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A. S. MEADOFF

1,493,557

SANITARY TELEPHONE TRANSMITTER SHIELD

Filed March 29, 1920

Fig. 1.

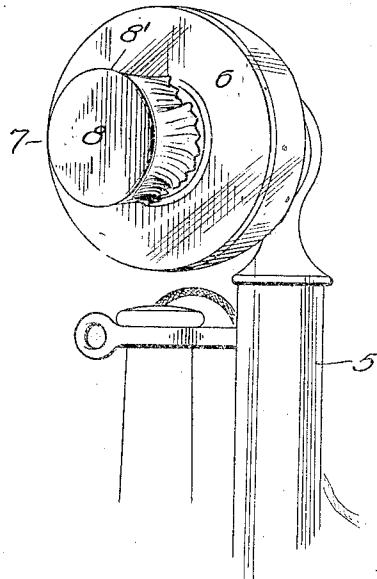


Fig. 2.

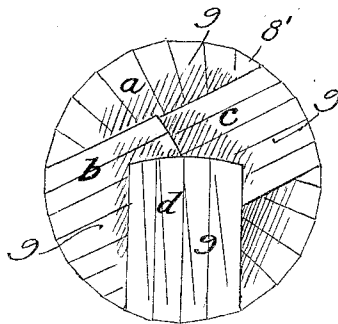


Fig. 4.

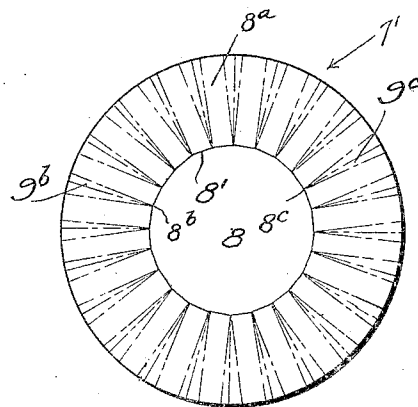
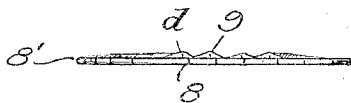


Fig. 3.



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ABRAHAM S. MEADOFF, OF NEW YORK, N. Y.

SANITARY TELEPHONE-TRANSMITTER SHIELD.

Application filed March 29, 1920. Serial No. 369,664.

To all whom it may concern:

Be it known that ABRAHAM S. MEADOFF, citizen of the United States, and resident of the city of New York, in the county of Kings and State of New York, has invented certain new and useful Improvements in Sanitary Telephone-Transmitter Shields, of which the following is a specification.

This invention relates to shields or sanitary attachments for telephone transmitters and the like speaking tubes.

One of the objects of this invention is to provide a device of the above type characterized by extreme simplicity of construction and consequent cheapness of manufacture and withal adapted to efficiently and effectively operate in practical use.

Another object of the invention is to provide a practical device of the above type of such construction as to embody a compact, flat and thin article that may be dispensed from a cabinet, vending machine or the like analogous container, coin-controlled or otherwise, and which may be conveniently carried in the pocket of the user.

A further object of the invention is to provide a device of this character formed from one sheet of suitable material with integral portions so constructed as to constitute resilient clamping means when placed upon the telephone transmitter or the like speaking device to hold the same removably in position thereon.

Other objects will be in part obvious and in part pointed out hereinafter.

With the above objects in view the invention consists in the features of construction, combination of elements and arrangement and forming of parts which will be exemplified in a device hereinafter described and of which the scope of the application will be indicated in the following claims.

In the accompanying drawing, in which is shown one of various possible illustrative embodiments of this invention,

Fig. 1 is a fragmentary perspective view of a telephone with the transmitter shield in position thereon,

Fig. 2 is a bottom plan view of the shield in its folded position;

Fig. 3 is an edge view of the shield folded as shown in Fig. 2; and

Fig. 4 is a developed plan view of the same, showing the blank from which the shield is formed.

Referring in detail to the drawing, there

is illustrated in Fig. 1, a desk telephone embodying a stand 5 having the usual transmitter 6, with the transmitter shield designated generally by the reference numeral 7 in operative position thereon.

The shield 7 is formed of any suitable material that will not interfere with sound waves such as paper or fabric. If desired the material may be treated with a suitable sterilizing or disinfecting solution. It is intended that the devices be folded and packed in such a manner that they may be dispensed from a vending machine, that may or may not be coin-controlled, it being intended that a new shield be placed upon the telephone transmitter at each use thereof to prevent the spread of disease. Or, the user may conveniently wrap the same and carry it in his pocket, the device being so constructed as will now appear, so as to permit folding it into flat, thin compass.

The construction and operation of the shield embodying the invention shown in the drawing will now be described. As shown in Figs. 1 and 4, the shield is formed from a circular sheet blank 7' of the material having a central portion 8 plainly surfaced and of regular polygonal configuration of such diameter as to cover the mouth of the transmitter when the device is in position thereon as shown in Fig. 1. The portion 8 thus serves as a sanitary shield member. Concentric with the central portion 8 is the portion 8^a adapted when folded and manipulated as hereinafter described to form resilient holding means for holding the shield on the mouth of the transmitter. To provide this holding means, the portion 8^a is creased upon a plurality of pairs of lines as indicated by the numeral 9, each of said pairs 9^b, 9^c, etc. of lines intersecting on corresponding corners 8^b, 8^c, respectively of the polygon 8 and extending radially from the said corners to the periphery 7' of the portion 8^a. A plurality of lines 9^c radiating from the center of the polygon passing through the corners thereof and continuing to the periphery 7' are also provided for aiding the creasing process. The portion 8^a is then folded about the polygonal edges 8' so as to form a cup shaped device such as shown at 7 in Fig. 1, and in the initial folding of the blank from the position shown in Fig. 4 into such cup formation, the material folds upon itself on the creased lines 9 from the

point 8' to the edge of the sheet in fan-like formation to form resilient overlapping portions which constitute holding means for holding the shield on the mouth piece of the transmitter as will now be described.

When the shield is flatly folded as indicated in Figs. 2 and 3 for purposes of placing same in a vending cabinet, the sides are creased to present four major portions *a*, *b*, *c* and *d*, the larger portion *a* being folded flatly upon the back of the shield with the overlapping of the opposed side sections *b* and *c*, while the last section *d*, overlaps the sections *b* and *c*. With the sections of the creased sides of the cup flatly folded upon the body portion, and with the sections folded upon the creased lines, the side walls of the shield are given considerable resiliency when expanded to position the shield upon a transmitter so that the resilient side sections *a*, *b*, *c* and *d* will fit closely against the curved neck of the transmitter mouth piece, to serve as efficient holding means for easily placing the shield in position on the mouth piece of the transmitter.

It will thus be seen that there is provided apparatus in which the several objects of this invention are achieved and which is well adapted to meet the needs of practical use.

As various possible embodiments might be made of the above invention and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A telephone transmitter shield formed

from a sheet of material having a central portion adapted to cover the mouth piece of the transmitter and concentric portions integral with said central portion adapted to be folded to form overlapping portions to serve when outfolded as holding means for positioning the shield on the mouth piece of the transmitter.

2. A sanitary telephone transmitter shield comprising a sheet of material creased on a plurality of pairs of lines, each or said pairs of lines intersecting on the corner of a polygon with which said sheet of material is concentric, the material overlapping in fan-like formation on the creased lines when folded on the sides of the said polygon.

3. A sanitary telephone transmitter shield comprising a sheet of material creased on a plurality of pairs of lines, each of said pairs of lines intersecting on the corner of a polygon with which said sheet of material is concentric, the material overlapping in fan-like formation on the creased lines when folded on the sides of the said polygon, said overlapping portions adapted to be folded in flat sections lying juxtaposed to the center of the shield.

4. A sanitary telephone transmitter shield comprising a body of sheet material having a plain central portion, an annular peripheral portion surrounding the same and creased on radiating lines, the annular portion adapted to be folded on the creased lines to provide relatively large overlapping resilient sections normally flatly positioned adjacent the central portion of the shield and adapted to be extended for resilient contact with the sides of a telephone transmitter mouth piece.

Signed at New York city, in the county of New York and State of New York this day of March A. D. 1920.

ABRAHAM S. MEADOFF.