

Snow & Lewis,
Dental Plugging Instrument,
No 59,784, *Patented Nov. 20, 1866.*

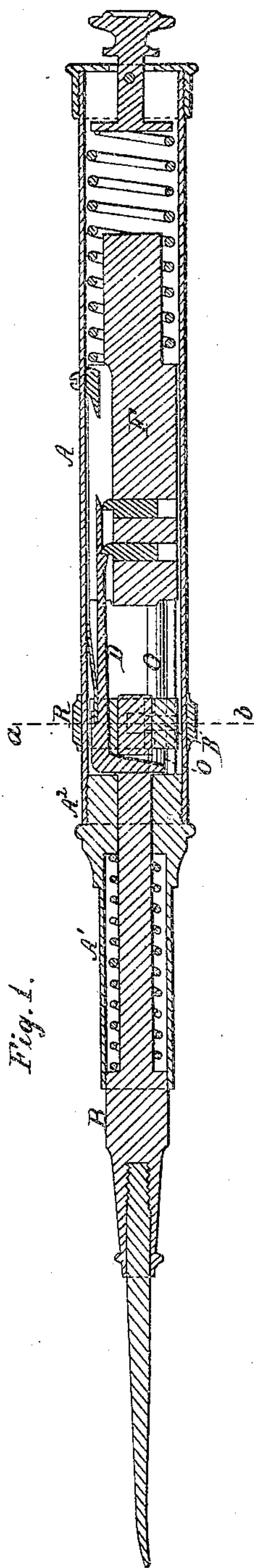


Fig. 1.



Fig. 3.

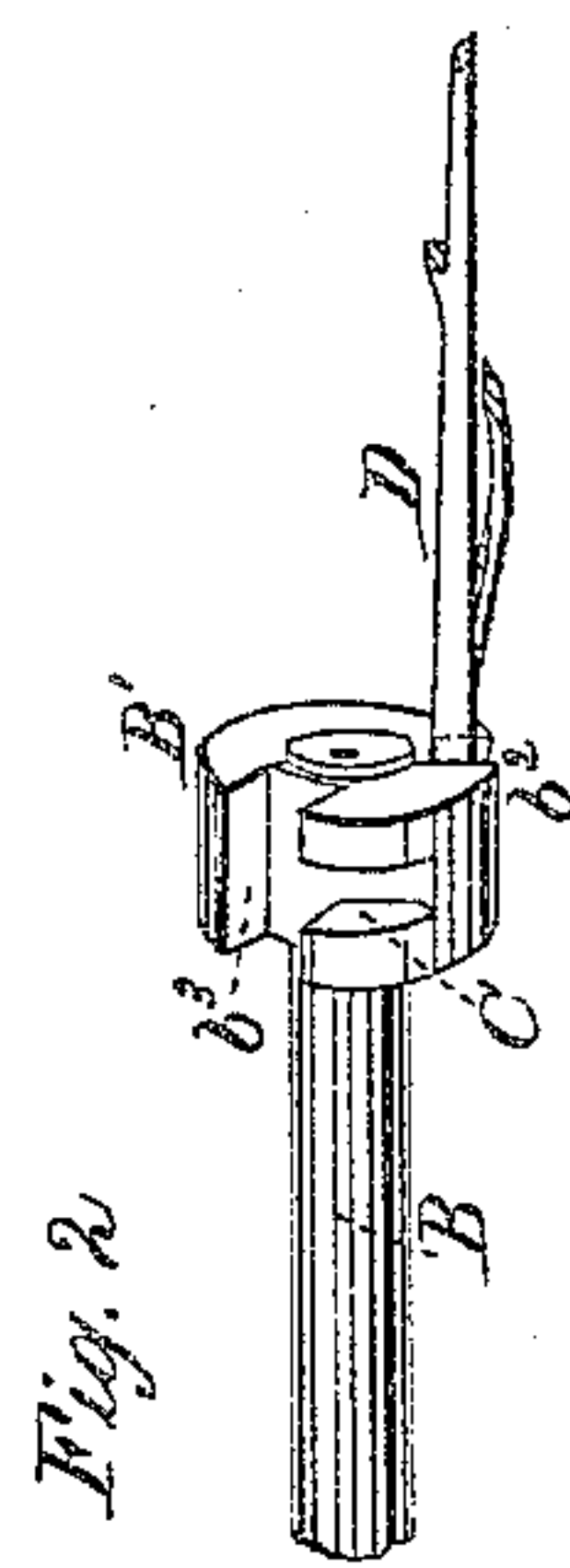


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

G. B. SNOW AND T. G. LEWIS, OF BUFFALO, NEW YORK.

IMPROVEMENT IN DENTAL PLUGGING-INSTRUMENTS.

Specification forming part of Letters Patent No. 59,784, dated November 20, 1866.

To all whom it may concern:

Be it known that we, GEORGE B. SNOW and THEODORE G. LEWIS, of the city of Buffalo, county of Erie, and State of New York, have invented an Improvement in Dentists' Plugging-Instruments; and we do hereby declare that the following is a full, clear, and exact description thereof, having reference to the annexed drawings, making a part of this specification, in which—

Figure I is a vertical section of our improved instrument as a whole. Fig. II is a perspective view of the portion thereof which is the subject-matter of the present improvement. Fig. III is a transverse section on line *a b*, Fig. I.

Letters of like name and kind refer to like parts in each of the figures.

The nature of this invention relates to so constructing a dental plugging-instrument that it may be used either as a "hand-pressure" instrument or as a "spring-plugger," giving repeated blows, as may seem most desirable to the operator, and thereby enable the operator to graduate the force to the work to be done with greater nicety than by any means heretofore employed.

The case which holds the working parts of the instrument is made up in two sections, *A* representing the upper, and *A*¹ the lower section. It is in the form of a tube or hollow cylinder, and the lower section has a hollow plug, which screws into the upper section, as shown at *A*².

The tool-holder is represented at *B*. This has a collar, *B*¹, which is screwed upon its inner end. This collar has two longitudinal grooves, *b*² and *b*³. The groove *b*² receives the lower end of the lifting-bar *D*, and the other, *b*³, passes over the feather *O* as the tool-holder moves up or down in the case. A horizontal slot or groove, *C*, is formed in this collar for the purpose of locking the instrument, so that it may be used as a hand-pressure instrument,

instead of an instrument giving repeated blows automatically.

R is a ring, which is placed around the case, and over a horizontal slot made in the case, and *S* is a screw which is fitted into the ring and projects through the slot, as shown in Fig. III.

Now, when the ring is turned to the position shown in Fig. III, the projecting end of the screw *S* passes into the horizontal slot or groove *C*, and locks the parts so that the tool-holder cannot move in either direction.

The instrument may be used as a hand-pressure instrument. Then, to change it to give blows, turn the ring *R*, so as to place the screw in the slot or groove *b*³, and in the space between the two parts of the feather *O*, as shown in dotted lines in Fig. III. The instrument is unlocked and the operating parts are all free, so that repeated blows may be given by the hammer *F* upon the head of the tool-holder, and all the effects of the mallet thereby obtained.

A full and ample description of the construction and operation of the several parts of this instrument having been given in the specification of the patent granted us on the 30th day of October, A. D. 1866, (No. 59,284,) excepting the improvements herein particularly described, we herein refer to said patent, deeming it unnecessary to repeat such description.

What we claim as our invention, and desire to secure by Letters Patent, is—

So constructing a dental plugging-instrument that it may be operated automatically to give repeated blows, or its operating parts locked, so that it may be used as a hand-pressure instrument, substantially as described.

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THEODORE G. LEWIS.

Witnesses:

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