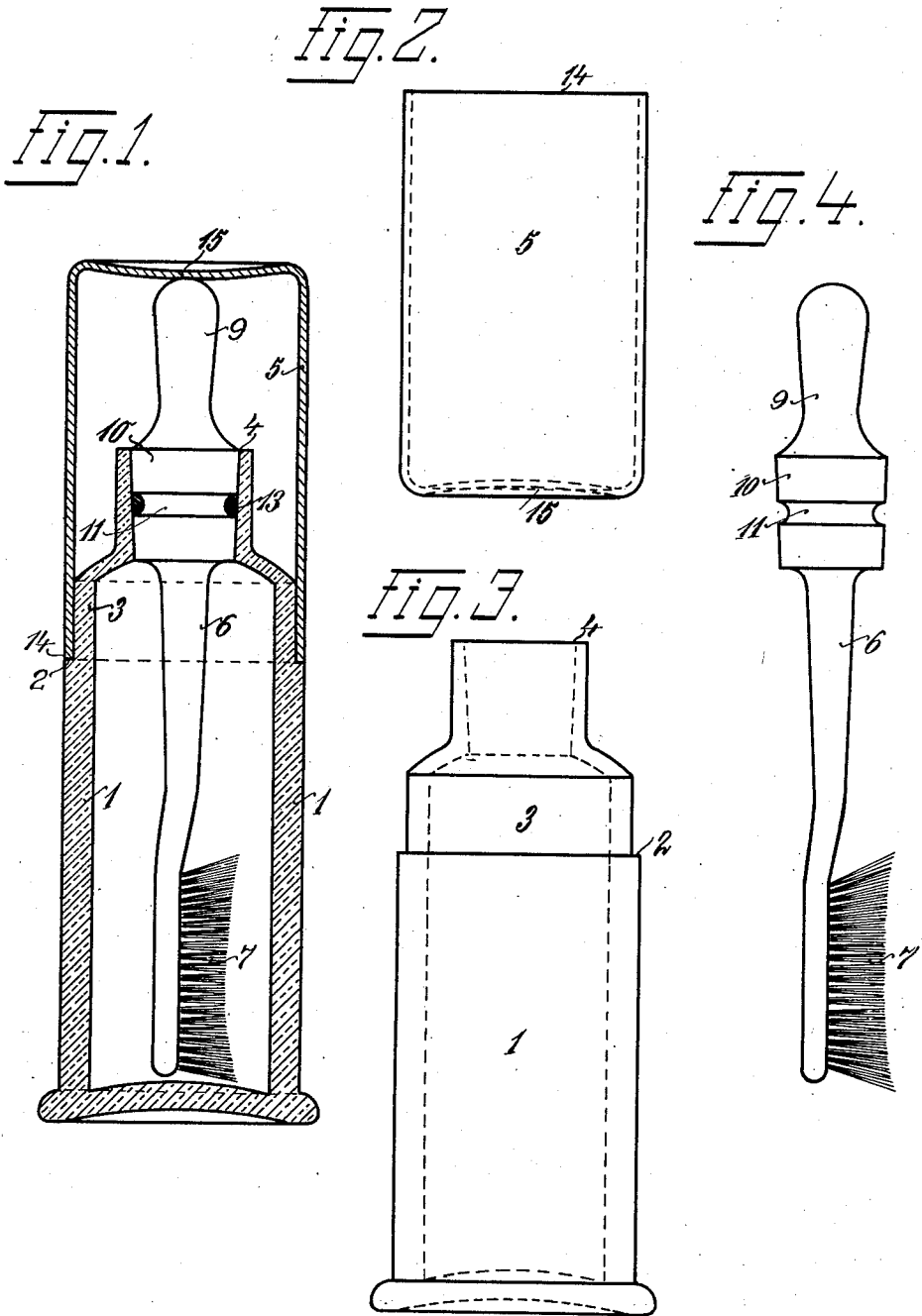


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 COMBINED TOOTH BRUSH AND PROPHYLACTIC CONTAINER.  
 APPLICATION FILED DEC. 13, 1912.

1,062,961.

Patented May 27, 1913.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

DANIEL CARL FUNCKE, OF WIESBADEN, GERMANY.

COMBINED TOOTH-BRUSH AND PROPHYLACTIC CONTAINER.

1,062,961.

Specification of Letters Patent.

Patented May 27, 1913.

Application filed December 13, 1912. Serial No. 736,586.

*To all whom it may concern:*

Be it known that I, DANIEL CARL FUNCKE, a subject of the German Emperor, residing at Wiesbaden, Germany, have invented a new and useful Improvement in a Combined Tooth-Brush and Prophylactic Container; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a combined tooth brush and prophylactic container and has for its object first always to keep the bristles of the brush immersed when put into the container, without respect to the position given to the latter, and second, to provide the prophylactic container with a cup or tumbler.

With these objects in view my invention consists in an especial construction of the container and its cover and in an enlarged handle of the brush adapted to seal the mouth of the said container.

My invention is illustrated in the accompanying drawing, in which:

Figure 1 is a vertical section through the combined tooth brush and prophylactic container; Fig. 2, a view of the cup or tumbler; Fig. 3, a view of the container; and Fig. 4, a view of the tooth brush.

The container 1, which may consist of a glass bottle of suitable size, is provided with a shoulder 2, its reduced upper end 3 having an enlarged opening 4 to allow a tooth brush of common size to be put into the bottle. The cover of the same is formed by a cup or tumbler 5, made of metal, glass or the like material, as will be suitable; the said cup is adapted to abut against the shoulder 2 with its upper edge 14, and as its inner diameter corresponds to the outer diameter of the reduced end 3 of the container 1 it tightly closes the latter. It may be suitable to make the outer diameter of the cup 5 as large as the outer diameter of the lower end of the receptacle or container 1 so that the outer surfaces of the cup and the bottle flush with one another as shown in Fig. 1.

The tooth brush 6 which is provided with bristles 7 on its one end, hereinafter called the lower end and with a handle 9 on its

other end, hereinafter called the upper end, has an enlargement 10 which is adapted to engage the opening 4 of the bottle or container 1. The enlargement 10, having preferably a conical shape to fit the sloping mouth or opening of the bottle, is provided with an annular groove 11 adapted to be engaged by a ring 13 of rubber or the like material. By means of the ring 13 any leakage between the enlargement 10 and the bottle is done away.

The prophylactic container is filled up with alcohol of 60-80 per cent. or with a similar liquid or dry prophylactic, or concentrated dentifrice in which the brush is immersed to keep the same sterilized and to kill the germs. To keep the brush 6 in its proper place in which it seals the mouth of the bottle 1, the cup 5 is fitted to the upper end 3 of the same whereby the inner surface of the bottom 15 of the cup 5 comes in engagement with the upper end of the handle 9 of the brush 6 which thereby with its enlargement 10 is pressed into the sloping mouth 4 of the bottle. The latter, therefore, is sealed in any position given.

In using my combined tooth brush and prophylactic container the cup shaped cover 5 is removed and partly filled with water to which any liquid or dry dentifrice is added. Then the tooth brush is drawn out from the container for use and as its bristles were immersed in an antiseptic fluid no morbid agents are distributed over the teeth and gums. After using the brush it is replaced in the container where any germ that may have been deposited on the bristles is killed so that the brush is always kept in a sterilized condition. As, furthermore, always the same cup or tumbler 5 is used together with the tooth brush a clean method for avoiding infection is attained.

What I claim is:—

In a combined tooth brush and prophylactic container, the combination of a container having a conical mouth, a shoulder on the upper end of the container, a tooth brush adapted to be inserted in the container, a conical enlargement on the tooth brush adapted to seal the conical mouth of the con-

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tainer, and a cup adapted to abut against the upper end of the tooth brush when the latter is inserted in the said container and to engage the said shoulder on the upper end of the container covering the said upper end and the tooth brush, substantially as described.

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

DANIEL CARL FUNCKE.

Witnesses:

JEAN GRUND,  
AFRED KATH.