

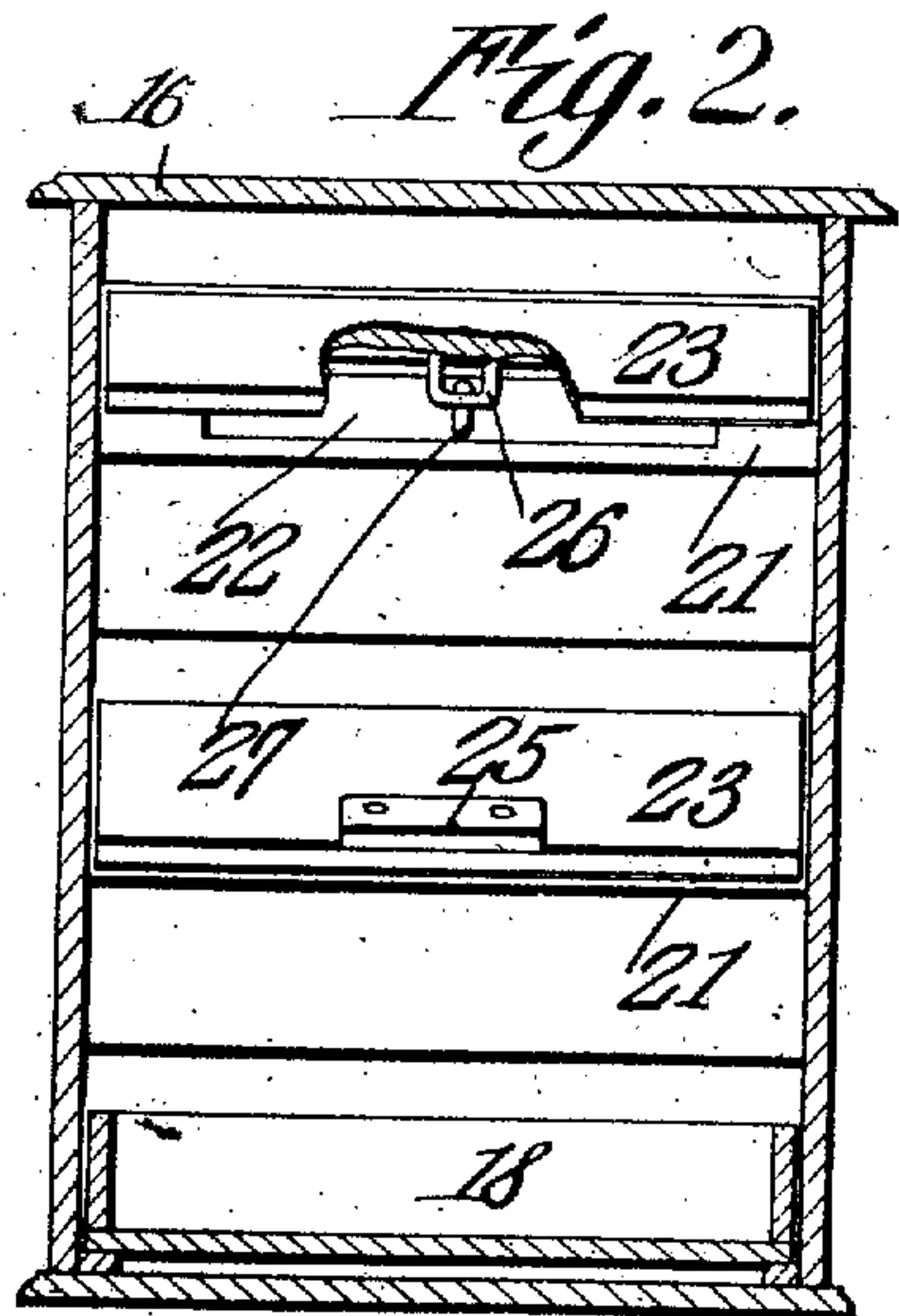
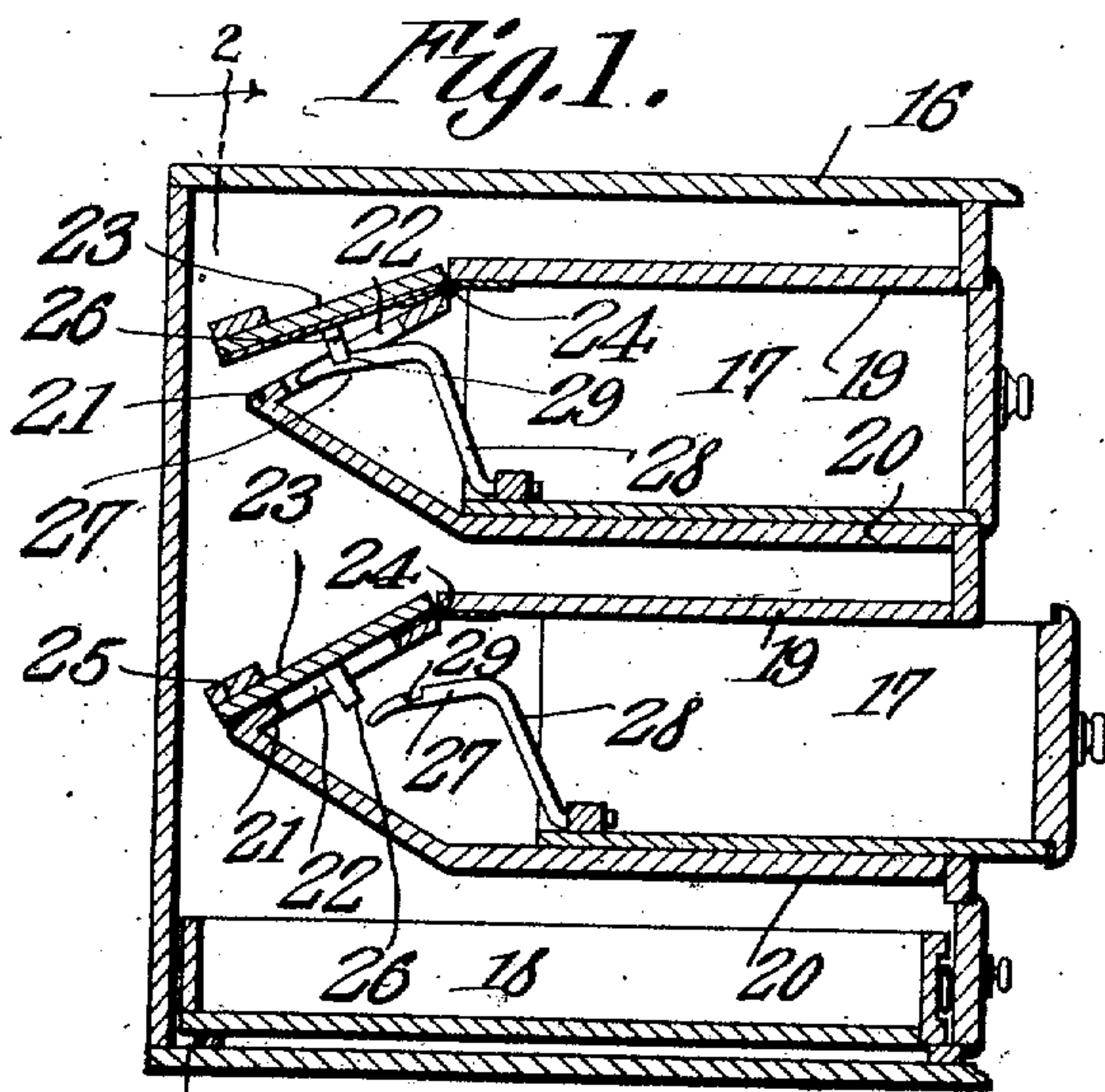
W. T. HERNDON.

STERILIZER.

APPLICATION FILED MAY 11, 1909.

959,858.

Patented May 31, 1910



Witnesses

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STERILIZER.

959,858.

Specification of Letters Patent.

Patented May 31, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM T. HERNDON, a citizen of the United States, residing at Laurinburg, in the county of Scotland and State of North Carolina, have invented a new and useful Sterilizer, of which the following is a specification.

This invention relates to sterilizing cabinets for doctors, dentists, barbers, etc., the object of the invention being to provide such a cabinet with a drawer from which the escape of the fumes of the sterilizing substance, when said drawer is open, is effectually prevented.

With the foregoing objects in view the invention consists in the novel construction and arrangement of parts hereinafter described and claimed, reference being had to the drawing hereto annexed in which:—

Figure 1 is a vertical sectional view of a cabinet constructed in accordance with my invention. Fig. 2 is a transverse section on the line 2—2 of Fig. 1.

Referring to the drawings, 16 denotes the cabinet of any size or style, provided with a pair of drawers 17, but it will be understood that their number is immaterial and may be varied as desired. The cabinet also contains a drawer 18 in which the sterilizing substance is placed, said drawer being mounted at the bottom of the cabinet so that when said fumes rise, they may pass into the drawers 17, the latter being adapted to contain the instruments to be sterilized.

In order to prevent the escape of the fumes of the sterilizing substance when the drawers 17 are open, the following structure is provided: Each drawer 17 slides between horizontal partitions 19 and 20. The drawer is open on top, and is closed by the partition 19. The drawer is also open at its rear end, and the partitions 19 and 20 are connected at their rear ends by a wall having a downwardly inclined portion 21 provided with an opening 22 controlled by a valve 23 hinged at 24 to the inner end of the partition 19. The free end of this valve carries a weight 25 which serves to normally hold it in closed position over the opening 22. From the face of the valve projects a loop

26 which is engageable by the laterally extending portion 27 of a stem 28 carried by and rising from the bottom of the drawer. This stem is so located that the portion 27 thereof strikes the loop 26 when the drawer is in closed position, and thus lifts the valve off the opening 22, thereby permitting the fumes from the sterilizing substance to enter the drawer. When the drawer is pulled open, the portion 27 is withdrawn from the loop, whereupon the valve is released and drops down by gravity, it being assisted by the weight 25, and closes the opening 22, thereby effectually preventing the escape of fumes. The part 27 has a notch 29 entered by the loop 26 when the drawer is in closed position, which serves as a catch for holding the drawer closed.

What is claimed is:—

1. A sterilizing cabinet comprising a casing, a drawer therefor, a wall in the casing surrounding the drawer, said wall having an opening, a valve controlling said opening, means for closing the valve when the drawer is open, a loop projecting from the valve, a stem rising from the drawer, and a lateral projection of the stem engageable with the loop for opening the valve when the drawer is closed, said extension having a notch which is engageable with the loop.

2. A sterilizing cabinet comprising a casing, a drawer therefor open at its rear end, partitions in the casing between which the drawer is slidably mounted, one of said partitions serving as a closure for the top of the drawer, a wall extending between the partitions behind the rear end of the drawer, said wall having a downwardly inclined portion provided with an opening, a valve controlling said opening, and a stem carried by the drawer, and engageable with the valve for opening the same when the drawer is closed.

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

WILLIAM T. HERNDON.

Witnesses:

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