

**Improvements in and connected with dental plates for artificial teeth /  
[Mary Clarke Jenkins].**

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PROVISIONAL SPECIFICATION.

**Improvements in and connected with Dental Plates for Artificial Teeth.**

I, MARY CLARKE JENKINS, of 16, Minard Road, Crossmyloof, Glasgow, North Britain, Widow of Independent Means, do hereby declare the nature of this invention to be as follows:—

5 This invention which relates to dental plates for artificial teeth has special reference to the denture plate of the lower gums and consists in provision and means of effectually preventing the plate from rising or being displaced during the act of articulation, mastication or otherwise.

10 In carrying the invention into practice I cut from a piece of sheet india rubber or caoutchouc of good quality a shape or blank approximating to the shape of the plate as seen in inverted plan. I then cement or otherwise secure to the hollow surface of the plate coming in contact with the gums the said blank or liner which constitutes a vacuum former of extended suctional area.

15 To enable the liner to have a more tenacious hold to the vulcanite, I scratch, abrase, or otherwise slightly roughen that part of the surface which has to receive it.

In moulding the vulcanite denture from the cast taken of the gums it should be understood that provision is to be made of enlarging the cavity or surface which is to receive the liner in proportion to its thickness in order to obtain perfect fit and adaptation of the parts.

20 When suction discs are used in combination with the said suction liner these should be placed preferably at the extremities, and in preparing the blank holes or cut outs are to be formed at the points where the said suction discs are to be secured to the plate.

Dated this 23rd day of February 1898.

25

MARY CLARKE JENKINS,  
Applicant.

COMPLETE SPECIFICATION.

**Improvements in and connected with Dental Plates for Artificial Teeth.**

30 I, MARY CLARKE JENKINS, of 16, Minard Road, Crossmyloof, Glasgow, North Britain, Widow of Independent Means, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention which relates to dental plates for artificial teeth has special refer-

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*Jenkins's Improvements in and connected with Dental Plates for Artificial Teeth.*

ence to the denture plate of the lower gums and consists in provision and means of effectually preventing the plate from rising or being displaced during the act of articulation, mastication or otherwise.

In carrying the invention into practice I cut from a piece of sheet india-rubber or caoutchouc of good quality a shape or blank approximating to the shape of the plate as seen in inverted plan. I then cement or otherwise secure to the hollow surface of the plate coming in contact with the gums the said blank or liner which constitutes a vacuum former of extended suctional area.

To enable the liner to have a more tenacious hold to the vulcanite, I scratch, abrase, or otherwise slightly roughen that part of the surface which has to receive it.

In moulding the vulcanite denture from the cast taken of the gums it should be understood that provision is to be made of enlarging the cavity or surface which is to receive the liner in proportion to its thickness in order to obtain perfect fit, and adaptation of the parts.

In order that my invention may be properly understood and readily carried into effect, I have hereunto appended one explanatory sheet of drawings in the several figures of which corresponding parts are marked with the same letters of reference.

Figure 1 is a plan of a suction liner made in accordance with and constituting my invention.

Figure 2, is a front edge view of the same.

Figure 3, represents the suction liner applied to a denture plate of the lower gums which is shown in inverted view.

Figure 4, is a modified form of suction liner embodying my invention, and

Figure 5, is a longitudinal section taken on the lines *a, b*, Figure 4.

The liner illustrated in Figure 1, is cut to the shape shown from a sheet of rubber and has on its underside a smooth or approximately smooth surface but may be conveniently corrugated or otherwise roughened.

The liner A, and denture B, which are intended to be attached together have their contact surfaces slightly scratched or abraded so that they may have more intimate adhesion of parts which is obtained by a thin coating or coatings of solution or cement; or the attachment may be made by metal screws whose heads would form washers, the screws entering suitable sockets embedded in the denture plate.

Referring to Figures 4, and 5, the liner A, there shown is made from the mould and is formed with a slight circumferential lip or rim C, in order to provide a better means of vacuum former, which it indeed is.

Within this suction space or area I provide a number of circular projections or concentric rings D, disposed in the direction of the length of the liner, which also fulfil the ends of vacuum formers. Although my improved liner A, is shown applied to a complete denture plate it is to be understood it is also applicable to part sets.

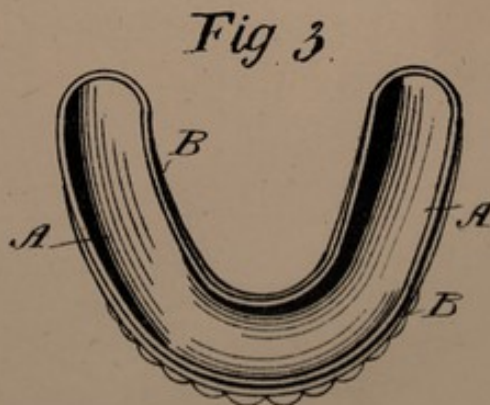
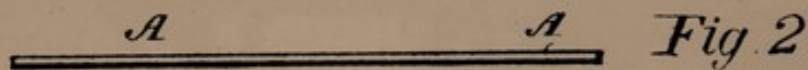
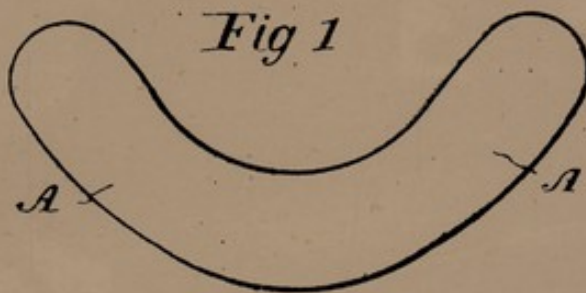
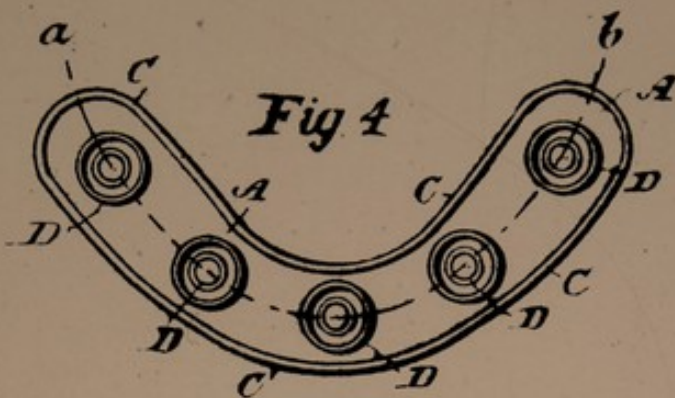
Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

In denture plates of artificial teeth for the lower gums a liner secured to the said denture plate on the under-side composed of india-rubber or caoutchouc and constructed and operating substantially in the manner as and for the purposes hereinbefore described and shown on the accompanying sheet of drawings.

Dated this 22nd day of November 1898.

JOSEPH HENRY PEARSON,  
Applicant's Agent.





[This Drawing is a reproduction of the Original on a reduced scale]

