

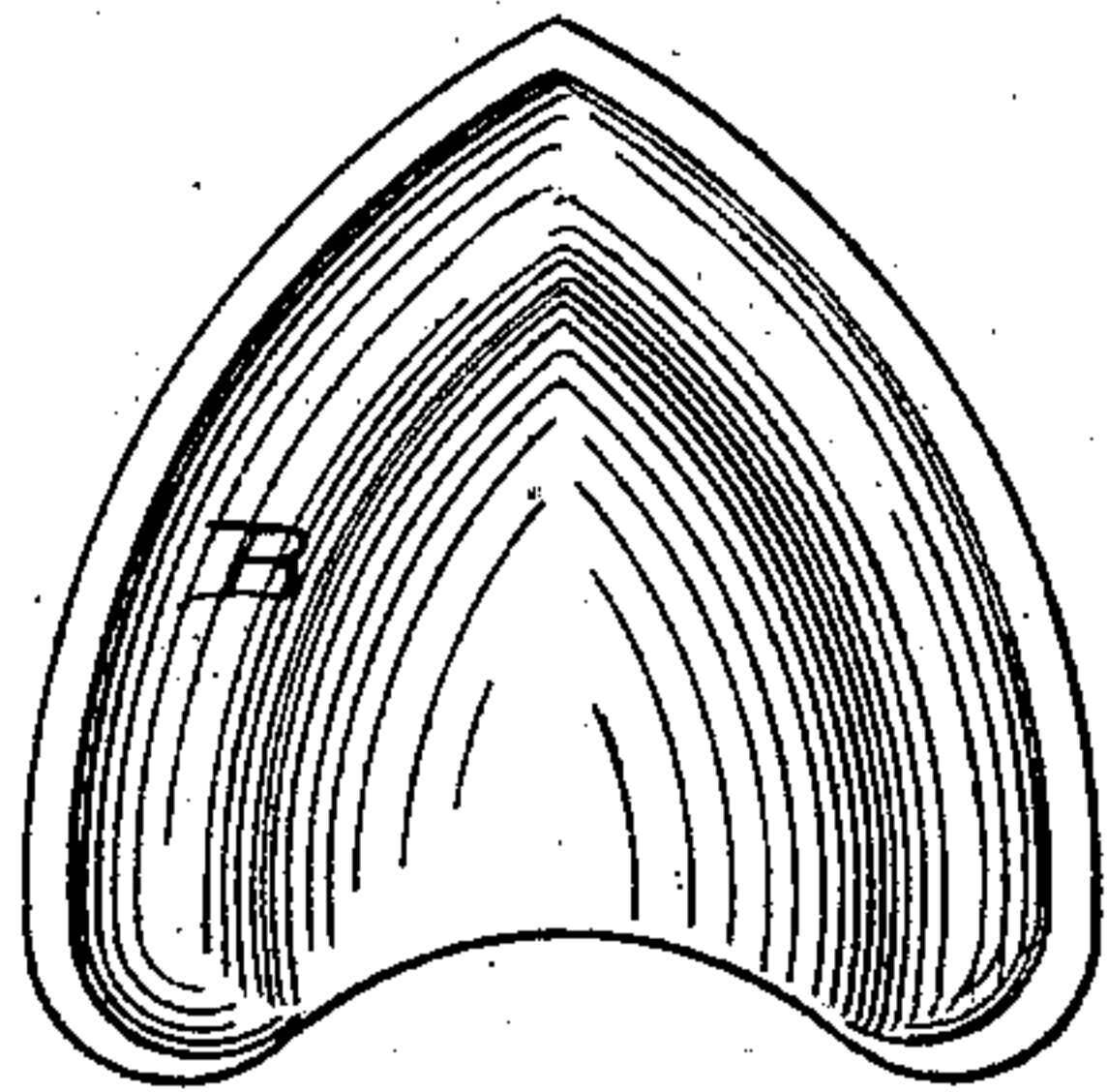
(No Model.)

G. F. REESE.  
TEMPORARY DENTAL PLATE.

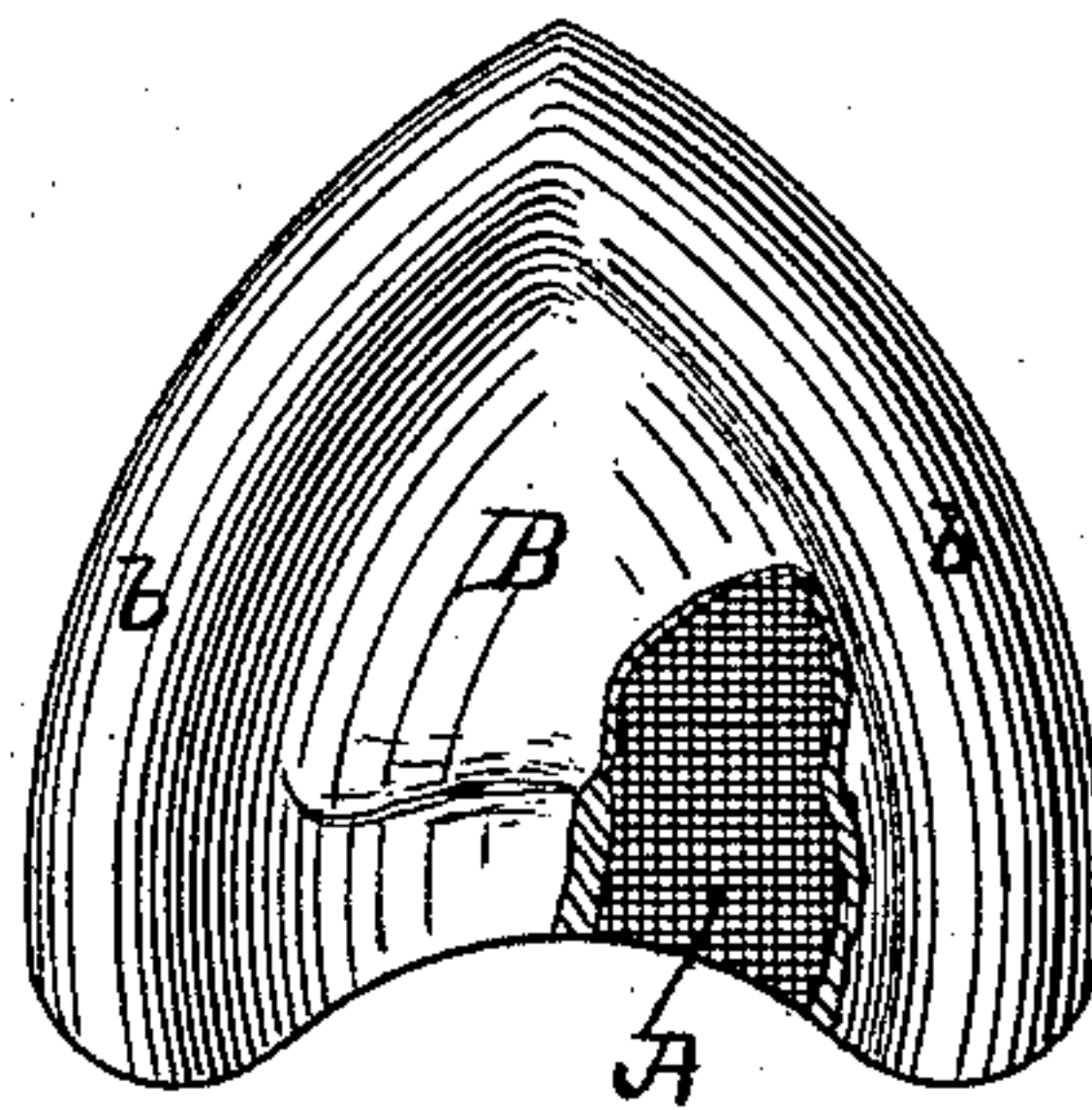
No. 286,845.

Patented Oct. 16, 1883.

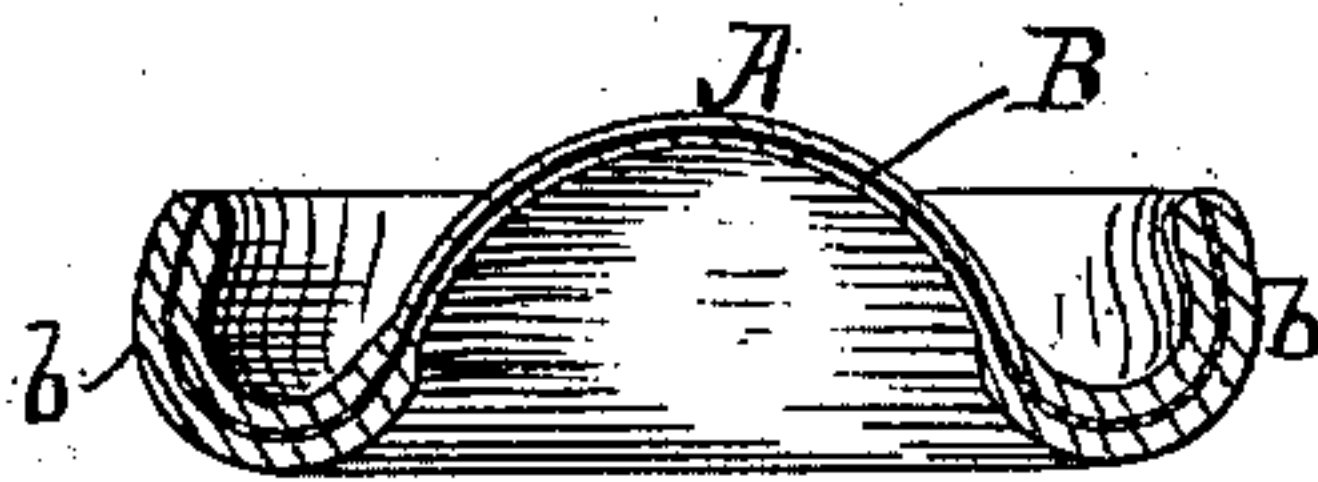
*fig. 1.*



*fig. 2.*



*fig. 3.*



*Witnesses:*

*Henry Fitch*

*a. s. Fitch.*

*Inventor*

*George F. Reese*

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*Atty.*

# UNITED STATES PATENT OFFICE.

GEORGE F. REESE, OF BROOKLYN, NEW YORK.

## TEMPORARY DENTAL PLATE.

SPECIFICATION forming part of Letters Patent No. 286,845, dated October 16, 1883.

Application filed January 2, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE F. REESE, of Brooklyn, county of Kings, in the State of New York, and a citizen of the United States, have invented an Improved Temporary Dental Plate, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a temporary dental plate designed to be employed in obtaining from the impression taken of the mouth and gums a model or pattern for the permanent dental plate, as hereinafter particularly set forth; and my invention consists in a temporary dental plate composed of metallic gauze or webbing incased in or enveloped by a coating of wax or analogous material, as and for the purpose hereinafter specified.

Figure 1 is a top plan, Fig. 2 is an under plan, and Fig. 3 is a cross-section, of a temporary dental plate embodying my invention.

In constructing my improved temporary dental plate, I take a sheet or piece of suitable size of metallic webbing or gauze, the mesh and thread of which is very delicate and fine, and I find it preferable, for the purpose of my invention, to employ a webbing or gauze of very finely drawn and closely woven copper wire.

This piece of webbing or gauze I anneal, so that it will be flexible and pliable. I then incase this piece of webbing or gauze in, or envelope it with, a coating of wax or other analogous material which is capable of at once adhering to the metal gauze and receiving and retaining upon its exposed surface impressions or indentations made thereon. Either prior to supplying the wax coating, or subsequently thereto, I fashion the plate into the form shown in the drawings.

In the drawings the temporary dental plate is shown. A represents the metallic webbing

or gauze, and B the wax coating or envelope. It is preferable that the webbing should extend throughout the plate from edge to edge thereof, and also that the wax coating should be thickened, as shown at *b*, at the sides near the edges.

Heretofore great difficulty has been experienced in obtaining temporary dental plates, which, while being sufficiently soft and pliable to be worked upon the model of the jaw, and to receive an accurate impression of the conformation of the mouth, and also to be handled in being fitted to the mouth, and to receive an impression from the opposite jaw by occlusion, will also be able to withstand the strain thus put upon it and the wear of manipulation, and not be warped or fractured. It is evident that a temporary dental plate constructed in conformity to my invention, as set forth, will be entirely pliable and flexible, while possessing the rigidity necessary to enable it to permanently retain the shape and outline given to it in its manipulation, and also having such strength as to preclude all liability to its fracture, or to shrinkage or warping, and, moreover, having a surface adapted to receive and retain all impressions made upon it. It also furnishes a much better base to which to attach the temporary teeth, in constructing the model for the permanent set, than any of the temporary dental plates now known.

What I claim as my invention, and desire to secure by Letters Patent, is—

A temporary dental plate composed of the metallic webbing or gauze A and an enveloping cover or coating of wax, B, substantially as and for the purpose specified.

GEORGE F. REESE.

Witnesses:

A. G. N. VERMILYA,  
HENRY EICHLING.