C. D. CHENEY.

Dental Articulator.

No. 161,931. Patented April 13, 1875.

Fig. 1.

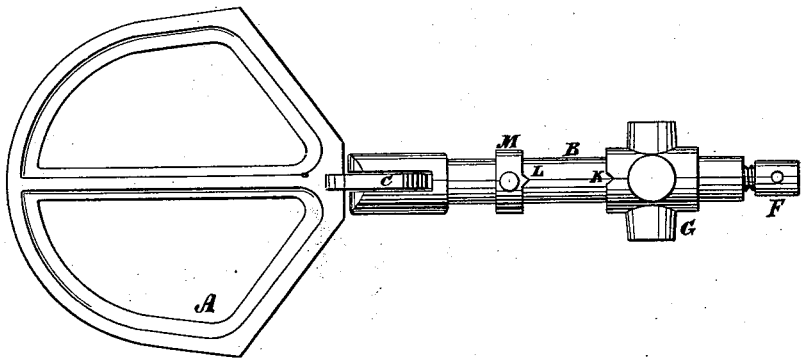


Fig. 2.

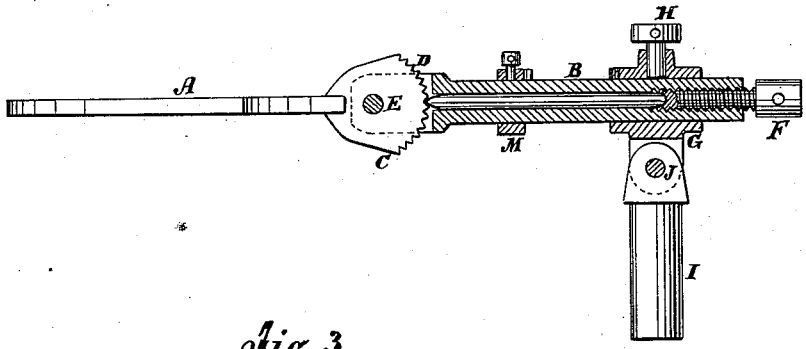
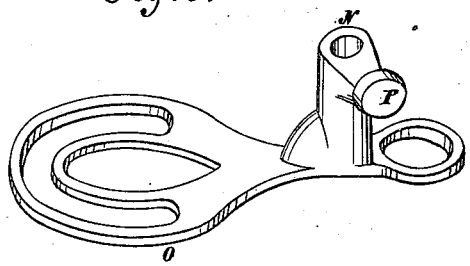


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES D. CHENEY, OF CANANDAIGUA, NEW YORK.

IMPROVEMENT IN DENTAL ARTICULATORS.

Specification forming part of Letters Patent No. **161,931**, dated April 13, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, CHARLES D. CHENEY, of Canandaigua, in the county of Ontario and State of New York, have invented a new and useful Improvement in Dental Articulator, of which the following is a specification:

This invention relates to the science of dentistry; and consists in an apparatus denominated an "Articulator," used in holding the molds when artificial teeth are being set up, the main object being to facilitate the articulation of the molds.

In the accompanying drawing, Figure 1 is a side view of the lower plate connected with the shaft, so as to be set parallel with or at any desired angle to the shaft. Fig. 2 is a longitudinal section of the same when turned in any other position. Fig. 3 is a side view of the upper plate, having the socket for the pivot-rod attached.

Similar letters of reference indicate corresponding parts.

A is the lower plate. B is the shaft. On this plate is an extension, C, the circular edge of which D is serrated and enters the slotted end of the shaft, where it is confined by the pivot-pin E, which allows it to be raised and lowered to form any desired angle with the shaft. The shaft B is a tube, and F is a screw, which works therein, the end of which engages with the serrated edge D of the extension, and thereby holds the plate in any desired position. G is a saddle on the shaft B, through which said shaft may slide and rotate when not held by the set-screw H. I is the pivot-rod attached to the saddle by the joint-pin J. K is a nick in the edge of the saddle, which receives a little point or projection, L, on the sliding collar *m*, which allows the two parts of the articulator to be placed (after being separated) in the exact position they occupied. O is the upper plate, which it will be seen may be turned in any position on the pivot-rod and fastened wherever desired by the set-screw P. The arrangement of the plates (or jaws) is such that they can be moved near each other, and thus diminish the quantity of plaster used in making the mold.

It will be seen that the plates are readily separated and that no small pieces are left loose to be lost when the parts are thus separated.

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

1. Combined with an articulator the serrated projection C pivoted in the slotted end of the shaft B, and the long set-screw F, for the purpose described.

2. The jaw or plate O in combination with the pivot-rod I and socket N, for the purpose described.

3. The saddle G and collar *m*, with nick K and point L, for the purpose described.

CHARLES D. CHENEY.

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