

No. 869,853.

PATENTED OCT. 29, 1907.

P. LAMOUROUX.
SYSTEM FOR CLOSING RECEPTACLES.
APPLICATION FILED OCT. 1, 1906.

Fig. 1

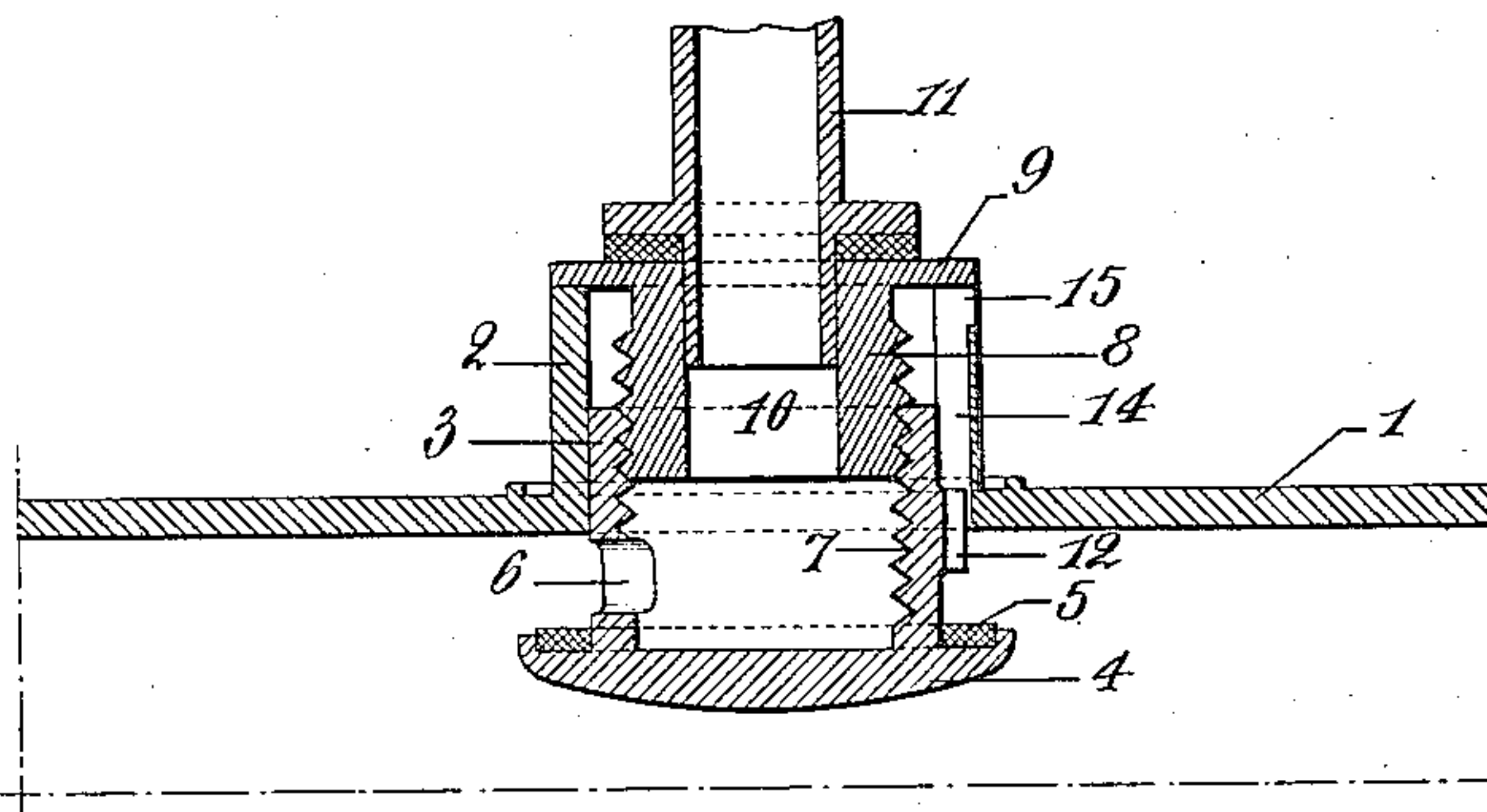
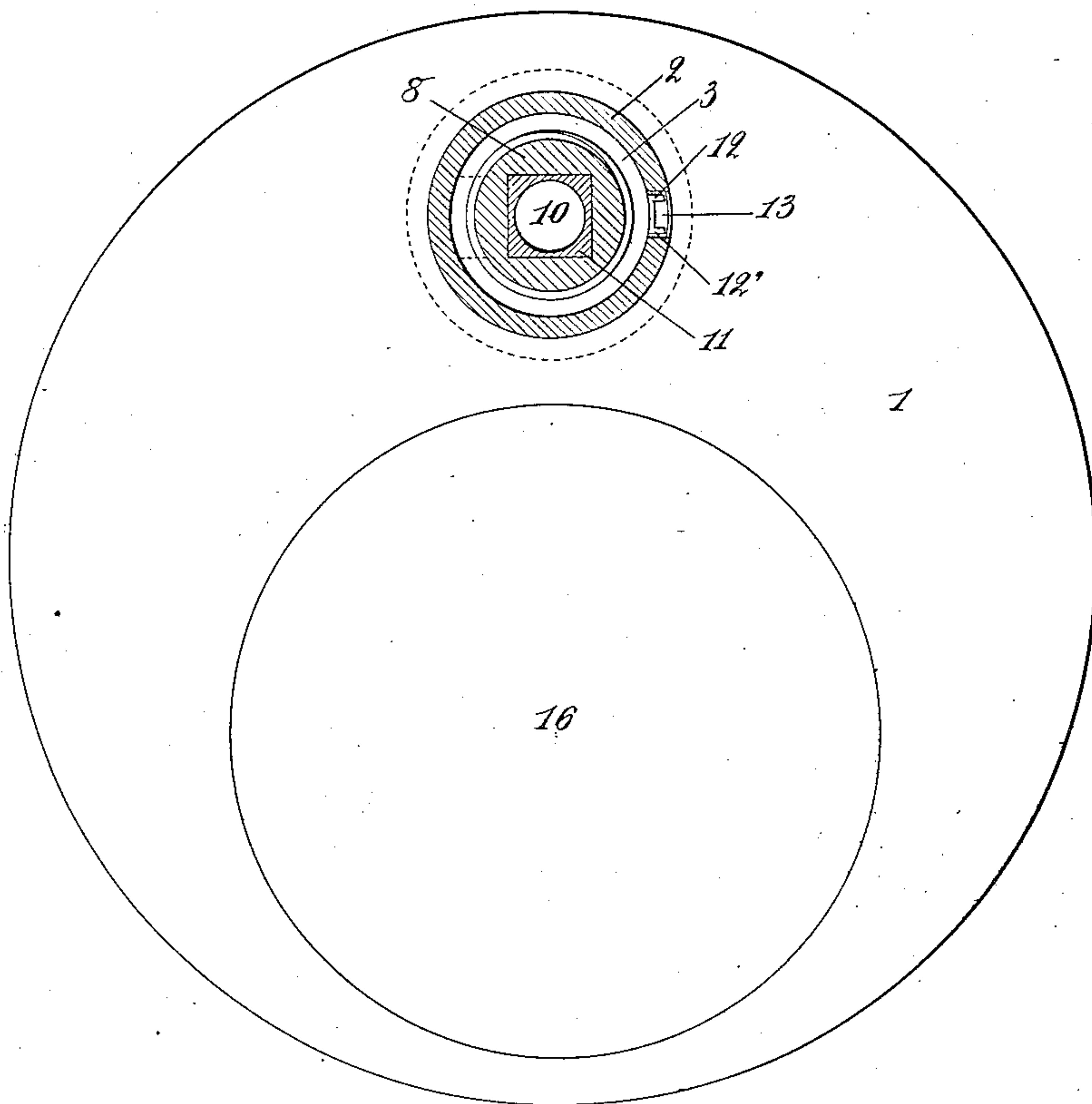


Fig. 2



WITNESSES

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PIERRE LAMOUROUX, OF PARIS, FRANCE, ASSIGNOR TO T. W. STEMMLER, OF NEW YORK, N. Y.

SYSTEM FOR CLOSING RECEPTACLES.

No. 869,853.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Original application filed November 17, 1905, Serial No. 287,821. Divided and this application filed October 1, 1906. Serial No. 336,891.

To all whom it may concern:

Be it known that I, PIERRE LAMOUROUX, a citizen of France, residing at Paris, in the said Republic, have invented new and useful Improvements in Systems for Closing Receptacles, for which I have obtained a patent in France, No. 349,390, November 19, 1904; in Hungary, No. 33,746, March 21, 1905; in Canada, No. 94,101, July 11, 1905; in Belgium, No. 188,047, November 11, 1905; in Great Britain, No. 23,225, November 11, 1905; in Italy, No. 224/181, November 13, 1905; in Spain, No. 37,140, January 16, 1906; in Austria, No. 25,521, February, 1906; in Denmark, No. 8,851, September 3, 1906, and applied in Germany for a patent November 14, 1905, application actually pending before the patent amt. of which the following is a specification.

This invention has for its object an improved device, or valve mechanism for closing receptacles, the said device being particularly adapted to coact with the apparatus for sterilizing and filling receptacles, which forms the object of my copendent application, Serial Number 287,821, filed 17 November 1905, and of which the present application, is a subdivision.

In order to make the description of the said device more clear, reference is made to the accompanying drawing, in which is illustrated, by way of example: Figure 1, a cross sectional elevation of the valve mechanism in question. Fig. 2, a plan view of the upper part of the receptacle.

This valve mechanism operates in the following manner. The top 1 of the receptacle which is to be closed with the valve mechanism forming the object of the present invention, has a cylindrical neck 2, in the interior of which a cylindrical sleeve 3 can move. The bottom of this cylindrical sleeve is formed by a plate 4 provided with an external and compressible ring 5, so as to form a tight joint when said ring is pressed upon the internal face of the top 1 of the receptacle. At its lower part the sleeve 3 is moreover pierced by a hole 6 while its upper part bears an internal threading 7. The internal threading of the first sleeve corresponds to the external threading of a second sleeve 8 which bears, through a plate 9, on the neck 2 of the receptacle. The sleeve 8 has a central opening of angular cross section to engage with a corresponding angular part or lug of a member 11 for effecting the rotation of said sleeve, and this rotary movement of the sleeve 8 causes longitudinal axial movement of the sleeve 3 as hereinafter described. The sleeve 3 has two longitudinal projections 12, 12', which form an open channel 13 and which engage in a

corresponding groove 14 formed in the inner surface of the neck 2. This groove communicates, at its upper part, with the exterior, by means of a hole 15 formed in the wall of the neck 2 and with the interior of the receptacle through the open channel 13 of the key elements 12, 12'. It is obvious that, by turning the bar 11, in a suitable direction, it is possible to completely close the receptacle, such closing being effected by raising the sleeve 3 in the neck 2 and pressing the ring 5 against the top 1. If the member 11 be turned in a contrary direction the sleeve 3 will be moved toward the interior of the receptacle and will open communication with the interior of the receptacle through the openings 6 and 10 and also through the opening 15 and groove in the sleeve and the channel between the projections 12 and 12'. The said combination is especially provided in order to effect the sterilizing and the filling of the receptacle by the apparatus which forms the subject of my copendent application Serial Number 287,821, filed November 17, 1905. In order to remove the liquid from the receptacle, the top of the said receptacle may be provided with a circular opening which can be closed before each sterilization and filling by means of a metallic plate 16 soldered to the plate, the opening of which can be effected when required in the manner for instance of that usual with preserved foods.

What I do claim as my invention, and desire to secure by Letters Patent is:

A receptacle provided with an upstanding neck, said neck being grooved and provided with an opening in its side wall at the upper end of such groove, a plate provided with a downwardly extended exteriorly threaded nut portion fitted to said neck, said plate and nut portion having a central opening angular in cross section, and a sleeve fitted in said neck and having a flanged head at one end closing the same and interiorly threaded to engage the nut portion of the plate, said sleeve having a compressible ring carried on the flange and an opening in its side walls, said sleeve also being provided with a channeled feather to engage the groove in the neck whereby said sleeve is kept from turning in the neck, the parts being so arranged that the sleeve may be moved to compress the ring between the flange and the inner wall of the receptacle, or may be moved to provide communication with the interior of the receptacle through the opening in the side wall of the sleeve and the central openings in the sleeve and plate and through the channeled feather and groove and opening in the neck.

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

Witnesses:

ANDRÉ BORDILLON,
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