

Specification of John Frederick Wieland : portable apparatus, &c.; for cleansing the teeth.

Contributors

Wieland, John Frederick.

Publication/Creation

London : Great Seal Patent Office, 1857 (London : George E. Eyre and William Spottiswoode)

Persistent URL

<https://wellcomecollection.org/works/qg42uzb6>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



A.D. 1857 N° 913.

S P E C I F I C A T I O N

OF

JOHN FREDERICK WIELAND.

PORTABLE APPARATUS, &c. FOR
CLEANSING THE TEETH.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

Price 3d.

1857.

THE UNIVERSITY OF CHICAGO

IN THE DEPARTMENT OF CHEMISTRY

BY ROBERT H. WILSON

PH.D. DISSERTATION

1955



A.D. 1857 N° 913.

Portable Apparatus, &c. for Cleansing the Teeth.

(This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.)

PROVISIONAL SPECIFICATION left by John Frederick Wieland at the Office of the Commissioners of Patents, with his Petition, on the 2nd April 1857.

I, JOHN FREDERICK WIELAND, of Glasgow, in the County of Lanark, North
5 Britain, Gentleman, do hereby declare the nature of the said Invention for
“IMPROVEMENTS IN PORTABLE APPARATUS AND MATERIALS FOR CLEANING THE
TEETH,” to be as follows, that is to say:—

This Invention relates to the so constructing and arranging tooth brushes
or cleansing apparatus for the mouth that extreme portability may be secured
10 in such articles, and to a novel and improved tooth powder or cleansing
composition.

Under one modification of this improved apparatus, it takes the form of a
short cylindrical tubular case or holder, of ivory, bone, or other material,
externally resembling the cylindrical cases of portable shaving or lather
15 brushes. This case is solid or closed up, immovable at one end, whilst the
other end has a deep head cap screwed upon it. When this head cap is screwed
off it discloses the actual tooth brush contained within it. This brush is of
the ordinary construction, except that the handle is very short, projecting but
a short distance beyond the brush head, this short handle being formed with
20 a screwed end. As this brush lays in the case its screwed handle ends enters
into a small recess in the inner face of the solid end of the case, so as to
economise length. When removed from its case for use the end of the short

Wieland's Impts. in Portable Apparatus and Materials for Cleaning the Teeth.

brush handle is screwed into a tapped hole at one side of the solid end piece, a stop being so contrived that when screwed in in this way the bristles or brushing surface shall always turn outwards clear of the line of the holding case, which is now the thick portion of the handle. The brush is now complete for use. If two brushes are required for one case, then they are reversed as regards their positions in the case, the short handle of one being opposite to the bristles of the other, so as to pack well and save room. The second brush may be of the curved kind, and to add to the convenience of its use it may be screwed into the solid end of the case somewhat out of line with the axis of the case. The deep head cap of the case is so made that it answers as the receptacle for a supply of toothed powder, being in two pieces, screwed one to the other, with the cavity for the powder between them.

According to another modification of the apparatus, the case is of thin metal, of rectangular transverse section. One end of this is solid, whilst the other is removeable, and slides on and off longitudinally, being held in its place either by stiff friction or by a detent catch. One or more brushes may be contained in this case, their short handles being thin and wide, and notched on one side for a spring detent catch in the solid end of the case to enter into when the brushes are put up for use. A shallow space is formed along one side of the case, being provided with a long flanged cover, so as to hold the supply of tooth powder. Where considerable quantities of tooth powder are to be carried about for use, or when it is necessary to keep the powder well closed up from the air, it is kept in a wide cylindrical glass bottle or jar. This bottle has a small shoulder formed upon its upper edge, upon which a thin metal lid or cover with a short flange or turned-up rim fits when the bottle is closed. This lid has an annular fitting piece of cork upon its inner face to bear hard down upon the edge of the bottle. This arrangement preserves the tooth powder fresh and good, whilst the bottle has a neat appearance, owing to the edge of the cover being flush with the exterior of the bottle. The tooth powder is composed of Peruvian bark and orris root, with a portion of quinine, a mixture of which is a most effectual cleanser and sweetener. With apparatus of this kind the traveller can always render himself independent of circumstances, for he can always have a complete apparatus with him when absent from home, whilst it does not encumber him with objectionable bulk.

35

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1857.