

No. 698,997.

Patented Apr. 29, 1902.

J. W. McCONNELL.
DENTAL INSTRUMENT.

(Application filed Feb. 8, 1901. Renewed Dec. 17, 1901.)

(No Model.)

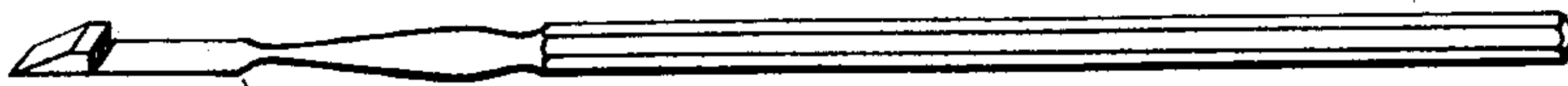


Fig. 1.



Fig. 2.

Witnesses.

J. L. Sellers
J. L. King

Inventor.

Jesse W. McConnell

UNITED STATES PATENT OFFICE.

JESSE W. McCONNELL, OF CORNELIA, GEORGIA.

DENTAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 698,997, dated April 29, 1902.

Application filed February 8, 1901. Renewed December 17, 1901. Serial No. 86,281. (No model.)

To all whom it may concern:

Be it known that I, JESSE W. McCONNELL, a citizen of the United States, residing at Cornelia, in the county of Habersham and State of Georgia, have invented certain new and useful Improvements in Dental Instruments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in dental instruments, and especially to an amalgam-carrier designed especially for use in carrying amalgam from a bracket or table to the tooth of a patient, and in carrying out my invention I take a steel tool and solder or otherwise secure thereto a piece of silver or other suitable metal, which is afterward immersed in quicksilver for a number of hours, thus forming an alloy. The tip of the instrument after being removed is filed down, forming a beveled surface, against which the pieces of amalgam for the filling will adhere when brought into contact with each other.

The invention will be hereinafter more fully described and then specifically defined in the appended claims and is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of an instrument, showing the head secured thereto, which head is made of silver and beveled. Fig. 2 is a longitudinal sectional view through the instrument.

Reference now being had to the details of the drawings by letter, A designates the shank

portion of a dental instrument, which may be of any suitable shape or size, to one end of which instrument is soldered or otherwise secured a piece of silver or other metal having an affinity for quicksilver. The tip of the instrument thus formed of the piece of silver secured to the steel instrument is immersed in quicksilver for a number of hours, which causes an alloy to be formed by the action of the silver on the quicksilver. After the instrument has been removed from the quicksilver the alloyed tip is preferably filed down, forming a smooth beveled surface B, which surface will be in a horizontal position when the instrument is held in a natural or normal position. By bringing the flat beveled surface in contact with the small balls of the amalgam filling the balls, being also of a similar alloy, will adhere to the alloyed end of the instrument and may be conveyed from the bracket or table to the mouth of the patient, where it may be easily deposited in the cavity of the tooth.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

1. An amalgam-carrier consisting of a dental instrument having a piece of silver secured thereto, and a silver-amalgam coating on said piece of silver, as set forth.

2. An amalgam-carrier consisting of a dental instrument having a beveled piece of silver mounted thereon, and a silver-amalgam coating on said piece of silver, as set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JESSE W. McCONNELL.

Witnesses:

J. T. KING,

G. G. STRANGE.