to the inner surface of the cabinet-body.

To provide a rest for the head of the patient during a steam bath the board G is attached by hinges *a* to the outer surface of the head end of the cabinet body, and to support the head-rest G in a horizontal position the brace *b* is provided, having its lower end hinged to the end of the cabinet-body by the hinge *c* in a manner to hang vertically like the head-rest when not in use to afford compactness; and to give room for the patient's neck a semi-circular portion is cut from the central marginal part of the head end of the cover B as at B'; and to secure a comparatively tight joint at the meeting of the cabinet-body and the said cover the meeting edge thereof is turned inwardly and folded upon itself, and the margin of the base A is inwardly off-set, see Fig. 3. Upon the woven wire spring E' of the cot-frame or body-rest E a blanket or a mattress is placed for the patient or person to lie upon during the steaming process, being covered with a sheet E'' or other light fabric.

The steam enters the foot end of the cabinet base near the center thereof being conducted through the pipe *f* leading from the steam generator H provided with a filling cap *g* in its top, and resting upon the uprights *h* secured in the base *i*; between said uprights a lamp may be placed upon the base to heat the water in the generator H, or preferably a gas-jet stand I with its pipe J leading to the



source of supply of gas. The steam pipe *f* is provided with a stop-cock *f'* for regulating or shutting off the flow of steam into the cabinet.

5 In operation, having raised the temperature of the water in the generator *H*, turn the cover of the cabinet back, place the patient or person upon the cot or body-rest, as shown in Fig. 1, with the head upon the  
10 head-rest *G*; spread a sheet *E''* over the person; return the cover *B* to its normal position; place the thermometer *D* in the cabinet by extending it down through the opening in the short pipe *C* as far as the head  
15 of the thermometer will permit the said head serving as a safety plug permitting the escape of surplus steam; turn the steam into the cabinet which should continue until the patient is in a lively state of perspiration, the  
20 duration of the time depending upon the needs and desires of the patient, the object being to remove by means of perspiration the impurities in the patient's system and produce healthy action and hygienic conditions  
25 in the patient; the proper time limit having been reached, the steam is turned off and the patient is permitted to cool gradually until the proper temperature is reached then rubbed, dried and removed from the cabinet,  
30 the thermometer having been removed before turning the cover *B* back. For a water bath place the cabinet cover *B* in the position indicated by the dotted lines in Fig. 2, place a rubber or other plug in the orifice of  
35 the short pipe *C* from within, its projecting portion being within the waste-pipe (not shown but understood), place the water in cover *B* which now becomes a bath-tub; after using the water for a bath remove the aforementioned plug and permit the water to escape.  
40

The construction shown and described may be modified to a reasonable degree with-

out departing from the spirit of my invention.

What I claim as new and useful and desire to secure by Letters Patent, is—

1. In the combination of a steam and water bath-cabinet, a longitudinally rectangular body portion *A* having a floor and vertical side and end walls mounted upon four legs secured to the inner surface of said walls and having their upper ends bent to form right-angled flanges, a body-rest supported by said flanges, a longitudinally rectangular cover *B* being transversely circular or oval and pivotally secured to the outer marginal surface of one of the side walls of the cabinet-body in a manner to be turned down and constitute a water-bath tub, having a plugable waste-water orifice in its concave bottom to drain off the refuse water, a thermometer inserting and steam-emitting stub pipe *C* secured to the outer upper surface and near the head end of the said cover, means for generating and conducting steam into the body portion of the said cabinet, substantially as described.

2. In a bath cabinet of the class described having a body portion and a corresponding cover or top portion with a steam emitting and thermometer inserting stub pipe in its top portion externally secured thereto, a ball-head thermometer *D* extending interiorly through the orifice of said pipe to indicate the temperature within the cabinet the thermometer-head serving to suspend the stem portion and as a steam check or valve during service, as set forth and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH F. GRUBBS.

Witnesses:

W. A. HOBBS,

W. V. MAGUIRE.