

Specification of Maurice Gabriel & Arnold Gabriel : base for artificial teeth.

Contributors

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A.D. 1862, 1st MARCH. N^o 560.

SPECIFICATION

OF

MAURICE GABRIEL & ARNOLD GABRIEL.

—
BASE FOR ARTIFICIAL TEETH.
—

LONDON:

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.

1862.





A.D. 1862, 1st MARCH. N° 560.

Base for Artificial Teeth.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Maurice Gabriel and Arnold Gabriel at the Office of the Commissioners of Patents, with their Petition, on the 1st March 1862.

We, MAURICE GABRIEL and ARNOLD GABRIEL, of 33, Ludgate Hill, in the City of London, and 27, Harley Street, Cavendish Square, in the County of Middlesex, & of Liverpool and Birmingham, do hereby declare the nature of the said Invention for "**IMPROVEMENTS IN THE BASES OF ARTIFICIAL TEETH**," to be as follows :—

This Invention has for its object the production of an unalterable and non-irritant substance, imitating as near as possible the natural bone and gum, dispensing in the manufacture thereof with any injurious substance, or color, or preparation of arsenic and mercury, the said composition to be hereafter known as osteo-eidon or artificial bone.

In making this base for artificial teeth, we form a compound of india-rubber, sulphur, phosphate of lime and soda in the following proportions, viz. :—

India-rubber	-	-	-	-	7 parts
Sulphur	-	-	-	-	2 „
Phosphate of lime	-	-	-	-	2 $\frac{1}{4}$ „
„ soda	-	-	-	-	2 „

so as to form a substance that will give a representation of the natural bone, and at the same time resist the action of the acids of the mouth and stomach.

M. & A. Gabriel's Improvements in the Bases of Artificial Teeth.

We do not confine ourselves to these exact proportions; they can be varied as circumstances may require.

The said compound is then moulded and hardened by well-known processes, and, being adapted and polished after the usual method, the entire piece is submitted to the action of a powerful electro-galvanic battery for the purpose 5 of depositing a thick coating or envelope of pure gold over the entire base, or in such parts only as may be required by the peculiarities of the case.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1862.