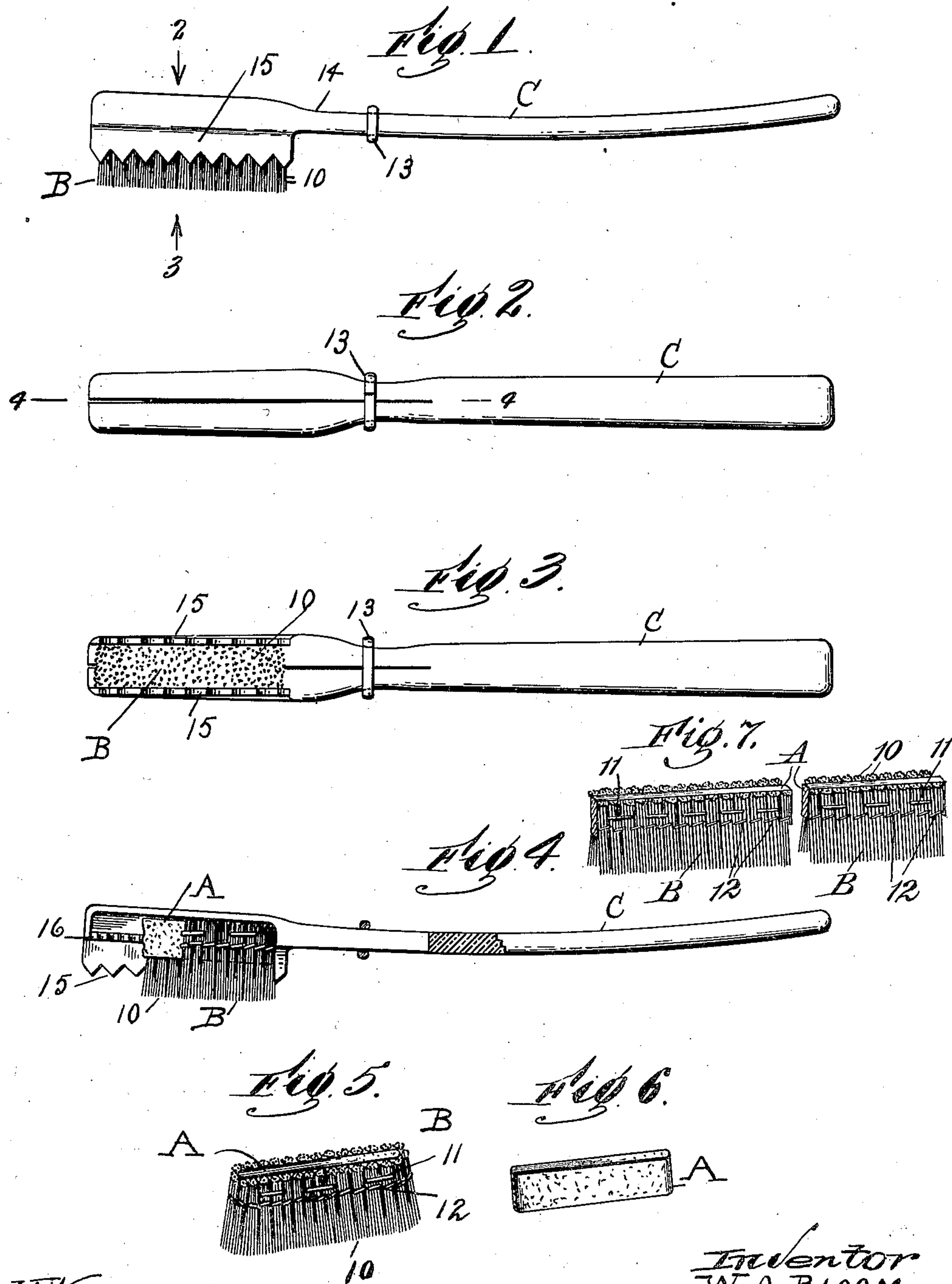


No. 846,900.

PATENTED MAR. 12, 1907.

W. O. BLOOM.
TOOTH BRUSH.

APPLICATION FILED FEB. 6, 1906.



Witnesses:

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WILLIAM O. BLOOM, OF WORCESTER, MASSACHUSETTS.

TOOTH-BRUSH.

No. 846,900.

Specification of Letters Patent

Patented March 12, 1907.

Application filed February 6, 1906. Serial No. 299,700.

To all whom it may concern:

Be it known that I, WILLIAM O. BLOOM, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Tooth-Brush, of which the following is a specification.

The object of this invention is to provide a new and improved brush especially adapted for use in cleaning the teeth which shall be antiseptic and which shall have the brush-section renewable in a simple way.

To this end the invention consists in providing an antiseptic block and in interposing the same in a brush-section. A holder is provided in which said brush-section can be detachably placed, said holder consisting of a split handle having protecting and clamping jaws and means for clamping the jaws together to hold the brush-section. In this way a desirable article for the purpose stated is produced.

The article is shown in the accompanying drawing, referring to which—

Figure 1 is a side elevation thereof. Fig. 2 is a top plan view thereof. Fig. 3 is a bottom plan view thereof. Fig. 4 is a sectional elevation thereof on the line 4 of Fig. 2. Fig. 5 is a perspective view of the brush-section. Fig. 6 is a perspective view of the block interposed in the brush-section, and Fig. 7 is a perspective view showing another form in which my invention may be embodied.

Referring to the drawing and in detail, A designates a block which preferably is made by taking a block of porous material, such as pasteboard, and by impregnating the same with antiseptics or cleansing compounds. This block A is embodied in a brush B. This brush consists, preferably, of a strip of bristles or grass 10, which are connected together by stitching 12. A strip of this material is taken and wrapped or placed around on the sides of the block A and held in place thereon by a binding 11. Thus the block A will also act to hold the bristles apart. In some cases, as is shown in Fig. 7, the removable brush-sections may be made by making the blocks in the form of a strip by securing the grass or bristles to the opposite sides thereof by sewing or otherwise and by then cutting the same into sections, each section being of the proper length for the brush. The bristles or grass 10 may also be impregnated with suitable antiseptic or tooth-cleansing compounds. With this arrange-

ment a detachable brush-section is provided.

C designates the holder. The same is preferably made out of rubber. The end thereof is split into two parts, as shown. A ring 13 is bent around a narrowed neck 14 thereof. The end of the holder is hollowed out to receive the brush-section, as shown in Fig. 4, and each part is provided with a protecting serrated jaw 15, of soft rubber, to protect the gums from being bruised, and each part is provided on its inside with a clamping-jaw 16 to nip the brush-section.

In operation the holder is furnished with a number of brush-sections. When it is desired to use the article, the ring 13 is pushed back into the narrowest portion of the neck, a brush-section is placed in the holder, and the ring is then forced toward the brush-section, thus clamping the same in position.

The block makes a brush which is ready for use without extraneous tooth-powder, and as the same has antiseptic qualities it prevents the spread of disease. If desired, a new brush-section may be inserted each time the brush is used, which is desirable to prevent the spread of diseases and also for curing certain mouth affections. This can be done at small expense, as the brush-sections may be made very cheaply. The holder will hold the brush-section up so that light bristles or grass can be used, and the clamping-jaws 16 16 will rigidly hold the brush-section in the holder.

The details and arrangements herein shown and described may be greatly varied by a skilled mechanic without departing from the scope of my invention as expressed in the claims.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A brush-section having a block interposed therein provided with bristles or the like, which block is impregnated with antiseptic or cleansing compounds.

2. The combination of a holder, and a brush-section having bristles or the like, said brush-section having a block embodied therein, which block is impregnated with antiseptic or cleansing compounds.

3. A tooth-brush comprising a brush-section made up of a block, bristles or grass in which said block is interposed, said brush-section being impregnated with antiseptic or cleansing compounds, and a holder in which said brush-section is secured.

4. A tooth-brush comprising a holder, and a brush-section which can be detachably secured therein comprising a block having antiseptic qualities and bristles or grass, in which the block is interposed.
5. A brush-section for tooth-brushes comprising a block, a strip of bristles or grass on the same, and a binding holding the bristles or grass to the block.
6. A tooth-brush comprising a holder having a removable brush-section, and protecting-jaws formed on the holder.
7. A tooth-brush comprising a two-part holder for a brush-section, said holder having integral, soft, protecting-jaws, and means for forcing the jaws together for holding the brush-section.
8. A tooth-brush comprising a split or two-part holder having protecting-jaws, a brush-section, and means for forcing the parts of the holder together to clamp the brush-section.
9. A tooth-brush comprising a split or two-part holder having a narrowed neck, a ring thereon, said holder having clamping and protecting jaws, and a detachable brush-section.
- In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.
- WILLIAM O. BLOOM.
- Witnesses:
LOUIS W. SOUTHGATE,
E. M. ALLEN.