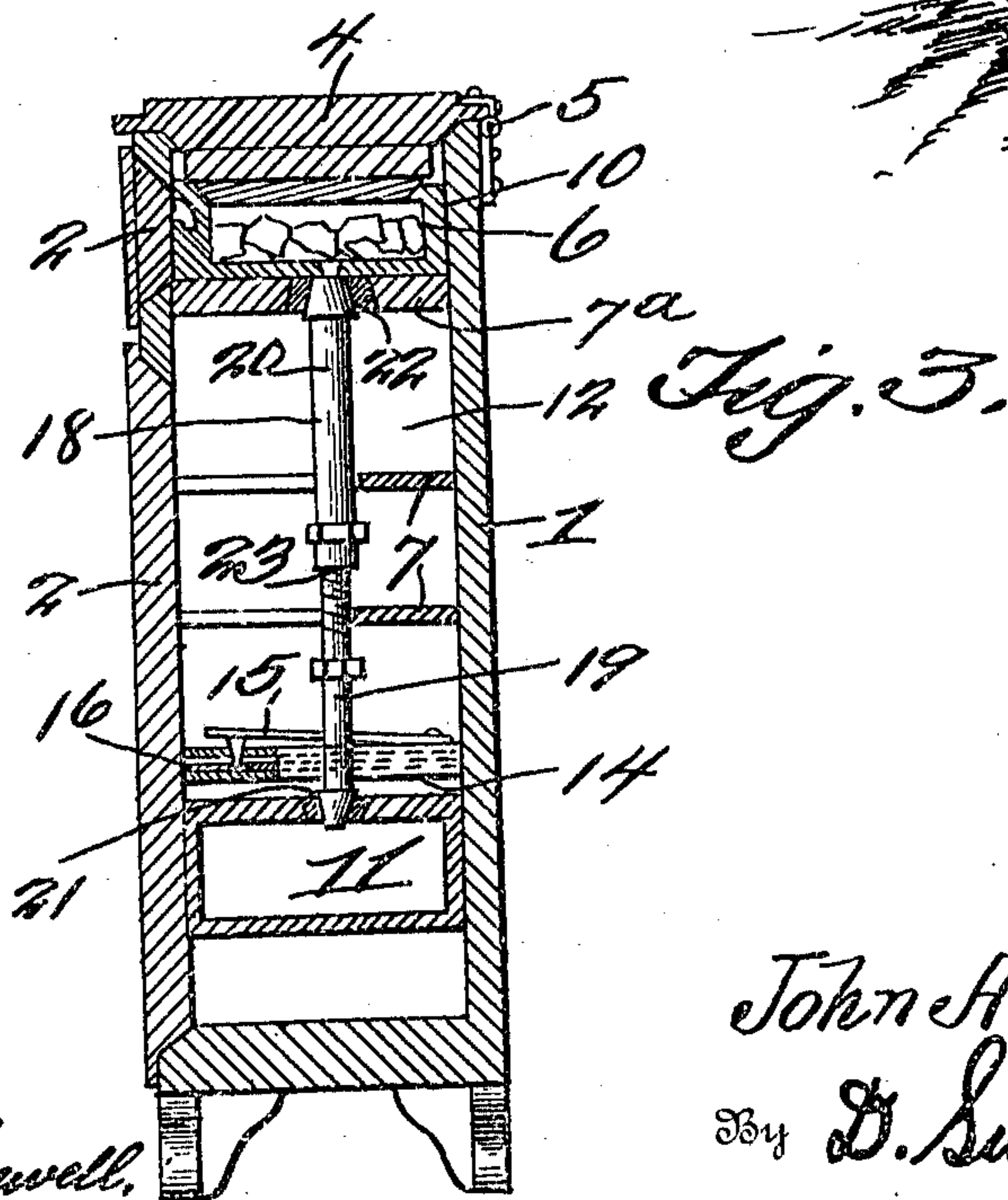
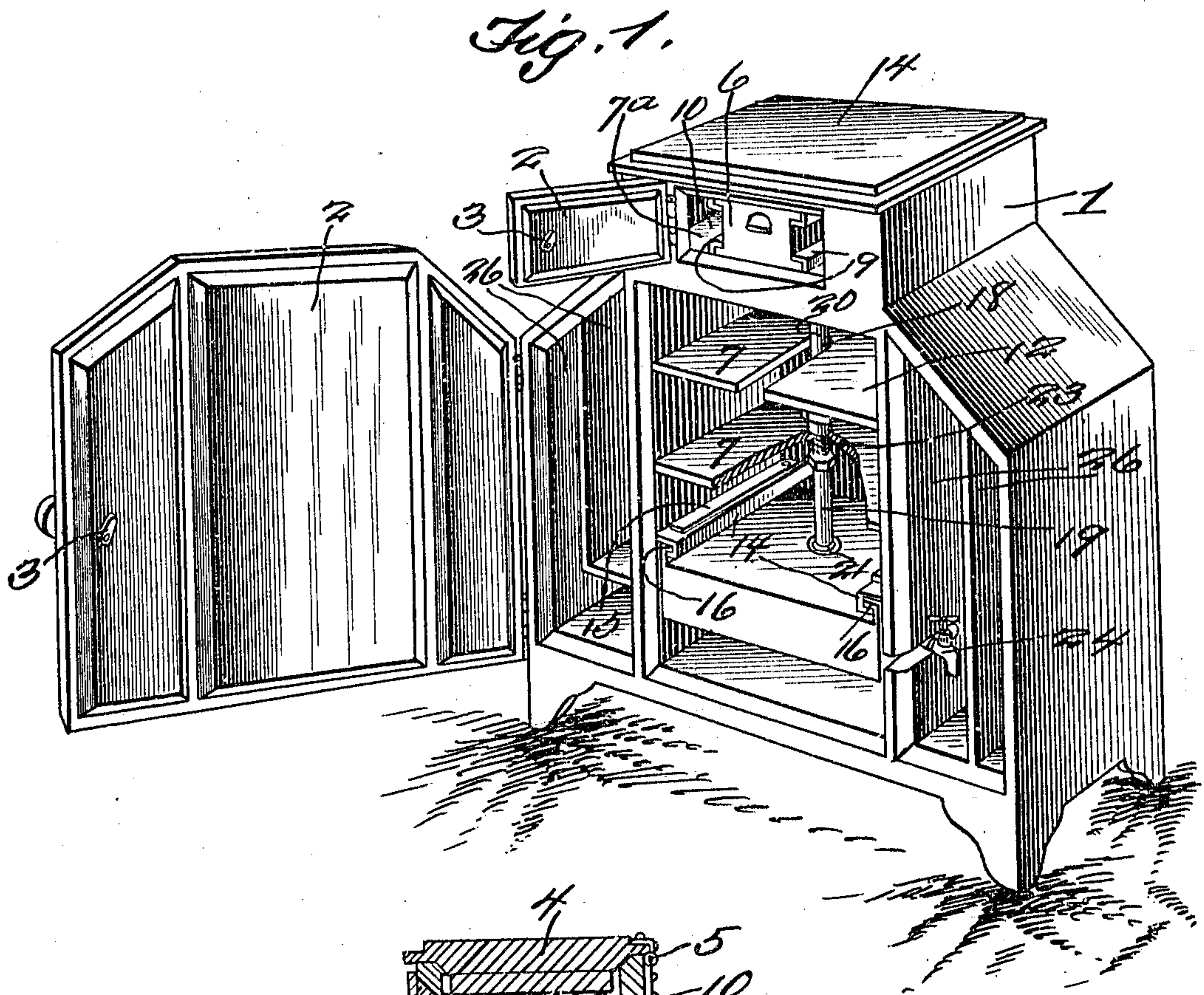


J. A. MOORE.
REFRIGERATOR.
APPLICATION FILED NOV. 6, 1909.

953,050.

Patented Mar. 29, 1910.

2 SHEETS—SHEET 1.



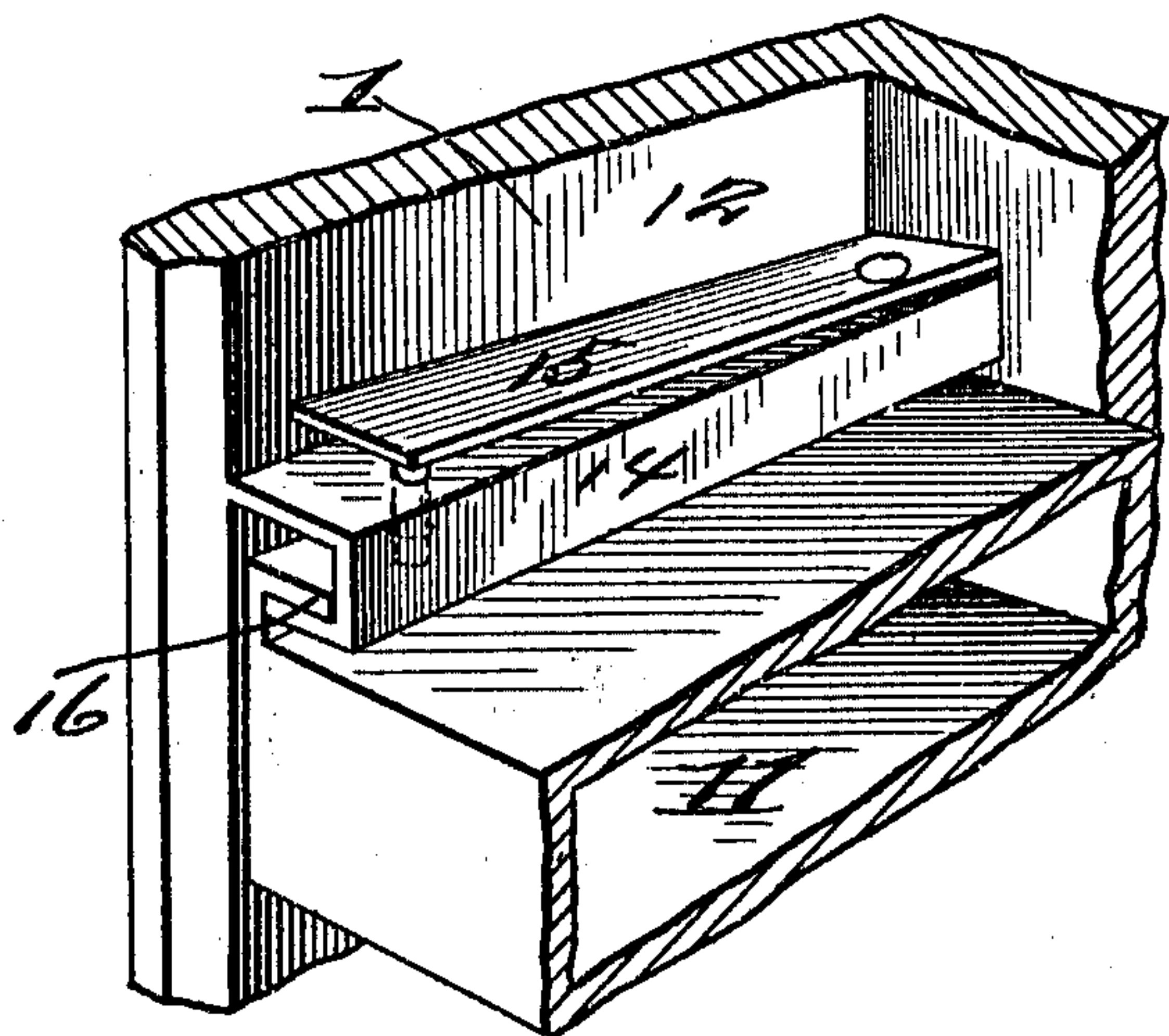
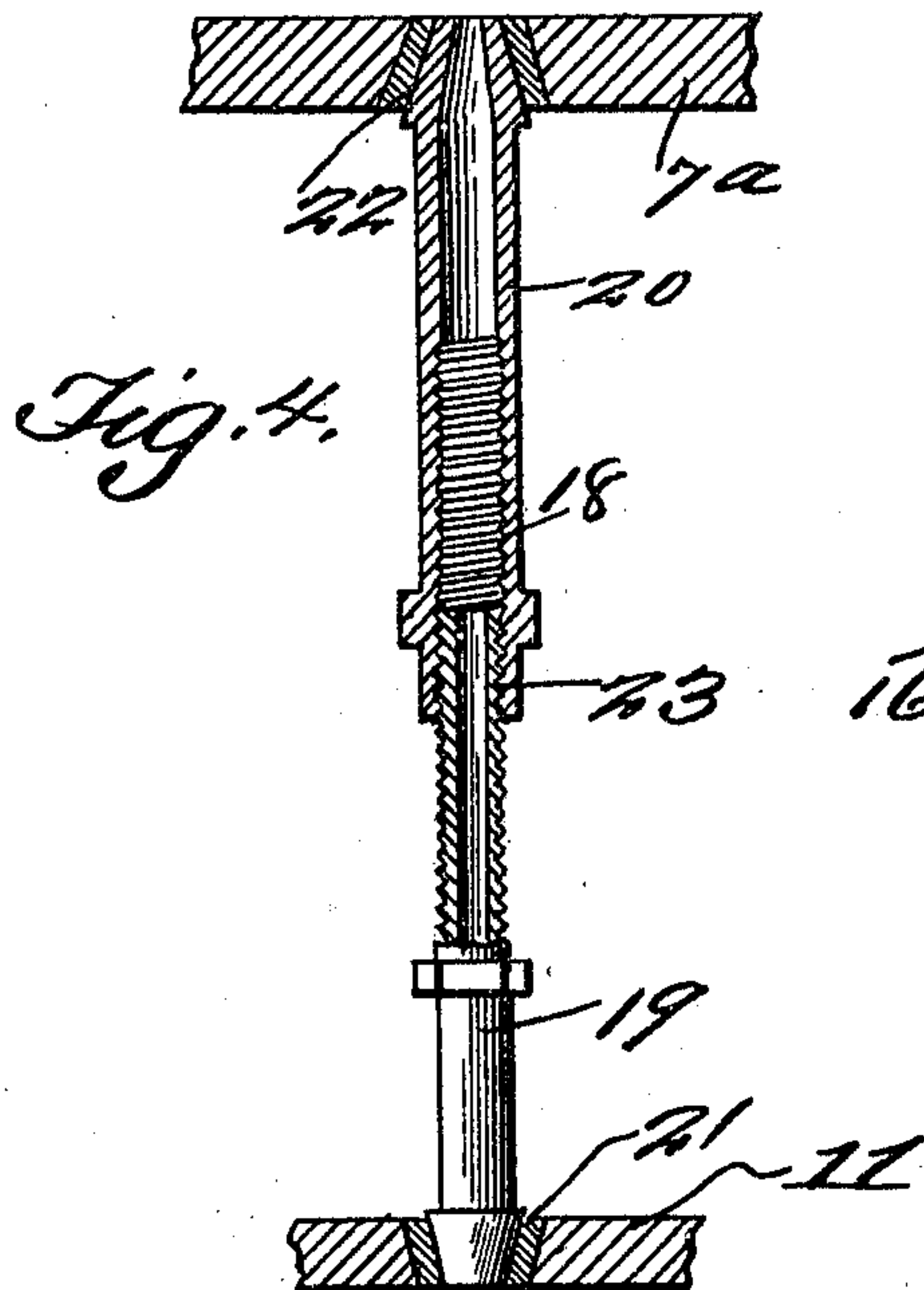
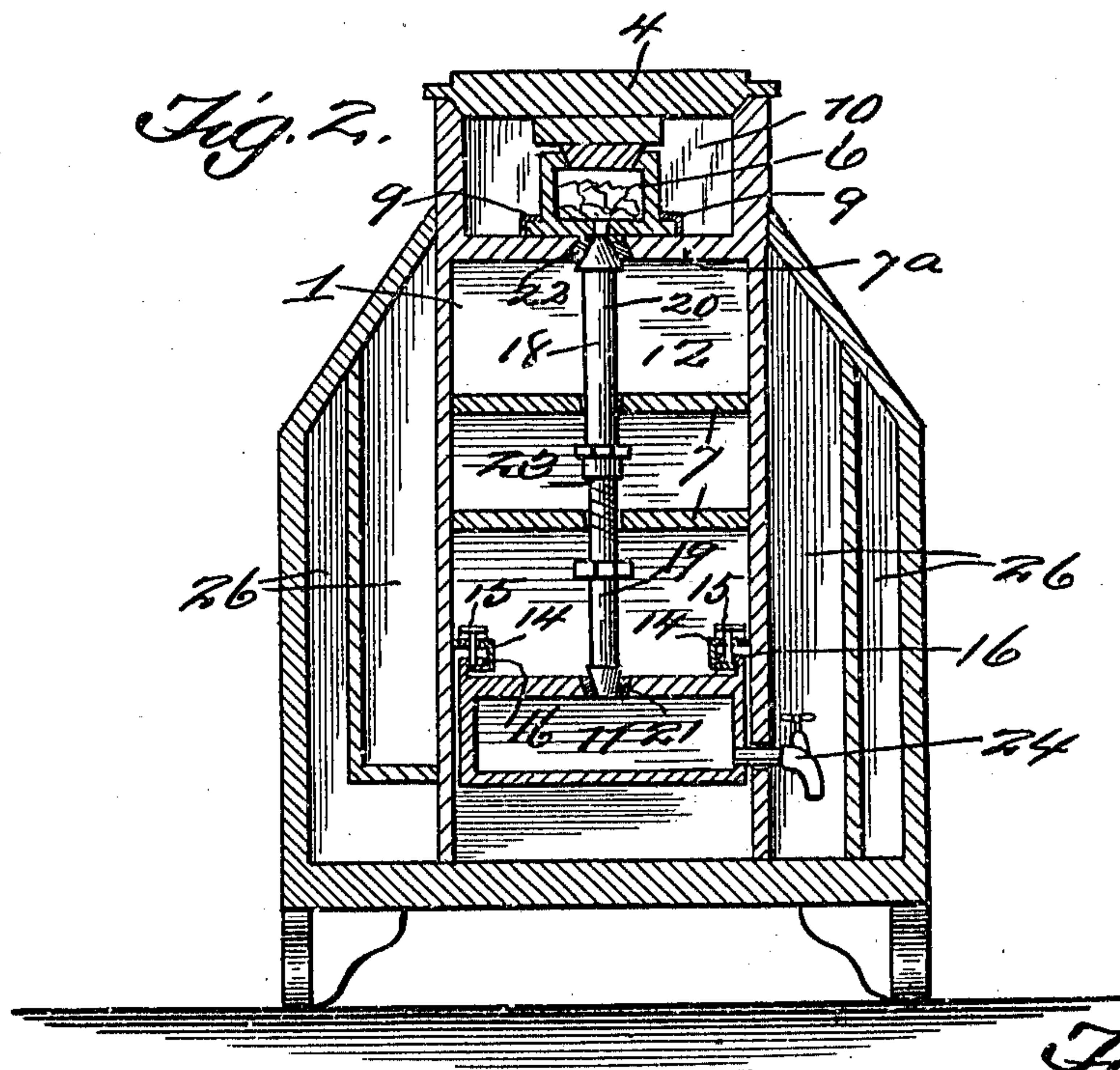
Witnesses
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UNITED STATES PATENT OFFICE.

JOHN A. MOORE, OF EUREKA, KANSAS.

REFRIGERATOR.

953,050.

Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed November 6, 1909. Serial No. 526,640.

To all whom it may concern:

Be it known that I, JOHN A. MOORE, a citizen of the United States, residing at Eureka, in the county of Greenwood and State of Kansas, have invented a new and useful Refrigerator; and I do hereby 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 appertains to make and use the same.

This invention pertains to a new and useful refrigerator, the object of which is to provide a device of the design shown in the drawings, having an air-tight ice chest, and provided with a lower air-tight tank between which and the ice chest a two-part conduit is arranged, through which the drainage from the ice is conducted into the lower air-tight tank, in order to provide cooling means for the lower portion of the refrigerator.

One of the objects of the invention is the provision of means, between the sides of the refrigerator's casing and the lower air-tight tank, whereby the tank may be securely and properly supported in position.

A further object is to provide means between one of the sections or parts of the conduit and the air-tight tank, whereby said part or section may be allowed to have a rotatable or turnable action in order to permit it to be connected to the other section, when the various parts of the structure are being assembled. The upper section or part of the conduit is also provided with a connection between it and the air-tight ice chest whereby the conduit may be turned or rotated.

With the above objects, the invention consists in various other features and combinations of parts which will be hereinafter set forth and pointed out in the appended claims.

In the drawings:—Figure 1 is a perspective view of the refrigerator, showing the doors or closures opened. Fig. 2 is a vertical sectional view through the refrigerator. Fig. 3 is a transverse sectional view. Fig. 4 is an enlarged detail sectional view of the connections between the conduit, the ice chest and the air-tight receptacle, and Fig. 5 is an enlarged detail view of the means for supporting the air-tight tank within the refrigerator's casing.

Referring to the annexed illustrations, 1 designates the refrigerator's casing, having

the usual doors or closures 2. These doors or closures are provided with the usual fastening means 3, whereby they may be securely held closed. The upper portion of the refrigerator's casing is provided with the usual cover or closure 4 which may be raised upon its hinges 5 as in the usual manner, in order to obtain access to the air-tight chest 6. The refrigerator's casing is provided with the usual tiers of shelves 7. Upon the shelf 7^a is supported the air-tight ice chest (which may be removable if desired) and when in the refrigerator's casing, the same is held in position by means of suitable clamps or fastening devices 9 (which are carried by the shelf 7^a). This shelf 7^a divides the refrigerator into two compartments, the upper and lower compartments 10 and 12. The upper compartment is subdivided by the air-tight ice chest, while the lower compartment, as before stated, is provided with the tiers of shelves 7.

Located and supported within the lower portion of the lower compartment 12 is an air-tight tank 11. The sides of the refrigerator's casing are provided with guideways 14 between which the air-tight tank is positioned. These guideways are provided with devices 15 to engage flanges 16 of the tank to prevent displacement thereof.

Connecting the air-tight tank 11 and the ice chest 6 is a suitable conduit 18 comprising two sections or parts 19 and 20. The part or section 19 has an air-tight turnable connection 21 with the tank 11, while the part or section 20 is provided with an air-tight rotatable or turnable connection 22 with the ice chest 6. These two sections or parts 19 and 20 are connected together by a threaded connection to form a union as at 23. This conduit is provided for the purpose of allowing the ice cold drainage from the ice chest to enter the air-tight tank 11, so as to keep the lower portion of the lower compartment cool. This construction between the air-tight tank and the ice chest is for the purpose of allowing the various parts of the refrigerator, especially the ice chest 6 and tank 11, to be easily assembled, and to further permit the removal of either the tank 11 or the ice chest 6, as desired.

Leading from the air-tight tank is a suitable faucet 24 having the usual valve (the detailed structure of which is not shown) whereby control of the fluid in the tank 11 may be regulated.

In Fig. 1 of the drawings, the refrigerator is shown as provided with laterally extending winged inclosures or compartments 26, whereby further space or room may be had for the accommodation of various articles.

From the foregoing, it will be clearly evident that a refrigerator is provided having means for utilizing the cold drainage from the ice chest, in order to enable the lower portion of the lower compartment 12 of the refrigerator to be kept cool. It will be further noted that novel means is provided for allowing the removal of either the tank 11 or the ice chest 6, and permitting ready connections of these parts when assembling the structure of the refrigerator.

Having thus fully set forth the invention, what is claimed as new and useful, is:—

1. In a refrigerator having an upper and lower compartment, the upper compartment having a removable air-tight ice chest, means for fastening the chest in said upper compartment, the lower compartment having an air-tight fluid tank, and a conduit comprising two sections coupled together and having rotatable connections between the air-tight ice chest and the tank, whereby the fluid from the chest may be conducted to the tank.

2. In a refrigerator having an upper and lower compartment, the upper compartment having a removable air-tight ice chest, means for fastening the chest in said upper com-

partment, the lower compartment having an air-tight fluid tank, a conduit comprising two sections coupled together and having rotatable connections between the air-tight ice chest and the tank, whereby the fluid from the chest may be conducted to the tank, and means to permit the ready removal or insertion of the said tank.

3. In a refrigerator having an upper and lower compartment, the upper compartment having a removable air-tight ice chest, means for fastening the chest in said upper compartment, the lower compartment having an air-tight fluid tank, a conduit comprising two sections coupled together and having rotatable connections between the air-tight ice chest and the tank, whereby the conduit may be rotated in order to insure a tight connection between the conduit and the chest and tank said conduit is designed to conduct the fluid from the chest to the tank, and means to permit the ready removal or insertion of the said tank, said refrigerator having means to securely hold the tank in place and to prevent displacement thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN A. MOORE.

Witnesses:

H. L. SNODDY,
J. F. DARBY.