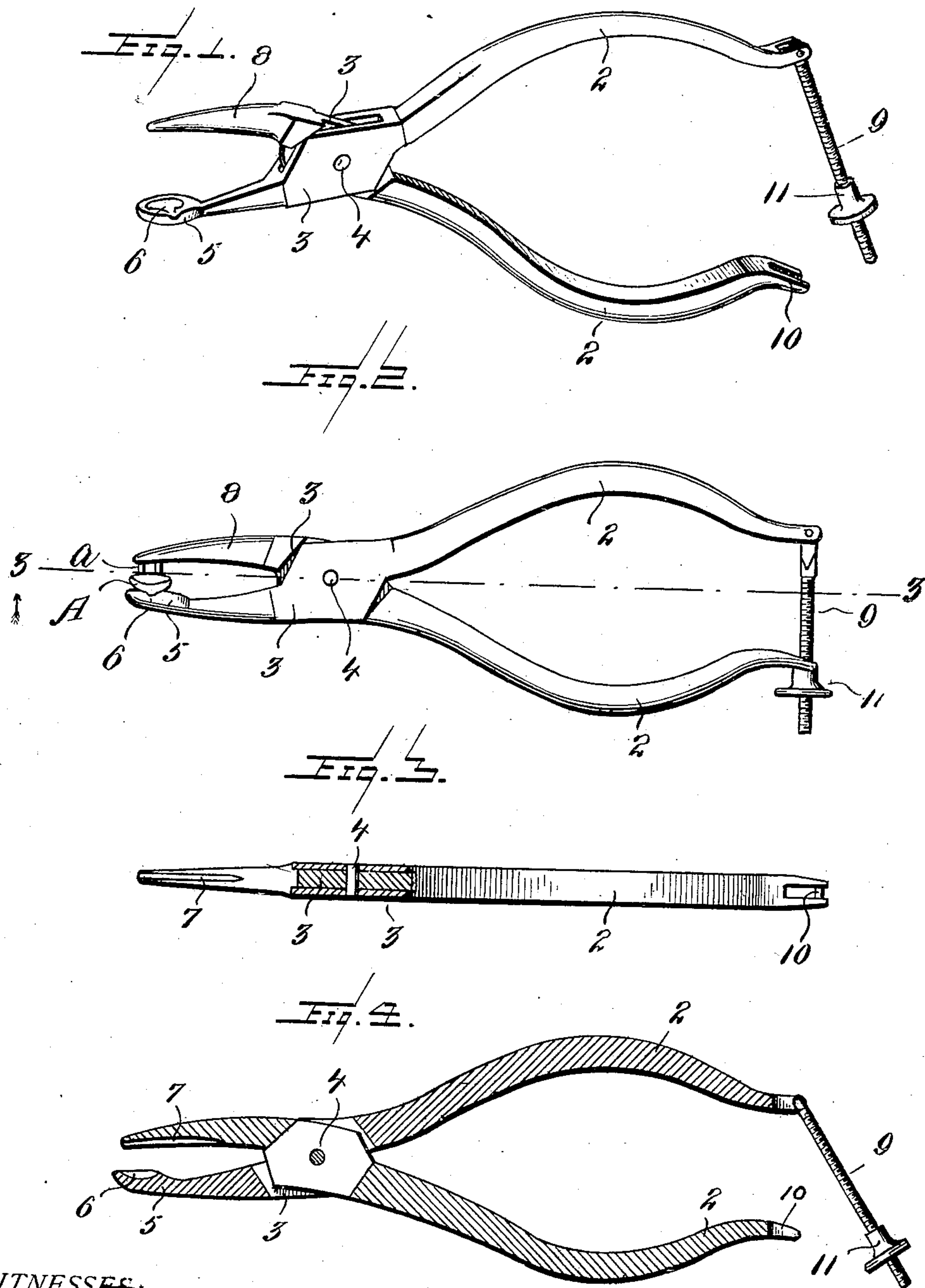


No. 862,588.

PATENTED AUG. 6, 1907.

L. E. ROWLEY.
DENTAL PLIERS.
APPLICATION FILED FEB. 16, 1907.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LLOYD E. ROWLEY, OF JEWELL, KANSAS.

DENTAL PLIERS.

No. 862,588.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed February 16, 1907. Serial No. 357,734.

To all whom it may concern:

Be it known that I, LLOYD E. ROWLEY, a citizen of the United States, and a resident at Jewell city, in the county of Jewell and State of Kansas, have invented
5 a new and useful Improvement in Dental Pliers, of which the following is a specification.

My invention relates to pliers, and has for its object to produce an implement of this kind that is particularly adapted for use by dentists in the holding of
10 dental facings while they are being ground and shaped. Heretofore, much difficulty has been experienced by dentists in steadily holding these facings during the grinding, shaping and polishing operations, owing to their very small size and peculiar shape.

15 I have invented and here show a pair of pliers so constructed that a facing may be securely held for grinding, the parts that are to be ground being properly exposed for the action of the grinding tools.

Figure 1 is a perspective view of an implement embodying my invention. Fig. 2 is a side elevation
20 showing a dental facing secured between the jaws. Fig. 3 is a sectional view on the line 3—3 of Fig. 2. Fig. 4 is a cross-sectional view at right angles to the section shown in Fig. 3.

25 The pliers in their general features are of any usual or preferred construction.

I have shown the implement as comprising two pivoted parts having the arms 2—2 arranged to be grasped, and the jaw-carrying arms or limbs 3—3, which extend
30 forward beyond the pivot 4 that unites the two parts. One of the arms 3 carries a relatively broad jaw 5 adapted to receive the outer surface of the tooth facing, which is designated by A. Preferably this jaw is formed with a depression or shallow recess 6, in order

to provide a good seat for the facing. The other arm 35 carries a peculiarly shaped jaw 8, especially constructed to engage with the pins *a* which are set in the facing and project beyond the rear surface thereof. This jaw is preferably narrow and provided with a groove
40 7, on its inner face, or other seat into which the ends of the pins may enter. The jaw 5 constitutes a broad bearing against which the tooth facing may be firmly seated, and provides a substantial backing and support for the facing while being ground; while the other jaw 8 serves both to hold the facing in place against
45 the jaw 5 and to prevent the turning of the facing during the grinding and other manipulations to which it is subjected.

In order to hold the facing, after it has once been put into place between the jaws of the pliers, I may
50 make use of some suitable means for drawing together and holding the arms of the pliers, and as an example of such device have shown a screw-threaded rod 9, which is pivoted to one of the handles 2 and adapted to pass through a slot 10 in the opposite handle. A nut
55 11 upon the rod 9 operates to hold the jaws together.

What I claim is:

1. A pair of pliers comprising a relatively broad holding jaw and an opposing jaw grooved on its inner face, substantially as set forth.

2. A pair of pliers adapted to be used in the holding of dental facings, comprising a broad holding jaw and an opposing narrow jaw grooved in its inner face adapted to engage with the ends of pins that project from the rear side of the facing, substantially as set forth.

LLOYD E. ROWLEY.

Witnesses:

L. S. GRIMM,
FRANK RUNYAN.