

Specification of Walter Whitehouse : sustaining artificial teeth by atmospheric pressure.

Contributors

Whitehouse, Walter.

Publication/Creation

London : Great Seal patent Office, 1875 (London : George E. Eyre and William Spottiswoode)

Persistent URL

<https://wellcomecollection.org/works/u3rh38uv>

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. 1875, 18th FEBRUARY. N^o 596.

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

OF

WALTER WHITEHOUSE.

SUSTAINING ARTIFICIAL TEETH BY
ATMOSPHERIC PRESSURE.

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.

Price 4d.

1875.





A.D. 1875, 18th FEBRUARY. N° 596.

Sustaining Artificial Teeth by Atmospheric Pressure.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Walter Whitehouse at the Office of the Commissioners of Patents, with his Petition, on the 18th February 1875.

I, WALTER WHITEHOUSE, of Pimlico, in the City of Westminster, Surgeon Dentist, do hereby declare the nature of the said Invention for "IMPROVED MEANS FOR SUSTAINING ARTIFICIAL TEETH IN THE MOUTH," to be as follows:—

My Invention relates to improved means of sustaining artificial teeth in the mouth by atmospheric pressure, and it consists in the employment of a peculiar flexible disc or diaphragm (or more than one according to the size and peculiarities of the mouth) applied in the usual vulcanite, metal, or other mounting or base of artificial teeth in such a way that when the mount is placed in position in the mouth a space will be left beneath the flexible disc, whence the air will be expelled on the disc being pressed up against the surface of the mouth. On the pressure being removed the disc will tend by its elasticity to resume its original position, thereby creating a partial vacuum beneath it. In this manner the artificial teeth are sustained by atmospheric pressure without the

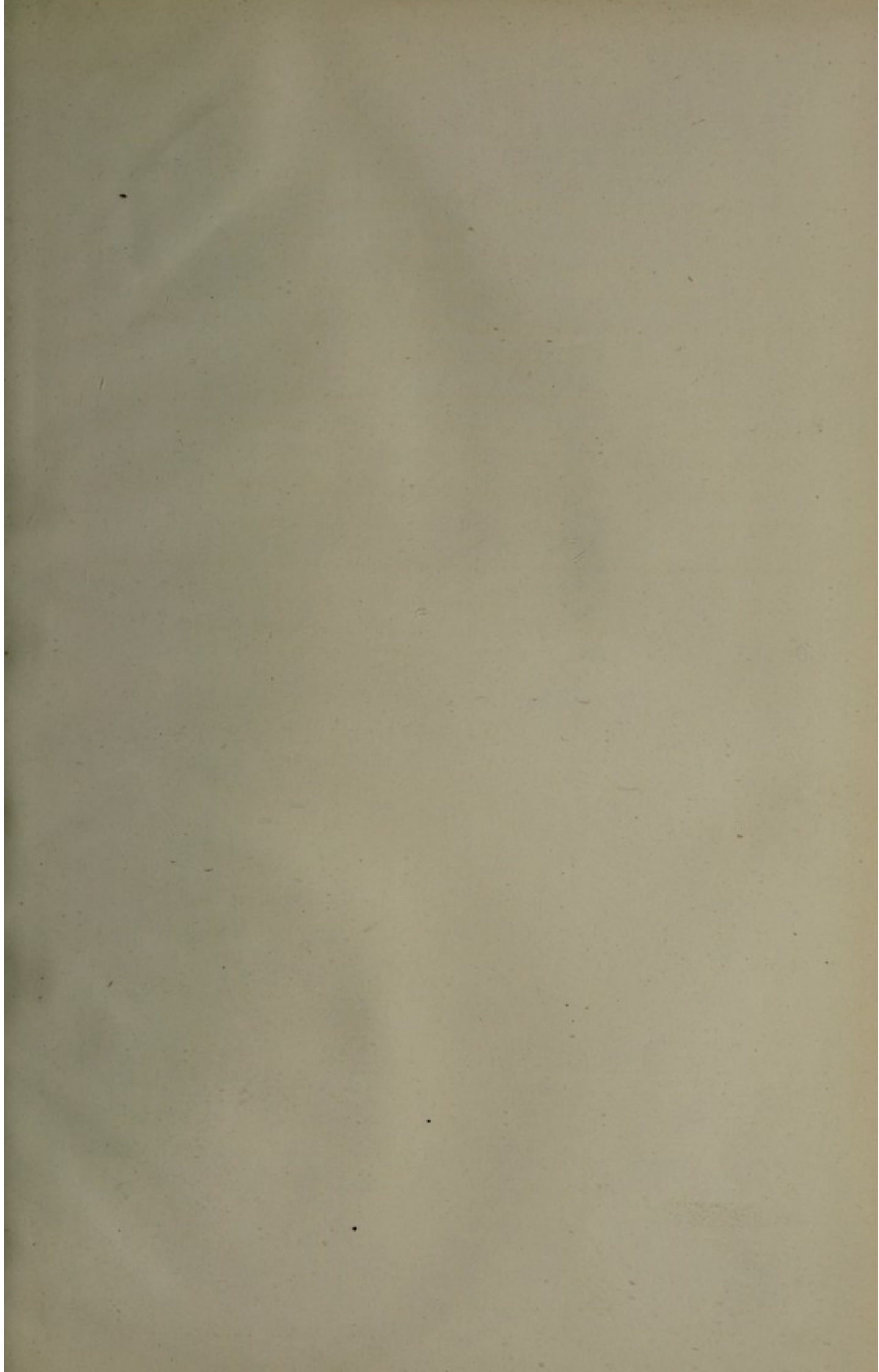
Whitehouse's Improved Method of Sustaining Artificial Teeth.

aid of wires, clasps, or springs. The flexible disc or diaphragm thus forms the top of a sort of vacuum or suction chamber, formed by making an opening in the mounting or base and inserting the flexible disc (which is of specially prepared vulcanite) in its place, a ring of the flexible vulcanite being also provided on the under side and surrounding 5 the disc so as to press closely against the surface of the gums to prevent the inlet of air when the vacuum is formed.

A feature of my Invention consists in preserving the flexible disc from the action of the saliva by coating it with a layer of gold, or other suitable metal placed on each side of the disc before it is vulcanized. 10 In the absence of this protective coating the disc would be liable to rapidly perish.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1875.



1875

The following is a list of the names of the persons who have been admitted to the office of the Secretary of the Board of Education, since the last meeting of the Board, on the 1st of January, 1875.

A list of the names of the persons who have been admitted to the office of the Secretary of the Board of Education, since the last meeting of the Board, on the 1st of January, 1875.

1875

The following is a list of the names of the persons who have been admitted to the office of the Secretary of the Board of Education, since the last meeting of the Board, on the 1st of January, 1875.