

(No Model.)

E. B. LODGE.
DENTAL MATRIX.

No. 582,213.

Patented May 11, 1897.

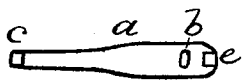


Fig. 4.

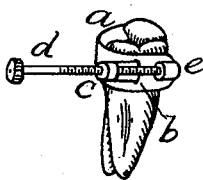


Fig. 3.



Fig. 2.

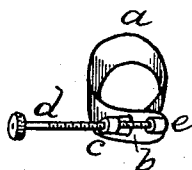


Fig. 1.

Witnesses,
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Inventor,
Edward B. Lodge.
By his Attorney Geo. W. Fidditts

UNITED STATES PATENT OFFICE.

EDWARD B. LODGE, OF CLEVELAND, OHIO.

DENTAL MATRIX.

SPECIFICATION forming part of Letters Patent No. 582,213, dated May 11, 1897.

Application filed December 24, 1896. Serial No. 616,876. (No model.)

To all whom it may concern:

Be it known that I, EDWARD B. LODGE, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Dental Matrices, of which the following is a specification.

This invention relates to dental matrices; and it consists of a thin strip or band of metal having a slot near one end through which the opposite end is slipped. On said end of the strip is provided a nut through which is put a thumb-screw having one end attached in a projection on the other end of said strip or band by means of a swivel-joint, whereby the band, when placed on a tooth, may be tightened and clamped thereon.

In the accompanying drawings, Figure 1 is a perspective view of my new matrix. Fig. 2 is a top view of the same as seen placed on a tooth. Fig. 3 is a side elevation of the same. Fig. 4 is a straight flat view of the plain metal strip.

a in the several figures represents a strip of thin steel of sufficient length to wrap around a tooth and lap a short distance. It is narrowed in width from about the middle to one end. In the widest part and near one end is made a cross-slot *b*, through which the narrow portion is passed, as seen in Figs. 1 and 3, thus forming the strip into a band designed for surrounding and embracing a tooth.

On one end of the strip is attached a nut *c*. *d* is a thumb-screw playing in said nut, having its end secured by a swivel to a projection *e* on the other end of the strip. This is for tightening the band upon the tooth, which is done by turning the screw and pressing the two ends apart, which draws the narrow part of the band through the slot and contracts the band, thus making a neatly-formed matrix on the tooth for filling a cavity, as seen in Fig. 2. It will be seen that this band when expanded may be easily applied upon teeth of different sizes and shapes and quickly tightened upon it for completing a matrix, greatly facilitating the work and relieving the patient of tedious delays.

Having described my invention, what I claim is—

In dental matrices, the combination of a metal band having a slot near one end through which the opposite end of the band is passed; and a nut on said end, with a screw in said nut bearing against a projection on the other end of said band, adapted to be placed upon teeth and to be clamped thereon, substantially as and for the purpose set forth.

EDWARD B. LODGE.

Witnesses:

FRANK COMBES,
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