

No. 819,678.

PATENTED MAY 1, 1906.

B. G. SIMMONS.  
DENTAL WASTE COTTON RECEPTACLE.  
APPLICATION FILED NOV. 11, 1905.

Fig. 1.

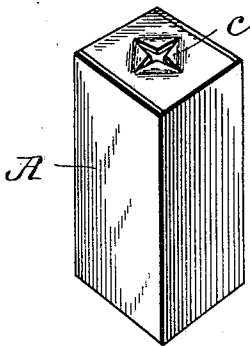


Fig. 2.

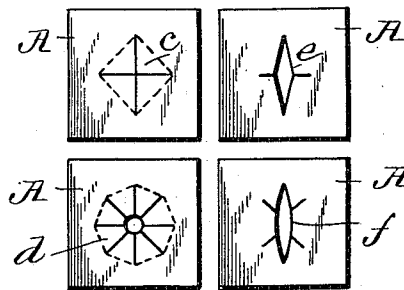
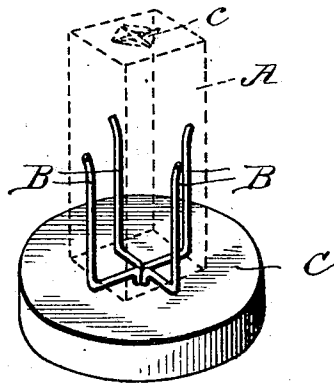


Fig. 3.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## DENTAL WASTE-COTTON RECEPTACLE.

No. 919,678.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed November 11, 1905. Serial No. 286,846.

*To all whom it may concern:*

Be it known that I, BERT G. SIMMONS, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Dental Waste-Cotton Receptacles, of which the following is a specification.

This invention relates to dentistry, and has particular reference to a waste-cotton receptacle; and the objects are to provide a simple, particularly inexpensive, combustible, and sanitary receptacle from a foldable blank for the soiled, unsightly, and odorant waste-cotton removed from teeth, which shall have a normally closed cover having a small opening provided with slitted edges, through which opening the soiled cotton twisted around the end of the excavator or other tool or held in pliers can be inserted into the opening of the receiver and removed by withdrawing it against the slitted edges of said opening without touching the cotton with the fingers.

Another object is to provide the quadrangular receptacle with a clamp or retainer therefor provided with spring-fingers which will permit the receptacle to be placed in various locations for the convenience of the dentist.

I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the foldable waste-cotton receptacle, which is made of paper. Fig. 2 are four top views of the receptacle, showing modified forms of openings therein. Fig. 3 is a perspective view of the receptacle-holder mounted upon and secured to a weighty base.

The ordinary waste-receivers now in use are rather expensive, being made of metal, and have an opening star-shaped or other form. This opening becomes covered with infectious matter, and the necks of the instruments touching it while inserting the soiled waste-cotton into the receiver and detaching it are infected, and the receiver being in use throughout the day the infection is carried from one patient to another, even though the

instruments may be sterilized before starting each operation. The advantages of this receiver are that being of paper and inexpensive one or more receiver is used for each patient and is burned after using and without opening it, thus avoiding infectious matter and pus being carried from the receiver used by one patient on the necks of the instruments to another patient. The X-shaped or slitted edges are elastic and permit the introduction of various sizes of pledgets of cotton, and in withdrawing the instrument said edges retain and pick the cotton off from the tweezers or other instruments carrying it.

In the drawings, A represents the waste-cotton receiver, which is of strong paper or light cardboard, and therefore combustible. It is rectangular, about one inch square and two inches high; but said sizes may be varied at pleasure, other forms may also be given thereto, and it may be slightly larger at one end. It is cut from a blank suitably cut and folded and is therefore foldable and adapted to be shipped in flat lots of fifty or one hundred, occupying but little space. To retain the receiver in a vertical position in any location suitable to a dentist, a spring-clamp is used. As shown in Fig. 3, it consists of two pairs of bent wires B, crossing each other in direction and secured to a weighty base C.

In Fig. 2 are shown in plan the top of four receivers, each provided in the center with an opening having slitted edges, as shown at *c d e f*, for the purpose described.

Having now fully described my invention, I claim—

A foldable and combustible waste-cotton receptacle consisting of a rectangular box made of a sheet of paper creased and folded to obtain the four sides, the top and the bottom and tongues to secure said parts together, said top having a perforation with slitted edges, substantially as described.

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

BERT G. SIMMONS.

Witnesses:

FRED B. KILMER,  
EUGENE ROSS.