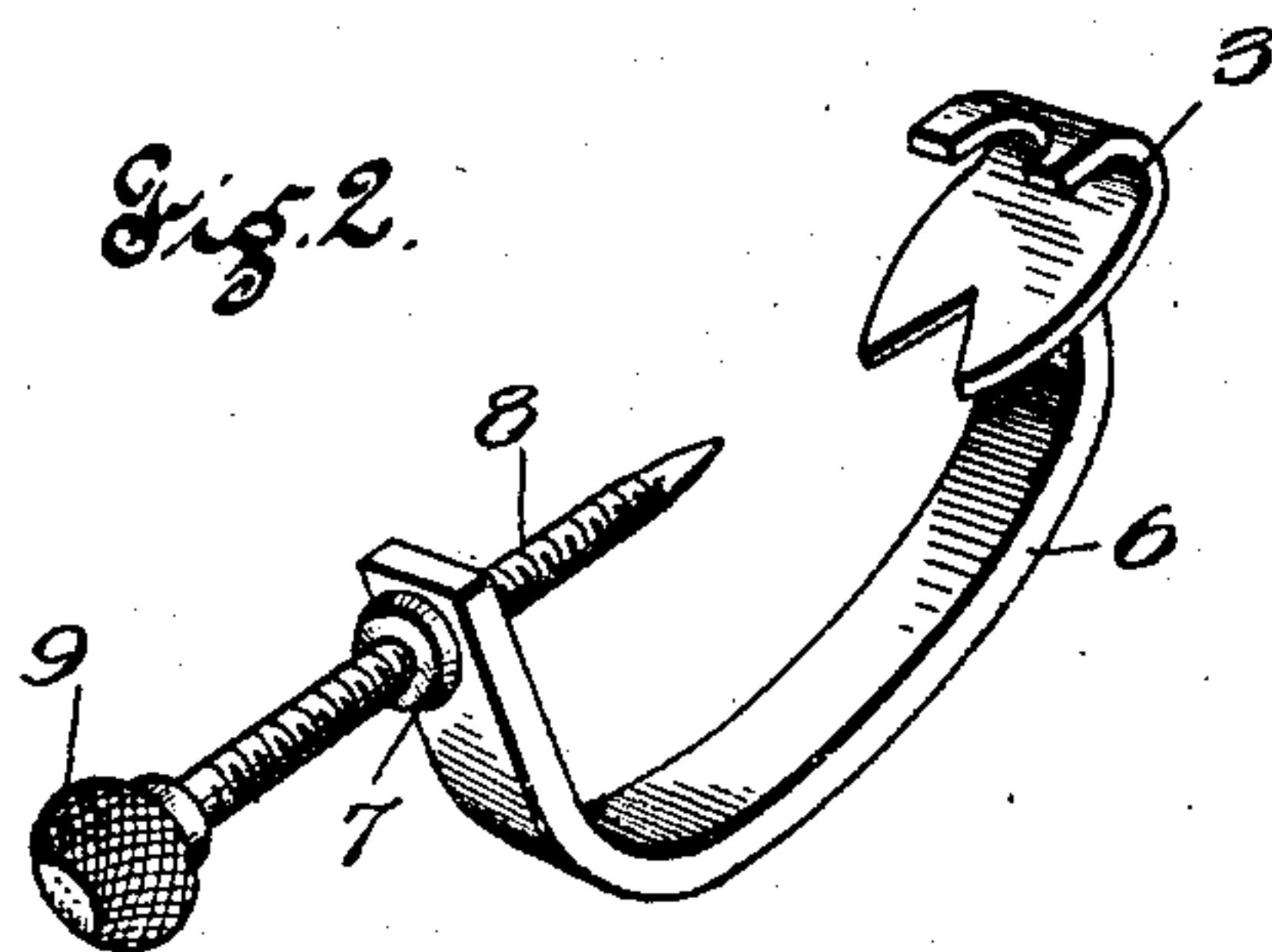
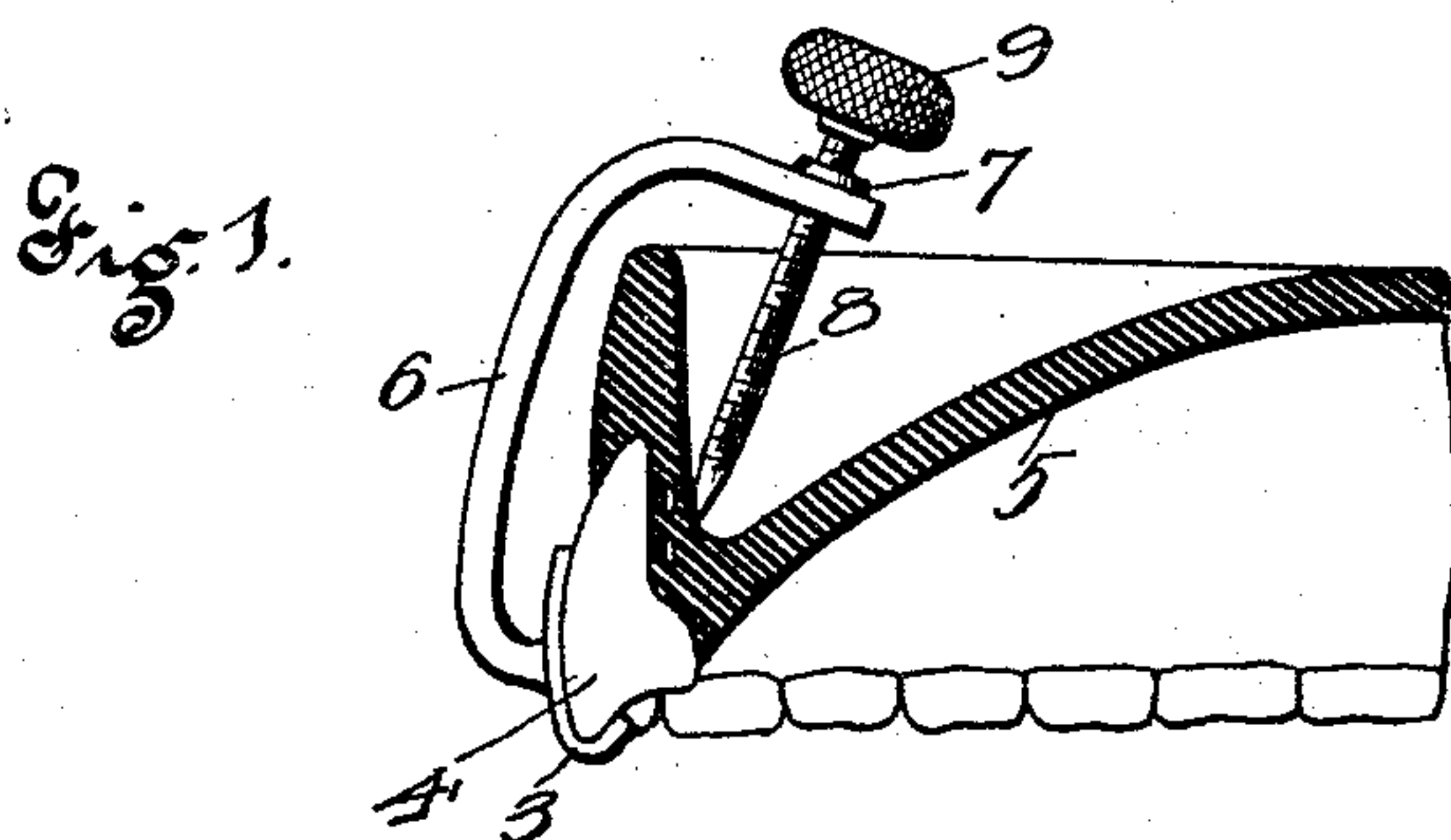


No. 795,754.

PATENTED JULY 25, 1905.

R. E. BARTON.
DENTIST'S TOOTH CLAMP.
APPLICATION FILED FEB. 1, 1905.



Witnesses
Ed. M. Harrington

Inventor
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by Hydon & Langan & Hopkins Attys.

UNITED STATES PATENT OFFICE.

ROBERT E. BARTON, OF ST. LOUIS, MISSOURI.

DENTIST'S TOOTH-CLAMP.

No. 795,754.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed February 1, 1905. Serial No. 243,708.

To all whom it may concern:

Be it known that I, ROBERT E. BARTON, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Dentists' Tooth-Clamps, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in dentists' tooth-clamps; and it consists of the novel features herein shown, described, and claimed.

In the drawings, Figure 1 is a view showing a set of false teeth in section and illustrating the operation of inserting a new tooth into the set of false teeth by the use of the dentist's tooth-clamp embodying the principles of my invention, the tooth-clamp being shown in elevation. Fig. 2 is a perspective of the dentist's tooth-clamp.

Referring to the drawings in detail, a piece of sheet metal is formed to produce a tooth-seat 3, adapted to receive and support the tooth 4 when it is desired to insert said tooth 4 into the artificial plate 5. The bracket 6 is secured to the tooth-seat 3 by brazing, welding, or soldering, and a screw-bearing 7 is formed at the upper end of the bracket. The clamp-screw 8 is screw-seated in the bearing 7, there being a knurled head 9 upon the screw to be used as a handle.

When a tooth is broken from an artificial plate, the operation of inserting a new tooth has heretofore been difficult and laborious. By the use of my invention this operation is greatly simplified. Heretofore this opera-

tion has involved, first, half-flasking, applying material for separation; second, half-flasking, one plaster-mixing, separating-flask, heating to separate flasks, packing rubber to vulcanize, pressure in vise to close flasks, waxing to hold tooth in position, cutting away rubber and grinding tooth to position, vulcanizing, and scalding away wax.

By the use of my invention the operation involves cutting away rubber and grinding tooth to position, putting a little rubber in the tooth-socket, applying my dentist's tooth-clamp, forming rubber in position with hot spatula, making one flask, closing and vulcanizing.

It is not necessary that the tooth-seat 3 be made exactly to fit the tooth. It is only necessary that the tooth-seat be of such a form that the tooth will rest in the seat and not slip out of the seat when the screw 8 is tightened.

I claim—

In a dentist's tooth-clamp; a tooth-seat adapted to receive a tooth; a bracket extending from the tooth-seat and having a screw-threaded bearing; and a clamping-screw mounted in said bearing adapted to engage the artificial plate and hold the new tooth in position.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

ROBERT E. BARTON.

Witnesses:

ALFRED A. EICKS,
M. SCHULZE.