

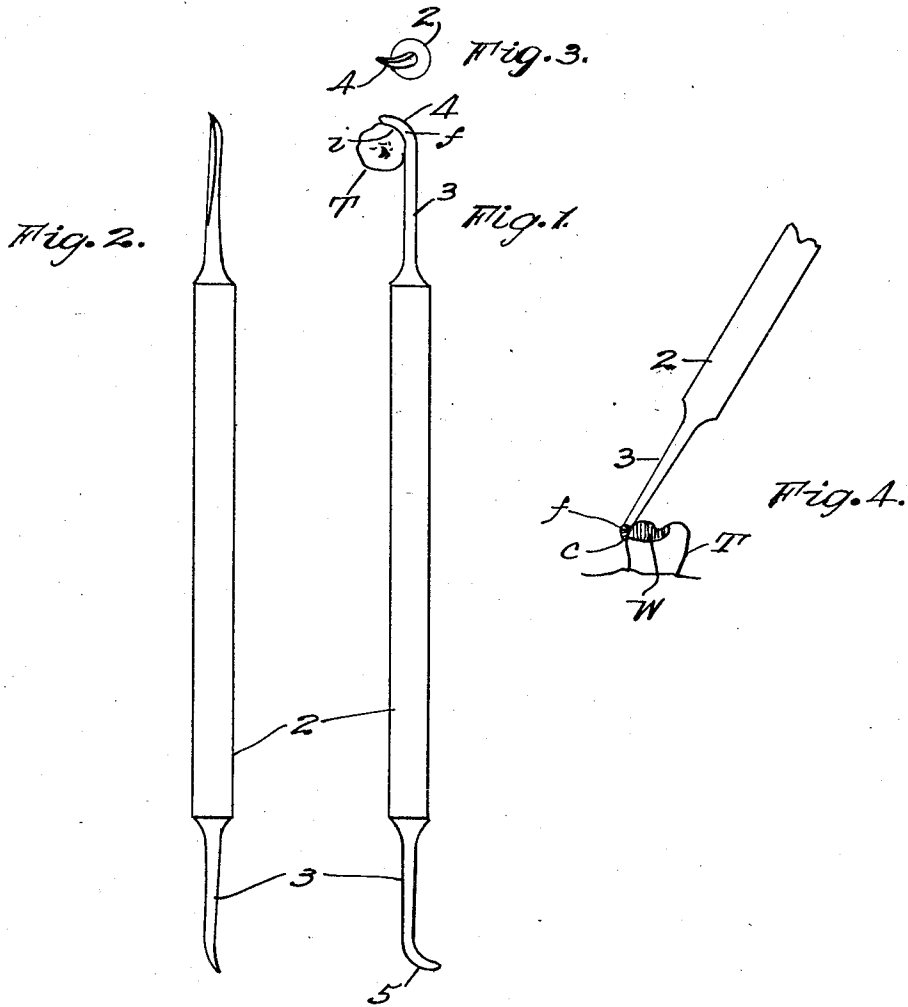
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A. E. PECK

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DENTAL WAX CUTTING AND ADAPTING INSTRUMENT

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INVENTOR,
Arthur E. Peck;
BY *F. E. Maynard*
his ATTORNEY.

UNITED STATES PATENT OFFICE

ARTHUR E. PECK, OF LOS ANGELES, CALIFORNIA

DENTAL WAX CUTTING AND ADAPTING INSTRUMENT

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This invention relates to dental apparatus and more especially to a dental wax cutting and adapting instrument.

It is an object to provide a hand tool for facilitating the cutting of a wax pattern to tooth form and for adapting it in contour with precision and speed.

To that end the tool consists of a handle with end shanks which have similar shape right and left nibs of such curvature as to nicely conform to the side face curves of a tooth to dress a wax pattern to conform, and of such mass as to reasonably retain enough heat to aid in adapting the wax to place, and having a sufficiently acute edge to cut the mounted wax on the tooth surface.

Figure 1 is a plan of the tool.

Figure 2 is a side elevation thereof.

Figure 3 is an end view.

Figure 4 is a view showing the nib in cross-section and applied as a cutter.

The tool as shown has a substantial handle 2 reduced at each end to shanks 3 which have right and left operative nibs 5 and 5 of similar form.

Each nib consists of a band of about 90° from the tangent shank as seen in Figure 1 so that its inner edge *i* will closely conform to the average curvature of teeth of a given size range; it being understood that tools may be made in sets of different sizes. The length of the nib is substantially equal to that of the quarter turn so that its terminal can be worked in an orbit around the tooth in a manner not possible with tools whose bends extend in straight tips.

The nib has a cross-section of such form as to provide a cutting edge *c* effective when the tool is held to an angle of say 45° to the axis of the tooth I.

The inner face *f* of the nib forms an adapting means to shape the wax *W* and the mass of the nibs is preferably sufficient to act as a vehicle to hold heat to aid in the adaptation.

It is understood that modifications, variations and adaptations of the tool may be resorted to within the principle, spirit and scope of the invention as it is more directly now claimed.

What is claimed is:

A dental wax cutting and adapting tool having a nib which is of quarter turn length and has an inner face which lies at an angle of about 30° across the axis of the nib shank; the nib having a full rounded outer surface adaptable for burnishing and with which the inner angular face meets to provide a cutting edge at the bottom of the nib.

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