S. SOLOFF.

DENTAL WASTE RECEIVER.

APPLICATION FILED DEC. 18, 1915.

1,213,289. Patented Jan. 23, 1917.

Fig. 1.

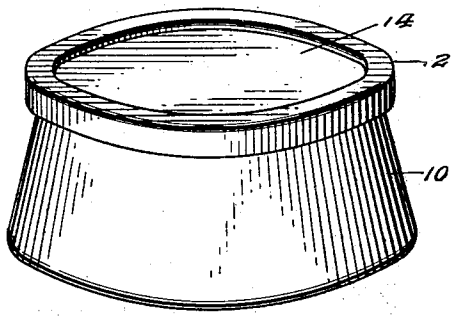


Fig. 2.

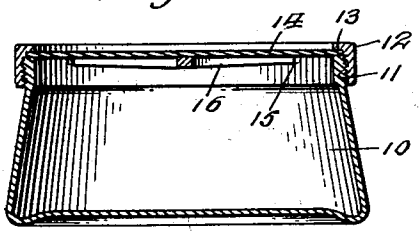
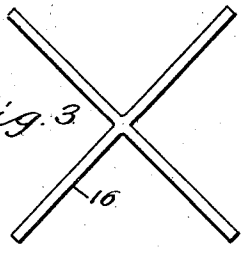


Fig. 3.



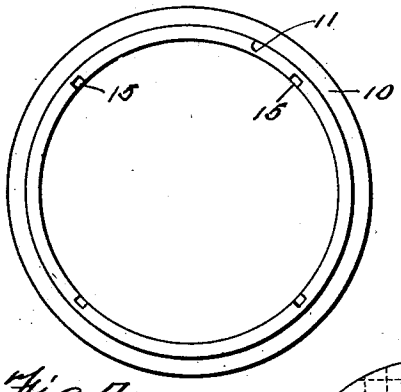


Fig. 4.

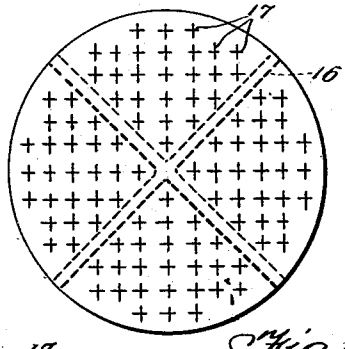


Fig. 5.

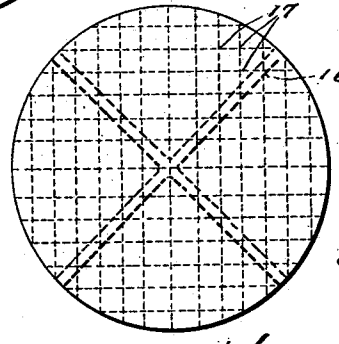


Fig. 6.

Witness

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UNITED STATES PATENT OFFICE.

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DENTAL-WASTE RECEIVER.

1,213,289. Specification of Letters Patent. Patented Jan. 23, 1917.

Application filed December 18, 1915. Serial No. 67,653.

To all whom it may concern:

Be it known that I, SAMUEL SOLOFF, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Dental-Waste Receivers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to dental waste receivers and more particularly to that type having a receptacle provided with interchangeable covers.

An object of this invention is to provide a waste receiver of sanitary construction in having an interchangeable diaphragm carried by a receptacle and in having said diaphragm formed to receive a number of independent incisions.

A further object of this invention is the provision of an improved form of construction for supporting a paper or other diaphragm, together with means for reinforcing said diaphragm diametrically across lines therethrough.

Further objects will be apparent from the following specification, appended claims and drawings, in which—

Figure 1 is a perspective view of a waste receiver described in this application, Fig. 2 is a vertical sectional view centrally therethrough, Fig. 3 is a plan view of the spider used to support the diaphragm, Fig. 4 is a plan view of the receptacle with the cover removed, and Figs. 5 and 6 are plan views of diaphragms for use in the waste receiver.

This invention affords a construction for a waste receiver commonly used by dentists for the reception of the wads of cotton or other waste used by dentists and it includes an interchangeable diaphragm having a plurality of incisions or indications for incisions through which a dentist may insert the tweezers, holding the wad of discarded waste so that upon withdrawal of the tweezers after having punctured the diaphragm leaves the waste in the receptacle and through the contact of the diaphragm about the opening formed by the tweezers with the waste, said waste is easily dislodged from the tweezers. In having an interchangeable diaphragm with a number of incisions or indications, it is clearly seen that a sanitary device is provided because each insertion of the waste into the receptacle may be through a new opening. Referring to the drawings which more clearly show the features of this idea, 10 indicates a cup or other receiver which is threaded as at 11 on the outer periphery of the throat thereof and this threaded portion receives a retaining ring 12 which is recessed as at 13 to receive the paper or other diaphragm 14. The receiver 10 has the upper edge of the throat thereof recessed as at 15 to receive ends of a spider 16 which underlies the diaphragm and supports the same across desired lines.

The diaphragms 14 may be made of paper or any other suitable material and as shown in Fig. 5, each diaphragm will have a number of transverse incisions 17 formed therein to receive the ends of the tweezers and a discarded wad of waste held therein. Owing to the great number of incisions formed in each diaphragm, it is apparent that the receiver may be used for a reasonable period before necessitating the substitution of a new diaphragm. It is not necessary that the lines indicated at 17 be incisions as these intersecting lines may be of deep scoring or perforations to rupture the paper or other diaphragm at these desired points.

Fig. 6 shows a replaceable or interchangeable diaphragm having the points intended to receive the tweezers indicated by the intersection of light dotted lines formed by either rupturing the paper along these lines or by minute rows of perforations.

It is assumed that to those skilled in the art to which this invention appertains, the use and substitution of new diaphragms is clearly understood and a further description thereof is unnecessary. Also, it is apparent that slight modifications may be made in this invention within the scope of the appended claims and that the drawings submitted herewith are for illustrative purposes only.

Having thus described this invention, I claim:—

1. In a waste receiver of the class described, a diaphragm having a plurality of indications thereon, said individual indications being in spaced relation to the others and a reinforcing spider underlying said diaphragm.

2. In a waste receiver of the class de-

scribed, a receptacle, a retaining ring carried by said receptacle, said retaining ring being recessed, a diaphragm removably carried by said retaining ring in the recessed portion thereof, a spider carried by said receptacle underlying said diaphragm, and said diaphragm having indications thereon of individual areas of said diaphragm to be punctured by tweezers and wads of waste carried thereby.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL SOLOFF.

Witnesses:
MEYER RADELOFF,
HUGO MOCK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."