

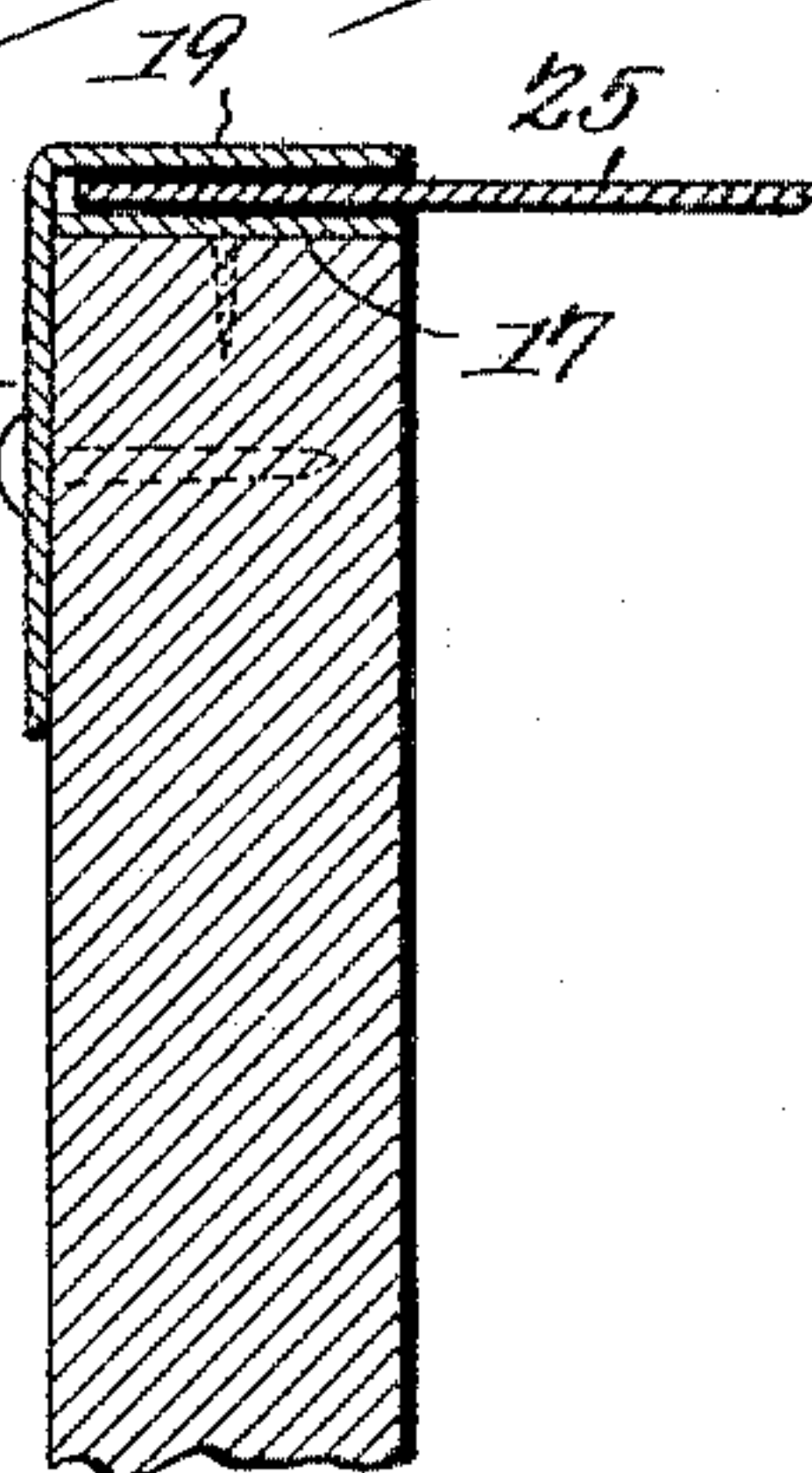
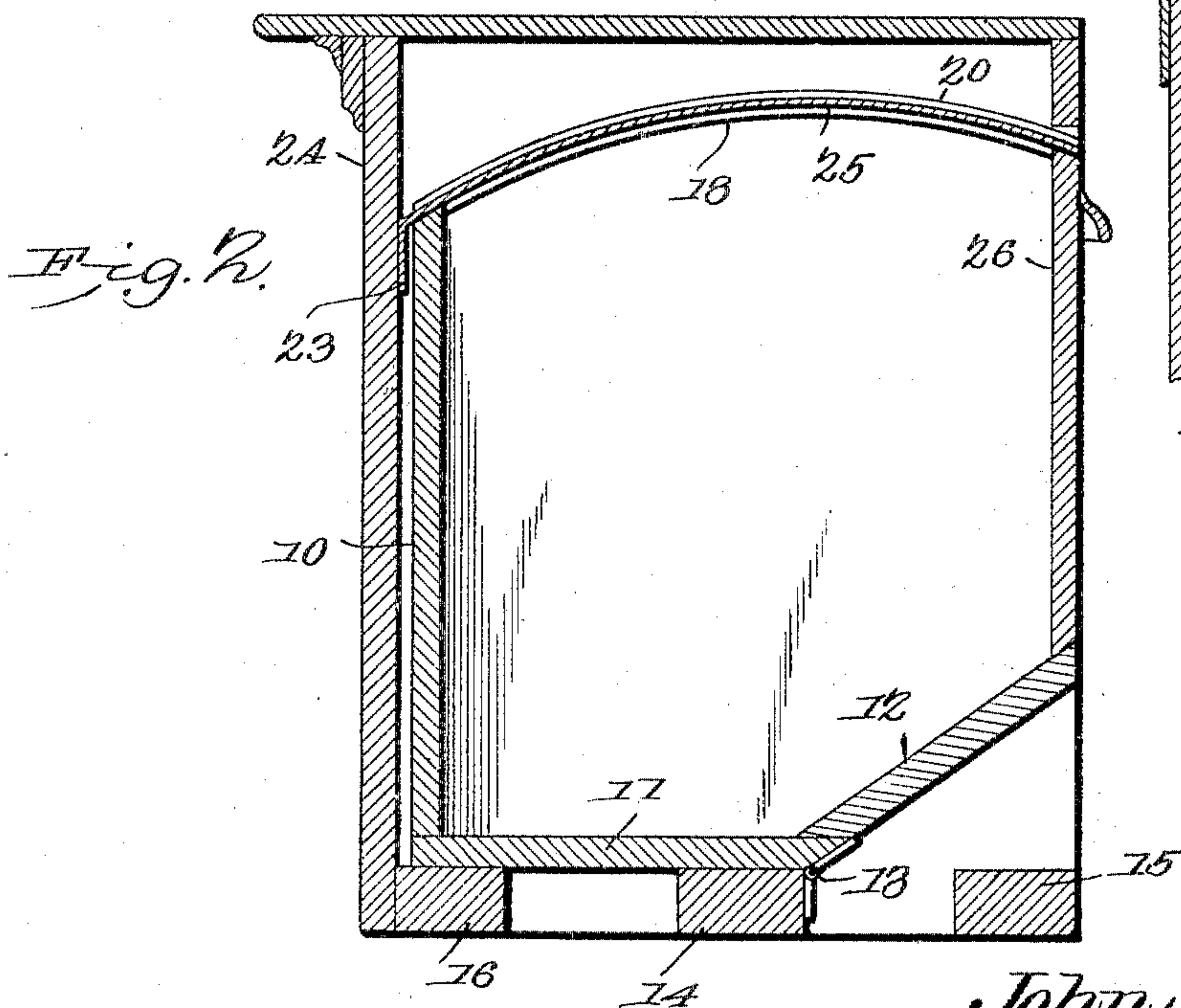
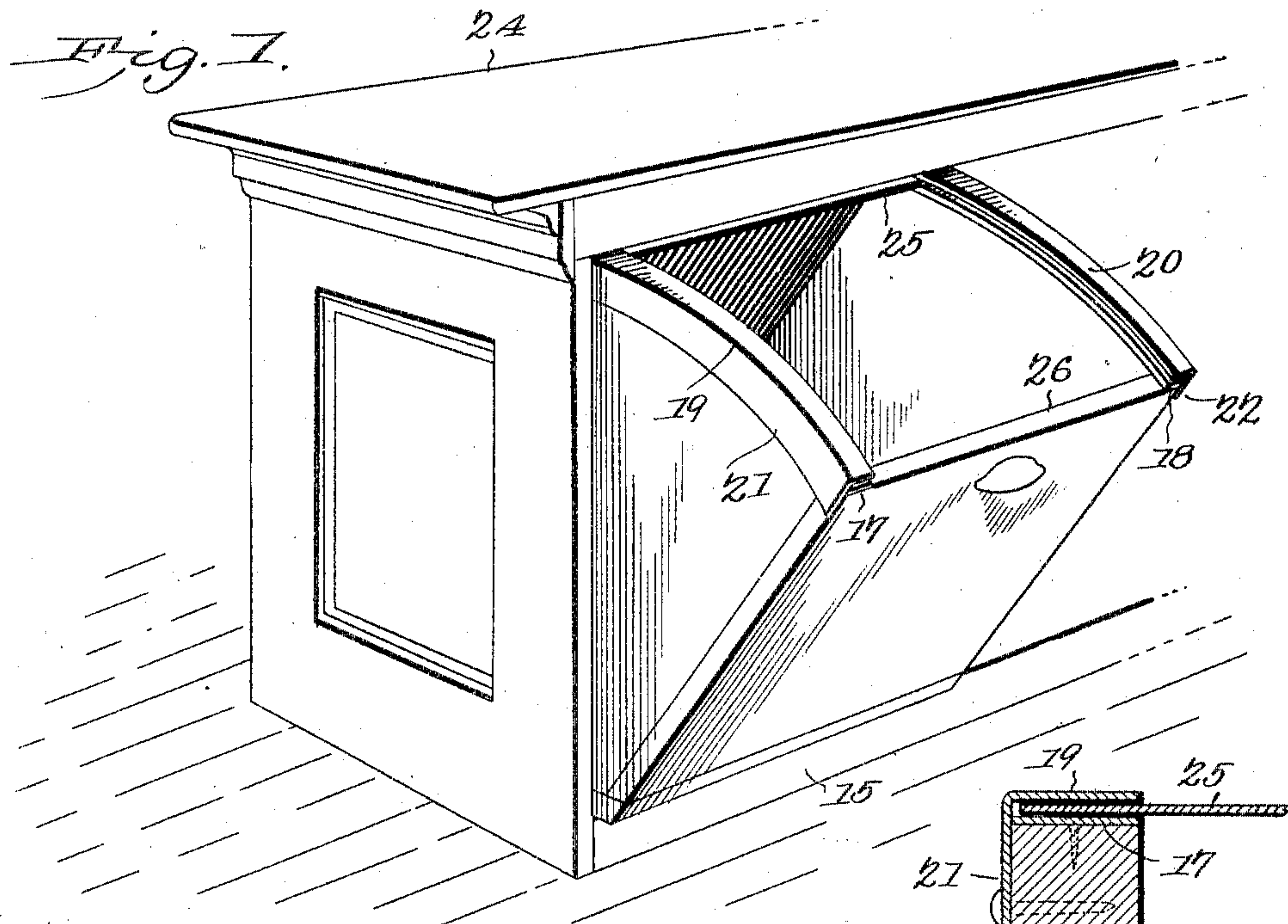
No. 776,812.

PATENTED DEC. 6, 1904.

J. STRINE, SR.
GROCERY BIN.

APPLICATION FILED MAY 21, 1904.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN STRINE, SR., OF DOWNEY, CALIFORNIA.

GROCERY-BIN.

SPECIFICATION forming part of Letters Patent No. 776,812, dated December 6, 1904.

Application filed May 21, 1904. Serial No. 209,093. (No model.)

To all whom it may concern:

Be it known that I, JOHN STRINE, Sr., a citizen of the United States, residing at Downey, in the county of Los Angeles and State of California, have invented a new and useful Grocery-Bin, of which the following is a specification.

This invention relates to the class of tilting storage-bins for flour, sugar, and similar commodities, more particularly to those employed in grocery and provision stores, but which may also be employed in kitchen-cabinets and similar structures or in connection with the permanent shelving in pantries, storerooms, and similar localities, and has for its object to improve the construction and provide a simply-arranged device whereby the labor of operating the device is reduced and the contents more thoroughly protected.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages, and the right is therefore reserved of making all the changes and modifications which fairly fall within the scope of the invention and the claim made therefor.

In the drawings thus employed, Figure 1 is a perspective view of a portion of a counter with one of the improved tilting bins connected therewith in open position. Fig. 2 is a transverse section with the bin closed. Fig. 3 is an enlarged sectional detail of the combined guide and guard-plates.

In the improved device is comprised a bin or receptacle (represented as a whole at 10) of any desired capacity or of any suitable ma-

terial and having parallel sides and front and rear walls, while the bottom has two portions 11 and 12, one at a right angle to the front and rear walls and the other being disposed obliquely thereto. The receptacle is mounted to tilt upon the juncture of its two bottom portions by hinges 13, connecting it to a supporting member 14, the supporting member being flanked upon either side by spaced supporting members 15 16, one to support the receptacle when in vertical position and the other to support the same when in its tilted position. Thus when the receptacle is in vertical position the rear portion 11 of the bottom will rest upon the supporting member 16, and then when tilted forward or in open position the inclined portion 12 will rest upon the supporting member 15, as will be obvious. Thus while the receptacle is free to be tilted upon its hinge 13 it will be firmly supported and limited in its movement in both directions. The portion 11 is longer than the portion 12, so that the hinge 13 comes somewhat forward of the center of the receptacle. Hence when the receptacle is closed it will be slightly overbalanced and remain closed by its own gravity, while at the same time when tilted forward until the center of gravity is brought forward of the vertical plane through the hinge 13 the receptacle will remain open from the same cause. The labor required to tilt the receptacle is therefore reduced to a minimum no matter how heavily loaded.

The upper or free end of the receptacle is curved in the segment of a circle of which the hinge 13 is the center and the curved edges guarded by metal wear-strips 17 18 and covered with guard-plates 19 20, curved to correspond to strips 17 18 and spaced therefrom and provided with flanges 21 22, by which the guard-strips are connected to the receptacle. Curved channels are thus formed above the curved edges of the receptacle and opening inwardly.

Attached, as at 23, to a stationary support 24 is a cover-plate 25, preferably of sheet metal and curved to correspond to the curved guard-plates and with its edges entering the channels formed thereby. The cover-plate 25 terminates at the forward edge 26 of the front

of the receptacle 10 when the latter is in its vertical position, so that when the receptacle is thus disposed it will be entirely closed, but when the receptacle is tilted forwardly the cover member will remain in position attached to the support 24 and not prevent access to the receptacle, as will be obvious. Then when the receptacle is returned to its closed position the guide members traveling over the edges of the cover guide the same to its former position again. It will be observed that the front edges of the guideways are open and that the cover-plate extends out flush with the front of the receptacle, so that any dirt or other material which may become lodged in the guideways will be forced out at the front end of such guideways when the receptacle is restored to the closed position. (Illustrated in Fig. 2.) By this simple means it is obvious a closely-fitting vermin, dust, and moisture proof cover is provided for the receptacle, which automatically closes the same and also automatically opens when required.

The whole device is simple in construction and can be readily installed beneath a counter, within a kitchen-cabinet, pantry, store-room

or the like, or against a wall or other stationary support where the members 14, 15, and 16 may be located or to which the member 25 may be attached.

Having thus described the invention, I claim—

An open-top receptacle having a bottom with portions arranged in planes at an angle to each other, thereby to permit the receptacle resting in either open or closed position, spaced strips arranged on the upper edge of the receptacle and extending from the front to the rear thereof, said strips being spaced to form a guideway open at both of its ends, and a stationary cover secured at its rear end to the inclosing casing and extending flush with the front of the receptacle when the latter is in closed position.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN STRINE, SR.

Witnesses:

D. L. STRINE,
J. O. BUTLER.