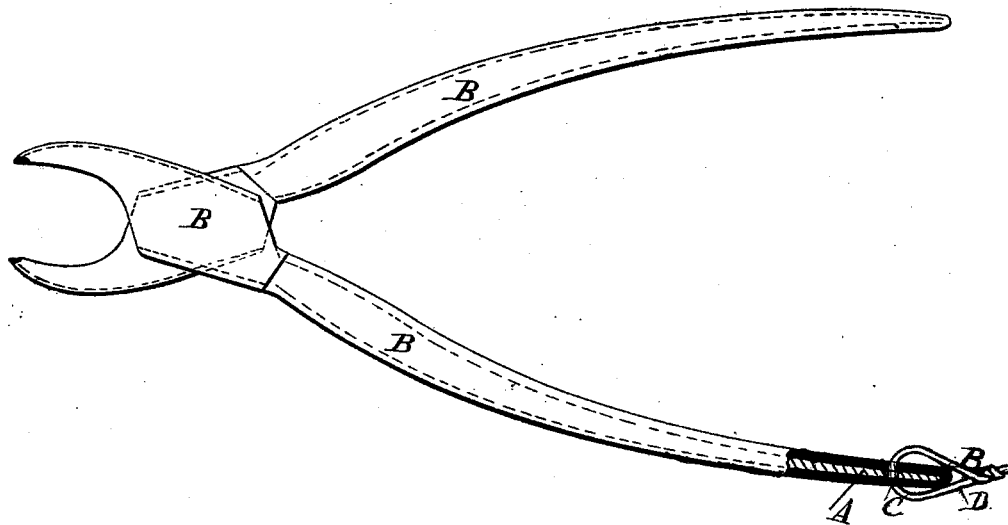


A. COBB.  
Dental-Forceps.

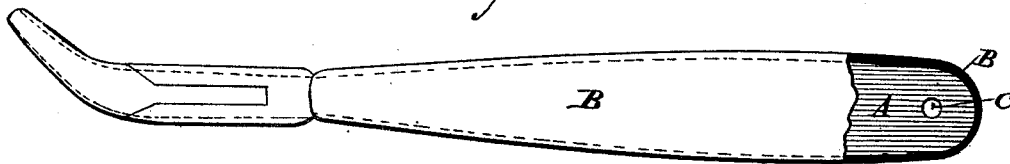
No. 214,104.

Patented April 8, 1879.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Adolphus Schuhl.*  
*C. S. S. S. S.*

INVENTOR:

*A. Cobb*  
BY *Mumford*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

AMASA COBB, OF BELOIT, OHIO.

## IMPROVEMENT IN DENTAL FORCEPS.

Specification forming part of Letters Patent No. **214,104**, dated April 8, 1879; application filed January 16, 1879.

*To all whom it may concern:*

Be it known that I, AMASA COBB, of Beloit, in the county of Mahoning and State of Ohio, have invented a new and useful Improvement in Dentists' Forceps, of which the following is a specification.

Figure 1 is a front view of the forceps opened. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to devise a means by which teeth can be extracted without pain, without danger to the patient, and without the deleterious effects which often result from the operation.

My invention consists of thoroughly coating the forceps, with the exception of the inside of the jaws, with some non-conducting substance, such as rubber, gutta-percha, asphaltum, or any other suitable non-conductor.

When applying electricity to the teeth through the medium of the ordinary forceps, the gums, lips, and tongue of the patient are very unpleasantly affected by the current given off from those parts of the forceps in contact with them, and serious effects, indeed, sometimes are thereby produced. All this inconvenience and trouble is obviated by my plan of covering the forceps at every possible point of contact, excepting the inside of the jaws, with a non-conducting substance.

In the drawings, A is the metallic portion of the forceps contained within the dotted lines, and B the non-conducting covering. At C is a hole made through the handle for the attachment of a wire, D, from a galvanic battery.

By clamping a tooth with the uncoated inside faces of the jaws, and causing the electric current to pass through the attached wire, the sensation of the nerve will be destroyed, and the tooth may be extracted almost painlessly.

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

1. Dentists' forceps entirely covered with some non-conducting substance, substantially as shown and described, and for the purpose set forth.

2. The metallic forceps A, covered with the non-conducting substance B, and provided with the hole C in the handle, in combination with the battery-wire D, substantially as and for the purpose set forth.

AMASA COBB.

Witnesses:

J. S. BLACKBURN,  
GEO. SNOOLE.