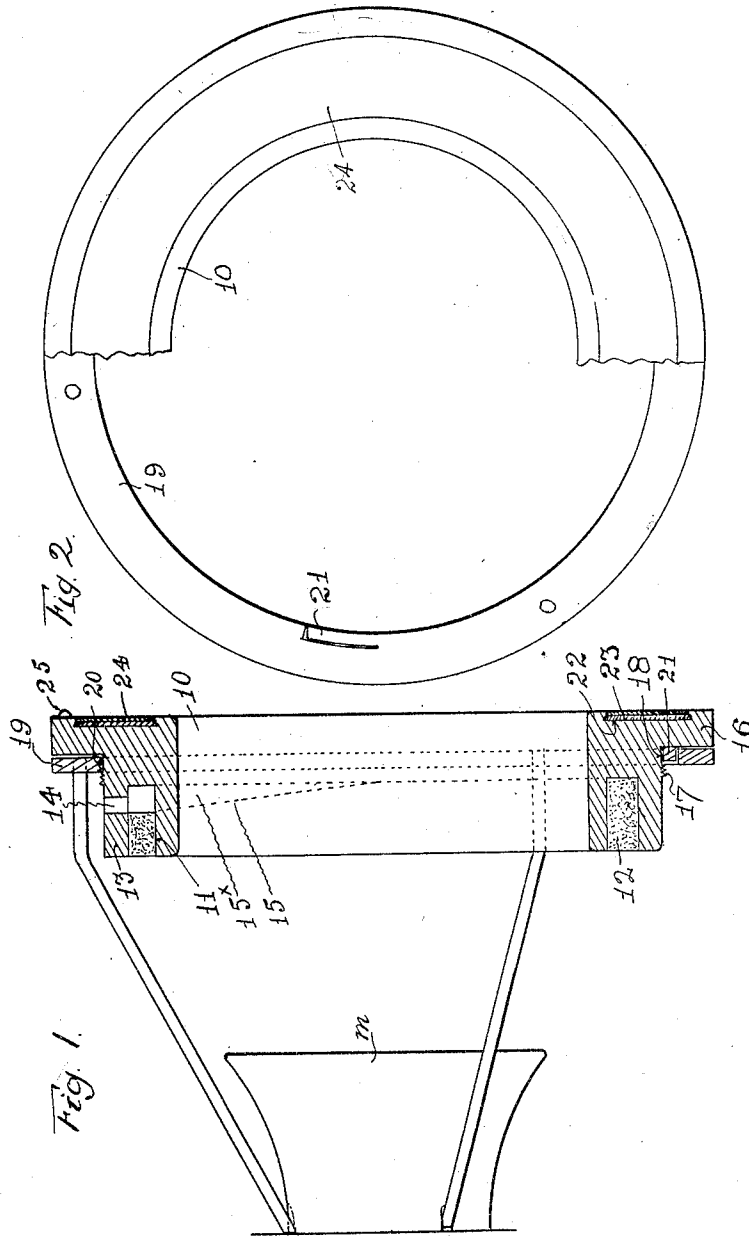


L. BLOCK.
DISINFECTOR.

APPLICATION FILED MAR. 13, 1912.

1,050,797.

Patented Jan. 21, 1913.



Witnesses:
Max Schlotter
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UNITED STATES PATENT OFFICE.

LOUIS BLOCK, OF NEW YORK, N. Y., ASSIGNOR TO LEAH ELIZABETH BLOCK, OF NEW YORK, N. Y.

DISINFECTOR.

1,050,797.

Specification of Letters Patent.

Patented Jan. 24, 1913.

Application filed March 13, 1912. Serial No. 683,634.

To all whom it may concern:

Be it known that I, LOUIS BLOCK, a citizen of the United States, and a resident of the borough of Manhattan, in the city, county, and State of New York, have invented a new and useful Improvement in Disinfectors, of which the following is a specification.

This invention relates to an anti-septic device for use in connection with the mouth-pieces of telephones and other apparatuses and devices, and has for its primary purpose the provision of a simple, efficient and economical disinfecter for such uses.

The invention will be described in connection with the accompanying drawing in which one embodiment of the invention is illustrated, and the features of the invention will be described hereinafter and its nature pointed out more particularly in the appended claims.

In the drawing, Figure 1 is a sectional longitudinal view, and Fig. 2 is a face view, partly broken away, showing the holder and its carrier.

In the drawing the reference numeral 10 marks a tubular holder made of hard rubber or other suitable material, which holder has a slot or groove 11 thereabout at one end thereof, which slot may be wholly or partly filled with a felt absorbent, or a porous, material, 12, the function of which material is to retain the disinfectant or deodorant, whether that be dry or liquid in its nature, and to permit it to escape slowly. The open end of the slot or groove 11 is preferably on that end of the tube 10 which is away from the person using the mouth-piece. The external wall 13 of the slot 11 may, and preferably does, have a perforation 14 therein through which the anti-septic or de-odorant may be introduced into the groove or slot, and, to expedite the work of putting in the compound, the material 12 may be cut away as indicated at 15 to provide an open space or chamber 15* behind the material 12 to receive the compound.

The holder 10 may be connected to the mouth-piece *m* or its support in any suitable manner, as, for instance, by connecting it to the guard recently patented by me (patent numbered 1,016,063). The holder 10 shown is provided with an external flange 16 at the end thereof next the user of the mouth-

piece, and the tube 10 is provided with a threaded portion 17 spaced from said flange 16, the forming a groove 18 between said flange 16 and said threaded portion 17.

The carrier shown consists of a flat metal ring 19, which is internally screw-threaded at 20 to engage with the threaded portion 17 and to enter the groove 18 on leaving said threaded portion in one direction, said ring or annulus 19 being preferably of a thickness somewhat less than the width of the groove 18. In order to prevent rattling and also to retain the holder 10 and the carrier 19 in desired relationship with each other, suitable spring-means may be, and preferably are, employed to press the ring against the elevated or projecting portion 17, and such spring-means may be formed integrally with the ring 19 by cutting and bending outward one or more tongues 21 at the inner side or edge of the annulus (the inner edge being preferred to the outer edge for such spring-tongues), which tongue or tongues exert pressure against the flange when the ring 19 is screwed on until it is free from the threads of 17 except for side pressure thereagainst, or even before the ring 19 is disengaged from said threads 17. When the ring 19 is in the groove 18, the holder 10 and the ring 19 may be turned one relatively to the other to bring the hole 14 uppermost, and a knob 25 may be formed on the front of the flange 16 to indicate the position of the hole 14. The screw-threads 17 and 20 may extend wholly around their respective parts, or they may be "interrupted" after the manner of the screws used with the breech-blocks of artillery; or the parts may be otherwise connected together.

The front face of the holder may be grooved as shown at 22 for the reception of a paper or other annulus 23 and a transparent cover 24 of celluloid, mica, or the like. Directions for the use of the device may be printed on the annulus 23.

What I claim is:

1. An anti-septic holder consisting of a tubular body provided with a groove at one end thereof and with a flange at the other end thereof and with an elevated portion spaced from said flange and having passage-way therethrough, in combination with an annular carrier provided with a projecting part adapted to go through said way and to enter said spaced part or groove to

permit of ready relative rotation of said carrier and holder.

2. The combination with a tubular body having an external flange and an elevated portion spaced apart from said flange to form a groove and having passageway therethrough, of a ring provided with internal projection for passing through said way into said groove to permit of relative rotation of said holder and carrier, and an anti-septic container carried by said body.

3. The combination with a tubular body provided with a flange and with an elevated portion adjacent to said flange but sepa-

rated therefrom by a groove and having passageway therethrough, of a ring provided with a projecting part adapted to go through said way and enter said groove to permit of the ready relative rotation of said body and ring, and spring-means pressing said ring away from said flange.

Signed at New York city in the county of New York and State of New York this 8th day of March, A. D. 1912.

LOUIS BLOCK.

Witnesses:

MAX M. KOTZEN,

LE ROY R. WILLIAMS.