

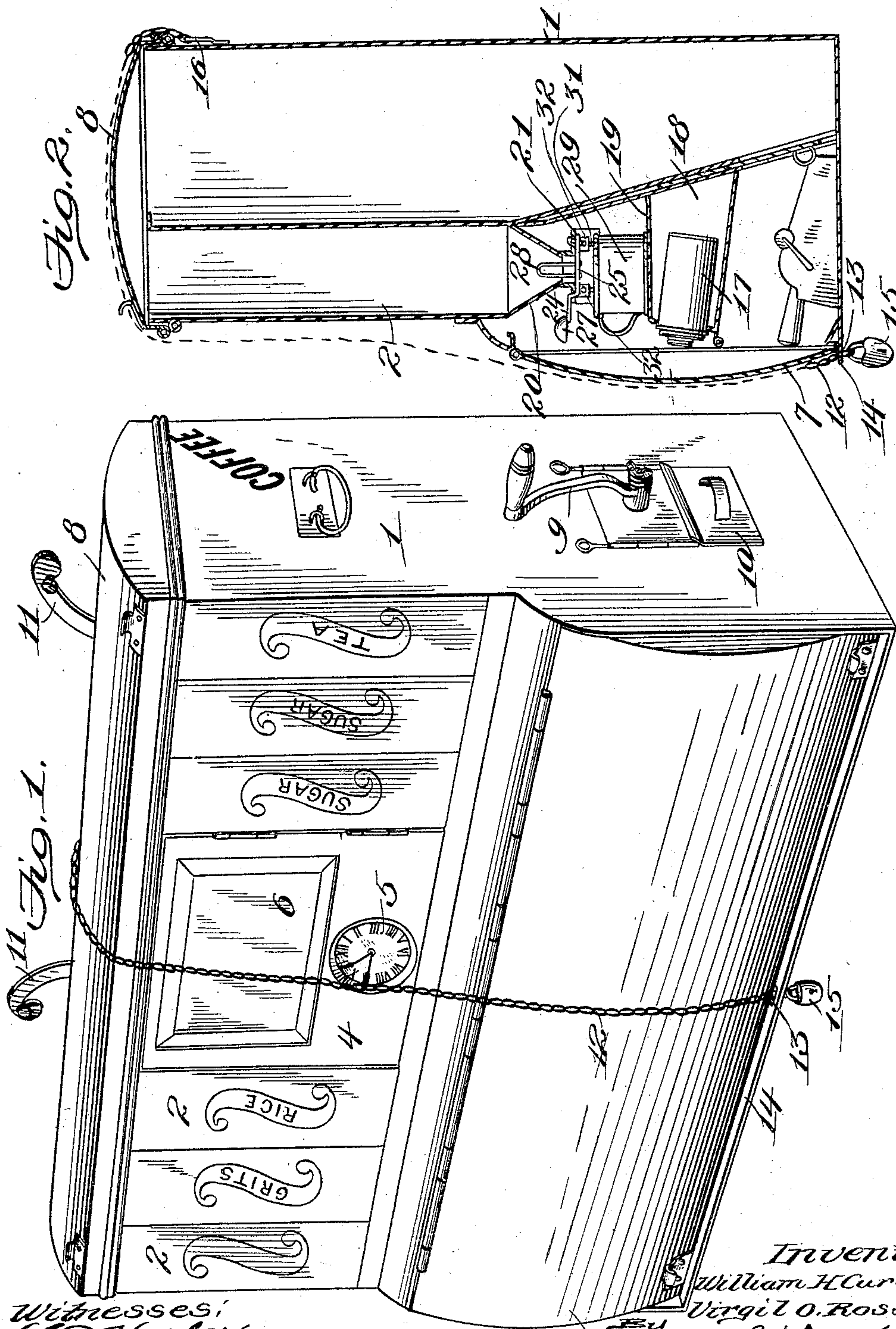
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PATENTED JUNE 2, 1908.

W. H. CURTICE & V. O. ROSSER.  
KITCHEN CABINET.

APPLICATION FILED NOV. 11, 1907.

3 SHEETS—SHEET 1.



Witnesses:  
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*William H. Curtice*  
*Virgil O. Rosser*  
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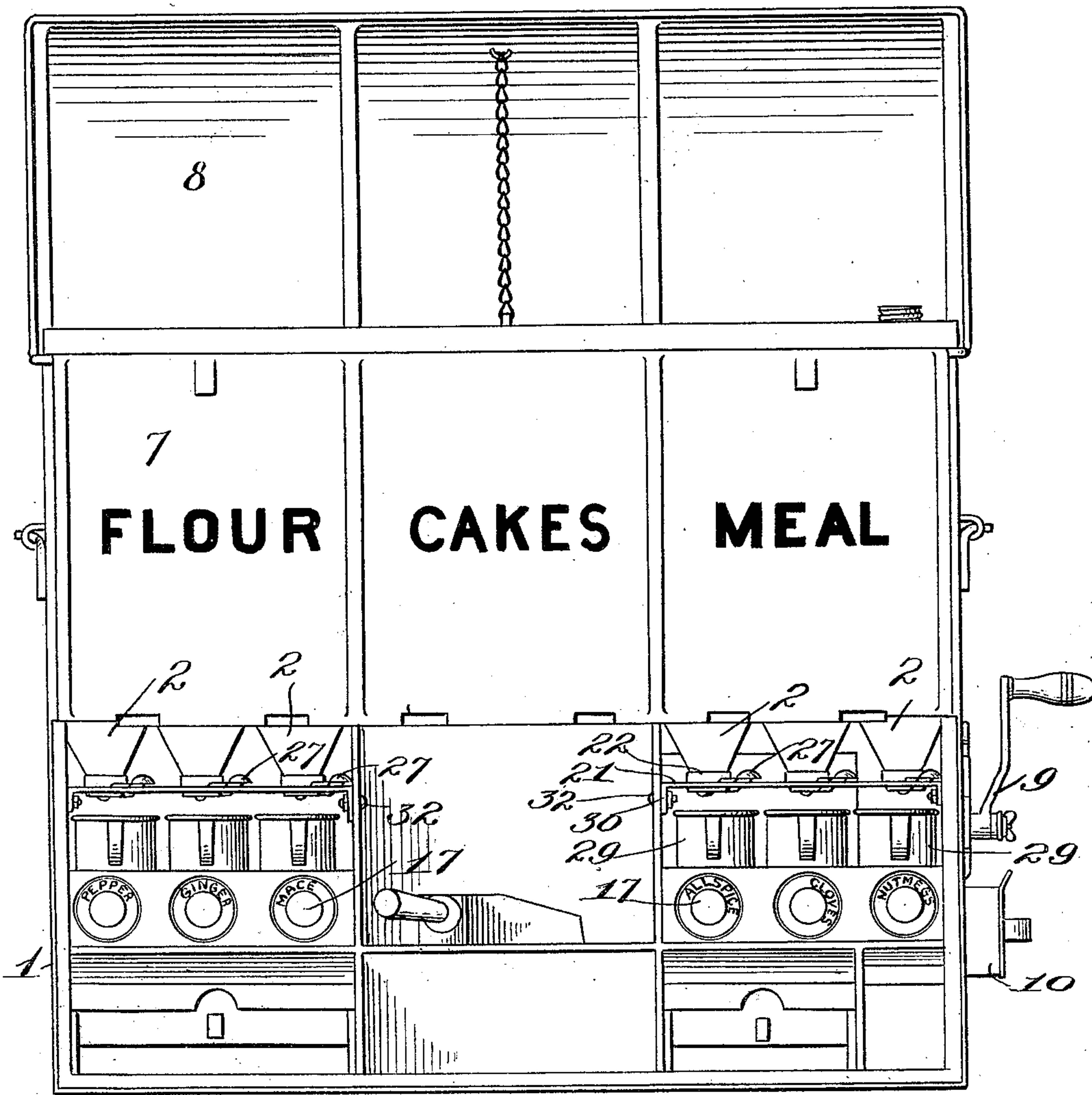
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3 SHEETS—SHEET 2.

*Fig. 3.*



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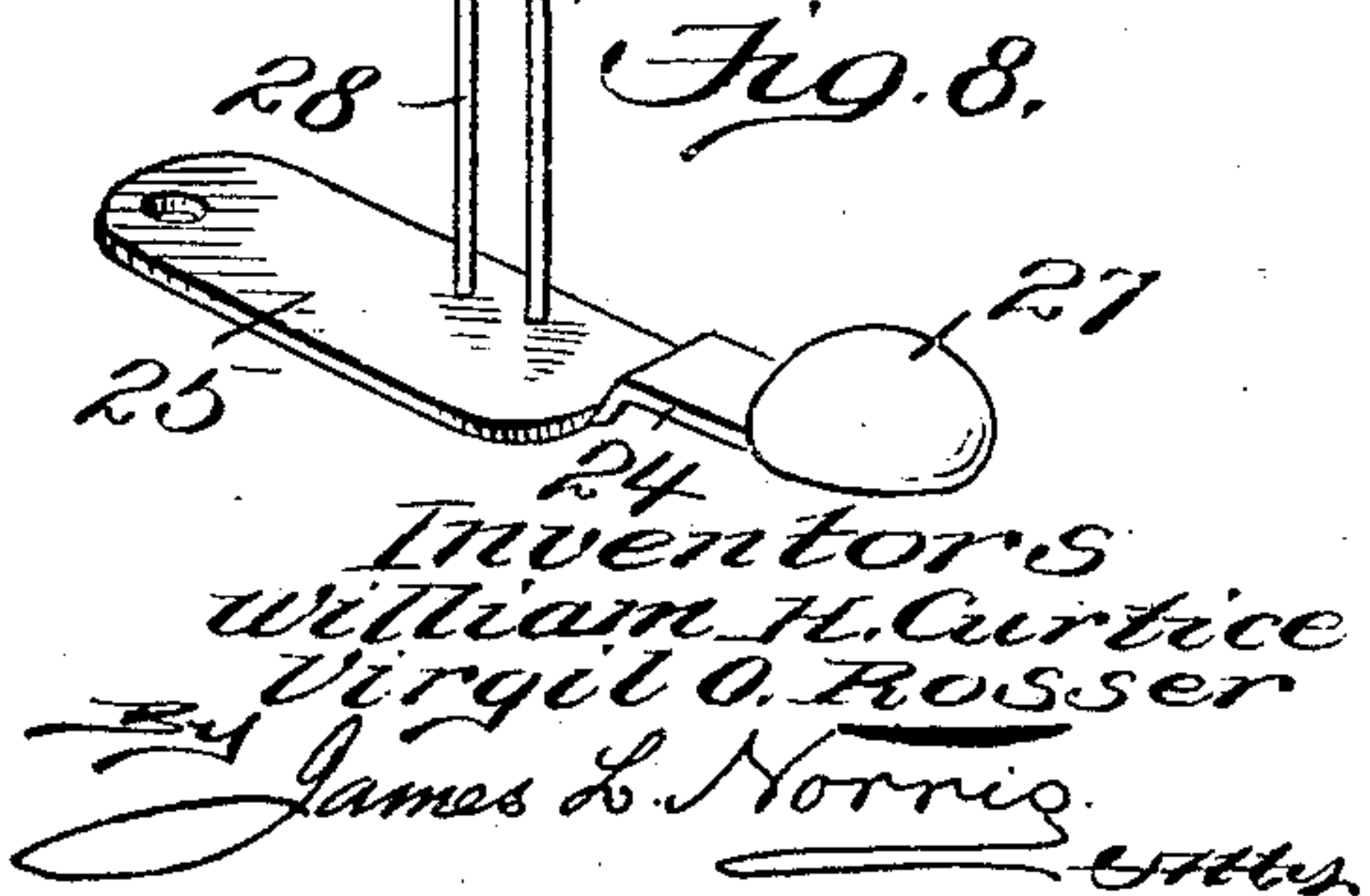
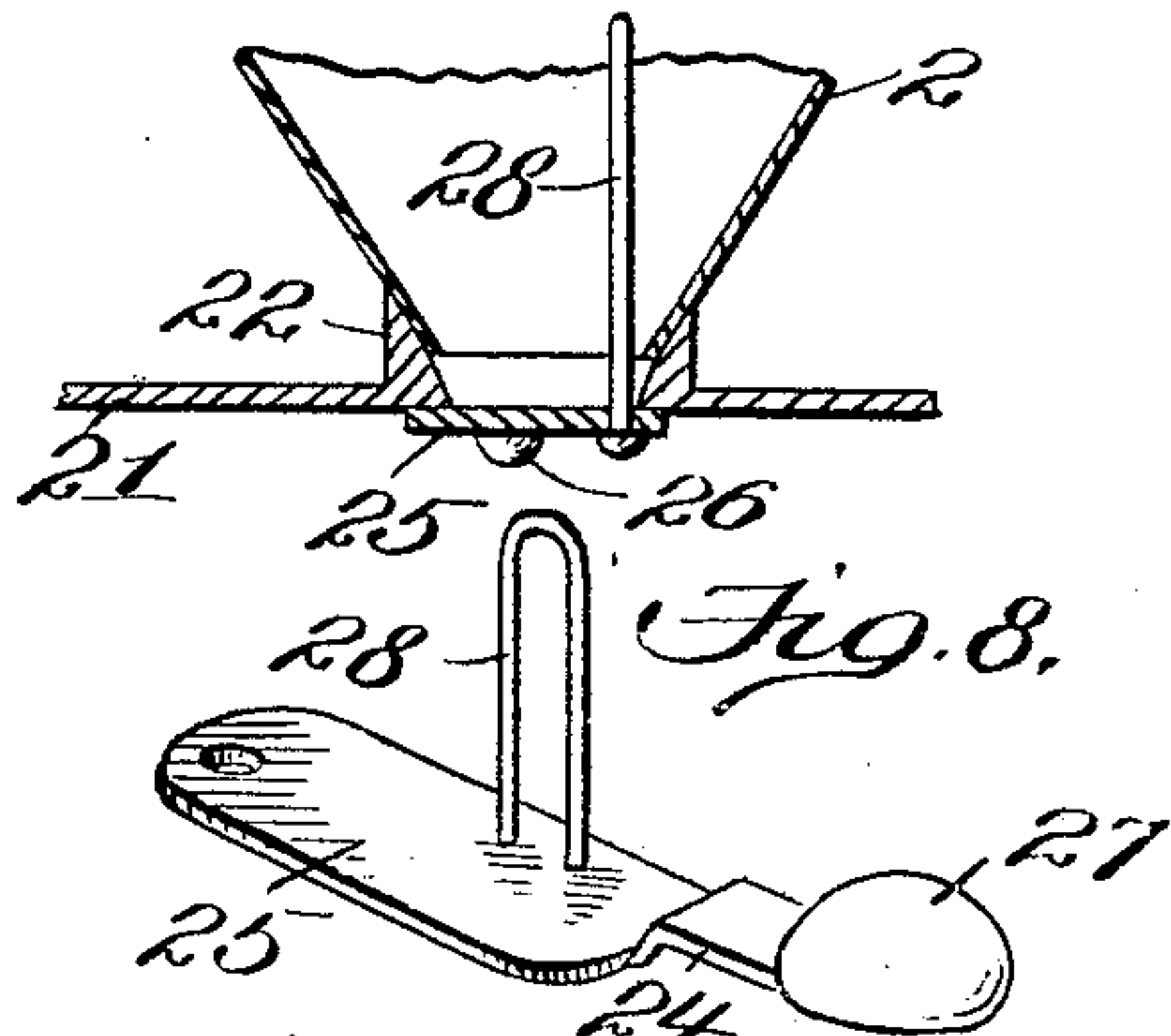
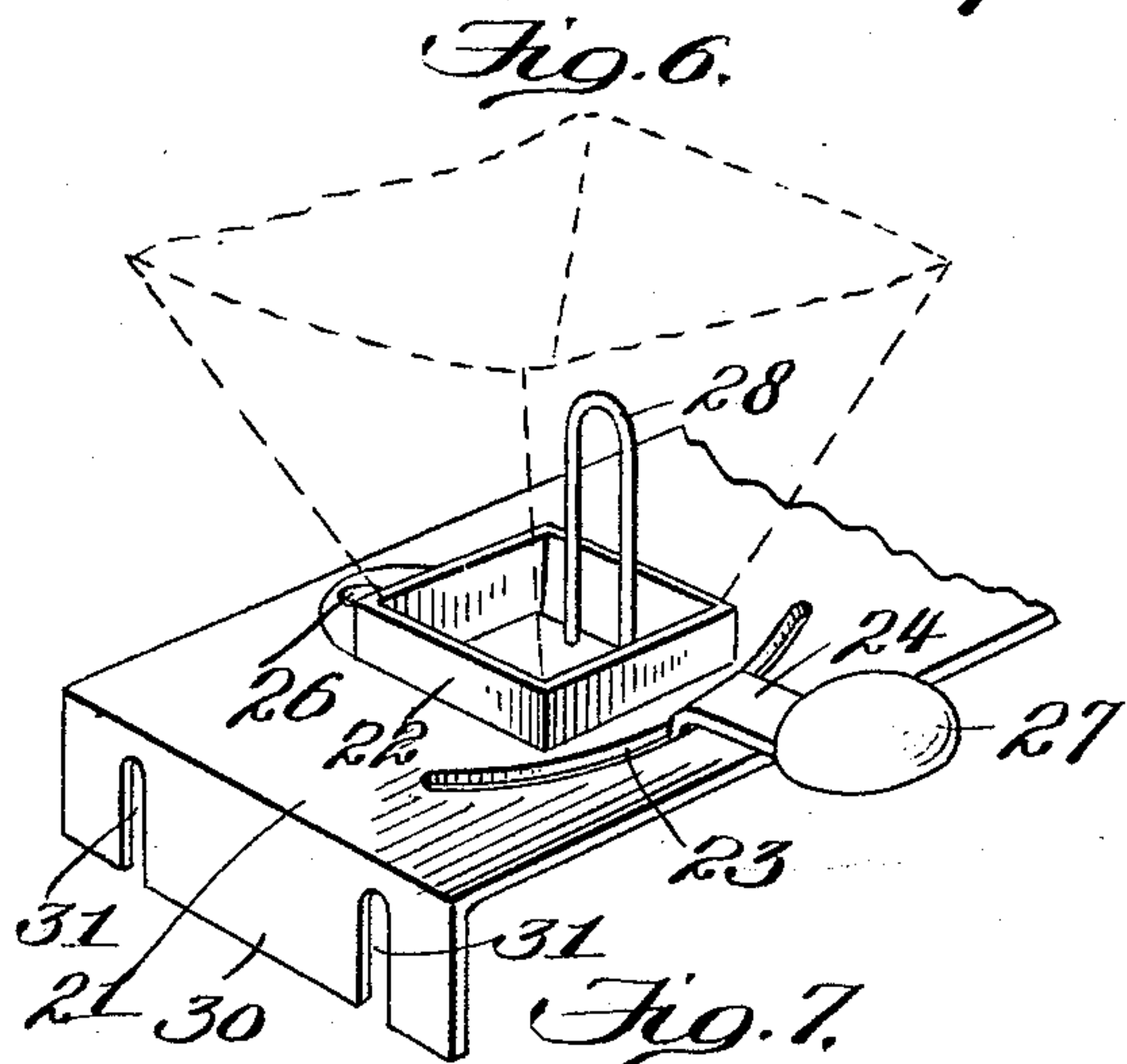
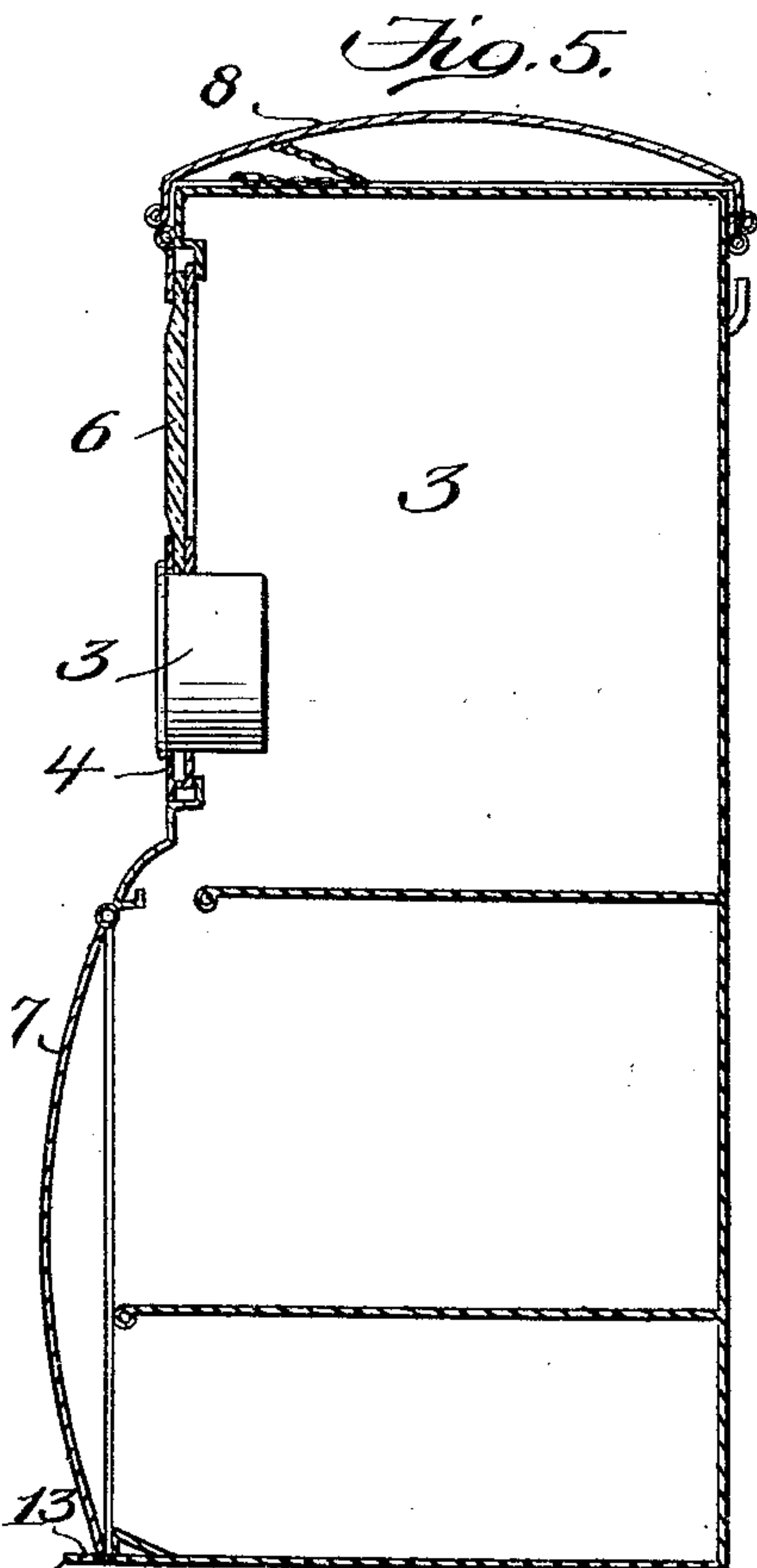
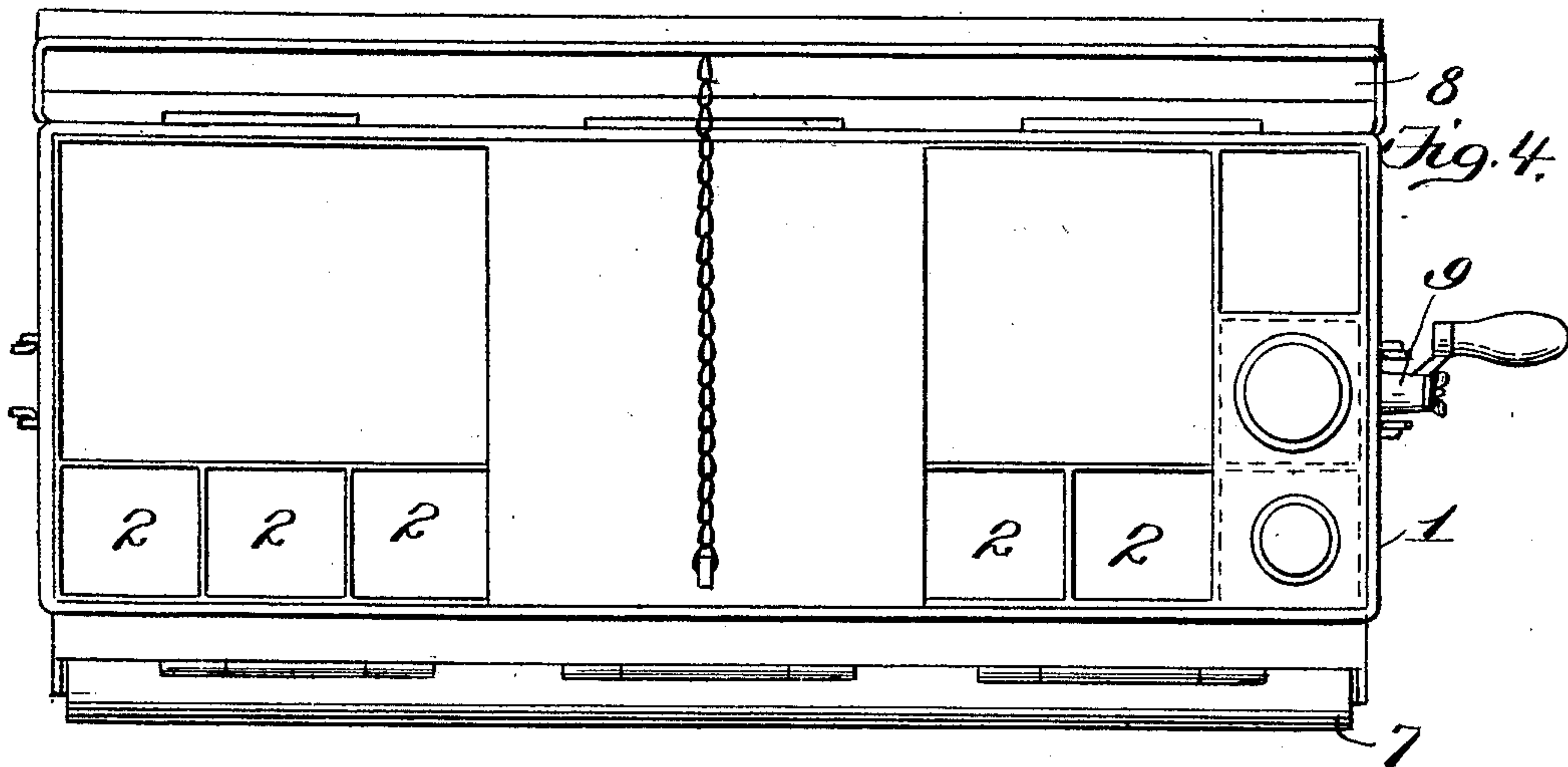
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3 SHEETS—SHEET 3.



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# UNITED STATES PATENT OFFICE.

WILLIAM H. CURTICE, OF LOUISVILLE, KENTUCKY, AND VIRGIL O. ROSSER, OF DALLAS, TEXAS.

## KITCHEN-CABINET.

No. 889,766.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed November 11, 1907. Serial No. 401,708.

*To all whom it may concern:*

Be it known that we, WILLIAM H. CURTICE and VIRGIL O. ROSSER, citizens of the United States, residing, respectively, at Louisville and Dallas, in the counties of Jefferson and Dallas and States of Kentucky and Texas, have invented new and useful Improvements in Kitchen-Cabinets, of which the following is a specification.

10 This invention relates to kitchen cabinets, and more especially to means for regulating the discharge of material therefrom.

The cabinet embodying the features of the present invention is equipped with various 15 compartments and bins for receiving and storing bread, cake and granular or pulverulent substances and also with accessories which will render it convenient in use and ornamental in appearance. The bins in 20 practice are provided with cut-offs or valves of a specific character, and the primary object of the invention is to produce a cut-off or valve particularly adapted for coöperation with bins and which will effectually control the delivery of material therefrom and 25 prevent clogging, packing, or other obstructive condition of the materials at the outlets of the several bins.

The invention consists in the construction 30 and arrangement of the several parts which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a kitchen cabinet embodying the 35 features of the invention shown fully closed and sealed. Fig. 2 is a transverse vertical section through one extremity of the cabinet. Fig. 3 is a front elevation of the cabinet showing the hinged closures or doors open or 40 elevated. Fig. 4 is a top plan view of the cabinet showing the top door or closure in open condition. Fig. 5 is a transverse vertical section through the center of the cabinet, the doors or closures being in normal or shut 45 condition. Fig. 6 is a detail perspective view of a portion of the cabinet particularly illustrating the preferred form of the cut-off or valve operating in connection with each bin. Fig. 7 is a transverse vertical section 50 on an enlarged scale through the devices shown by Fig. 6. Fig. 8 is a detail perspective view of the cut-off or valve.

Similar characters of reference are employed to indicate corresponding parts in the 55 views.

The cabinet body 1 is preferably of the form illustrated by Fig. 1, and is interiorly divided by a plurality of vertical, horizontal, and approximately horizontal, partitions to form a plurality of compartments and bins, 60 as well as drawer spaces, for the reception of bread, cakes, flour, meal, spices, sugar, coffee, and other materials used in cooking. The lower portion of the cabinet renders the outlets of the bins accessible, the several bins, 65 as at 2, being vertically disposed, and the face of the upper part of the cabinet provided with names or other matter indicating the contents of the several bins.

The upper portion of the cabinet at the 70 center is provided with a bread compartment 3, or such compartment may be used for any other purpose desired, and is rendered accessible through the medium of a hinged door 4, carrying a clock 5 and a mirror 6, for the pur- 75 poses of ornamentation and convenience.

The lower portion of the cabinet has a drop door or closure 7, which fits into the front opening, as particularly shown by Figs. 1 and 2, and the upper portion of the cabinet has a 80 door or closure 8 to expose the upper filling extremities of the several bins, including a coffee bin which is equipped with a grinding means 9, having a receiving drawer 10 below the same for the ground coffee. 85

The entire cabinet may be suspended through the medium of hangers 11 of the form shown by Fig. 1, and in order to reliably seal the hinged doors 7 and 8 and the door 4 for the receptacle or compartment 3, a chain 90 or analogous device 12 is passed around the cabinet, as shown by Fig. 1, and through a slot 13 in the bottom 14, and secured by means of a suitable pad-lock 15, the upper 95 end of the chain being secured to a suitable eye or link 16, attached to the back of the cabinet, as shown by Fig. 2.

All the parts of the cabinet are constructed of suitable sheet metal to render it more durable and also beneficial from a hygienic stand- 100 point.

While it has been found that the arrangement of the compartments, drawers, bins, and receptacles generally, as illustrated by Figs. 1 and 2, is exceptionally convenient, it 105 will be understood that such arrangement may be modified and variations adopted without departing from the scope of the invention.

As hereinbefore noted, the invention par- 110



particularly pertains to the provision of a specific form of valve or cut-off to control the outlets of the several bins, and reference will now be made to the cut-off feature and correlative parts. As these cut-off devices are of exactly the same construction for all of the bins which have their outlets exposed at the front lower portion of the cabinet, it will only be necessary to refer to the bins on one side of the center and to particularly describe only one of the cut-off organizations.

On each side of the center of the lower portion of the cabinet is a series of cylindrical drawers or withdrawable tubes or cylinders for 17, spices, and which is disposed in a compartment 18, as shown by Fig. 2, having a closed top 19. The closed top 19 provides a supporting ledge or shelf below the lower hopper extremities 20 of the bins 2. Between the ledge or shelf 19 and the lower terminals of the hopper extremities 20 a valve supporting plate 21 is rigidly secured and provided with sockets 22 into which the lower hopper extremities 20 of the bins extend, as particularly shown by Figs. 6 and 7. In front of each socket 22 the valve plate 21 is formed with a segmental slot 23, and movably mounted therein is the angular shank 24, of a valve or cut-off 25 pivotally connected at its rear extremity by a pin or other suitable means, as at 26, to the valve plate in rear of the socket. Each valve 25 is closely held against the underside of the valve plate 21, and the shank 24 is formed or provided with a grip or handle 27, which may be easily engaged to move or shift the valve from closed to open position or vice versa. Each valve or cut-off 25 has an elongated wire loop 28, rising therefrom near one side edge, as shown by Fig. 8, the said loop serving the dual function of an agitator to prevent clogging or packing of the material at the outlet of each bin, and to limit the movement of the valve in opposite directions, or to indicate when the said valve is fully closed and fully open. The pin or other fulcrum device 26 for the valve is positioned in transverse alinement with the center of the segmental slot 23, and when the valve or cut-off 25 is fully open the shank 24, together with the grip or handle 27 will be thrown to the left, the upstanding loop 28 limiting the movement of the valve by striking the wall of the socket opposite that shown engaged by the said loop in Fig. 6, the valve or cut-off being illustrated in closed position by the latter figure.

It will be noted that the cut-off or valve organization is very simple in its construction and effective in operation, and having included therein the loop 8 operating both as an agitator and a stop means, its efficiency is materially enlarged and complex structure avoided. Furthermore, it will be observed that the valve may be applied by a very simple operation and simultaneously with

the application of each valve the agitator coöperating therewith is properly positioned.

Below the outlet of each bin and removably supported on the closed top 19 of the compartment 18 is a measuring receptacle or other analogous device 29, and it will be understood that when a quantity of the contents of any one of the bins is desired, it is only necessary to open the proper valve and receive such quantity in one of the receptacles 29.

As a convenient means for applying the valve plate 21, the latter is formed with depending end flanges 30, having vertical slots 31 opening through the lower edges thereof to fit over securing bolts and nuts 32 inserted through the side walls of the compartments in which the said valve plates are located.

The several parts of the kitchen cabinet embodying the features of the present invention are strong and durable, and the general proportions and dimensions may be modified at will.

Having thus described the invention, what is claimed, is:

1. In a kitchen cabinet, the combination of a bin having a lower outlet extremity, a valve plate into which said bin extends, the valve plate being provided with a segmental slot, a valve closely held against the underside of the plate and outlet extremity of the bin and provided with an angular shank extending through and movable in the said slot, fulcrum means connected to the rear extremity of the valve and valve plate, and an upwardly projecting agitator secured to the valve and consisting of an elongated wire loop rising from near one side edge of the valve and also operating to limit the movement of the valve in opposite directions and to indicate when the valve is fully closed and fully open.

2. In a kitchen cabinet, the combination of a bin having a lower outlet extremity, a valve plate into which said bin extends, the valve plate being provided with a segmental slot, a valve closely held against the underside of the plate and outlet extremity of the bin and provided with an angular shank extending through and movable in the said slot, and a fulcrum means connected to the rear extremity of the valve and valve plate.

3. In a kitchen cabinet, a bin, a valve plate into which the lower outlet extremity of the bin extends, the said valve plate having a segmental slot in its front portion, and a valve closely held against the underside of the plate and the outlet extremity of the bin and provided with an angular shank movably extending through the slot.

4. In a kitchen cabinet, a bin, a valve plate into which the lower outlet extremity of the bin extends, said valve plate having a segmental slot in its front portion, a valve



5 closely held against the underside of the  
plate and outlet extremity of the bin and  
provided with an angular shank movably ex-  
tending through the slot, and an agitator se-  
cured to the valve and movable therewith  
the agitator being located adjacent to on  
side edge of the valve and serving also as a  
stop means to limit the opposite movements  
of the valve.

10 5. In a kitchen cabinet, a bin, a valve  
plate having a socket in which the lower ex-  
tremity of the bin extends, the said valve  
plate having a segmental slot in its front por-  
tion in advance of the socket, and a valve  
15 closely held against the under side of the  
plate and outlet extremity of the bin and  
provided with an angular shank movably ex-  
tending through the said slot and outwardly  
beyond the front edge of the valve plate and  
20 terminating in a grip device which is readily  
accessible from the front of the cabinet.

6. In a kitchen cabinet, a bin, a valve  
plate having a socket into which the lower  
outlet extremity of the bin extends and also  
25 provided with opposite vertically slotted  
angular ends, the slots in the ends opening  
downwardly through the lower edges thereof,  
fastening devices removably engaging the  
slotted angular ends of the valve plate, the  
30 latter also having a segmental slot therein  
in advance of the outlet extremity of the bin,

and a valve pivotally secured against the un-  
der side of the plate and outlet extremity of  
the bin and provided with an angular shank  
movably extending through said segmental 35  
slot.

7. In a kitchen cabinet, a plurality of bins,  
a single valve plate removably disposed un-  
der the outlet extremities of said bins and  
having sockets therein corresponding in 40  
number to the extremities, the outlet ex-  
tremities projecting into the sockets of the  
valve plate and the latter having also a plu-  
rality of segmental slots, one in advance of  
each socket, a plurality of valve plates piv- 45  
otally secured against the under side of the  
said plate and each having an angular shank  
movably extending through a segmental slot,  
all the valve shanks being accessible through  
the front of the cabinet. 50

In testimony whereof we have hereunto  
set our hands in the presence of two sub-  
scribing witnesses.

WILLIAM H. CURTICE.

VIRGIL O. ROSSER.

Witnesses to signature of William H.  
Curtice:

HARRY D. MARTIN,

CURTICE MARTIN.

Witnesses to signature of Virgil O. Rosser:

A. W. MACON,

N. E. BURGERT.