

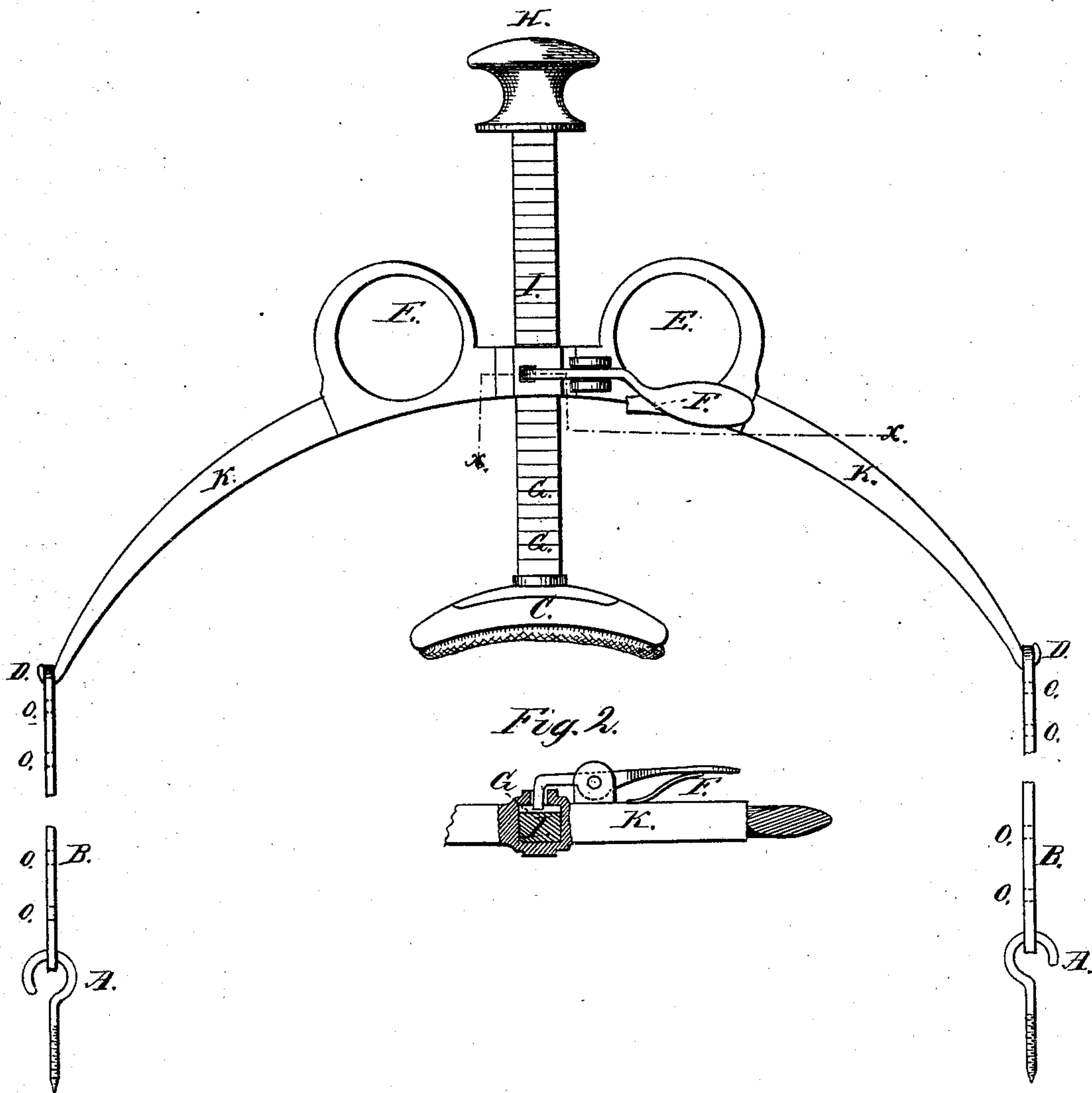
E. O. SMITH.

Dental Apparatus for Obtaining the Bite.

No. 147,025.

Patented Feb. 3, 1874.

Fig. 1.



Witnesses:

A. B. Paxton
Jno. Foskay.

Inventor:

Edgar O. Smith

UNITED STATES PATENT OFFICE.

EDGAR O. SMITH, OF ALBANY, OREGON.

IMPROVEMENT IN DENTAL APPARATUS FOR OBTAINING THE BITE.

Specification forming part of Letters Patent No. **147,025**, dated February 3, 1874; application filed September 22, 1873.

To all whom it may concern:

Be it known that I, EDGAR O. SMITH, of the city of Albany, in the county of Linn and State of Oregon, have invented a new and useful machine for obtaining what is known in dentistry as the "bite," called "Smith's Apparatus for Obtaining the Bite;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of the invention is to secure the true bite after obtaining impressions of the mouth for plates of false or manufactured teeth.

K K is a circular bar of iron, having an aperture in the center. I is a bar of iron passing through the aperture in the circular bar K K. E E are apertures for the fingers, attached to the circular bar K K. F is a spring, attached to the circular bar K K, and used for the purpose of holding the bar I in any given position. G G are notches on the bar I, into which the spring F enters, to hold the bar I in position. H is a common ivory knob on the end of the bar I. C is a chin-pad on the other end of the bar I. D D are hooks on each end of the circular bar K K. B B are two leather straps extending from the hooks D D to the hooks

A A. A A are screws with hooks, attached to the head-rest on any dental chair. O O on each of the straps B B are apertures, by means of which the straps can be shortened or lengthened.

The machine is operated as follows: Attach the straps B B to the hooks A A and the hooks D D, and adjust the length of the straps to the person operated upon; then adjust the chin-pad C to the chin of the person. The chin is then pressed back by the bar I (the mouth of the person operated upon being open) until the chin and under jaw are in their natural position. The bar I is then fastened in its position by the spring F, and the person then closes the mouth, and the bite is obtained.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the circular bar, held at any required point upon the cushioned bar I by means of the pawl F, for the purpose of taking the bite in dental operations, all as described.

Dated September 10, 1873.

EDGAR O. SMITH.

Witnesses:

A. B. PAXTON,
JNO. FOSHAY.