

G. H. Hurd,
Dental Saw Brace.

No. 86,922.

Patented Feb. 16, 1869.

Fig. 1.

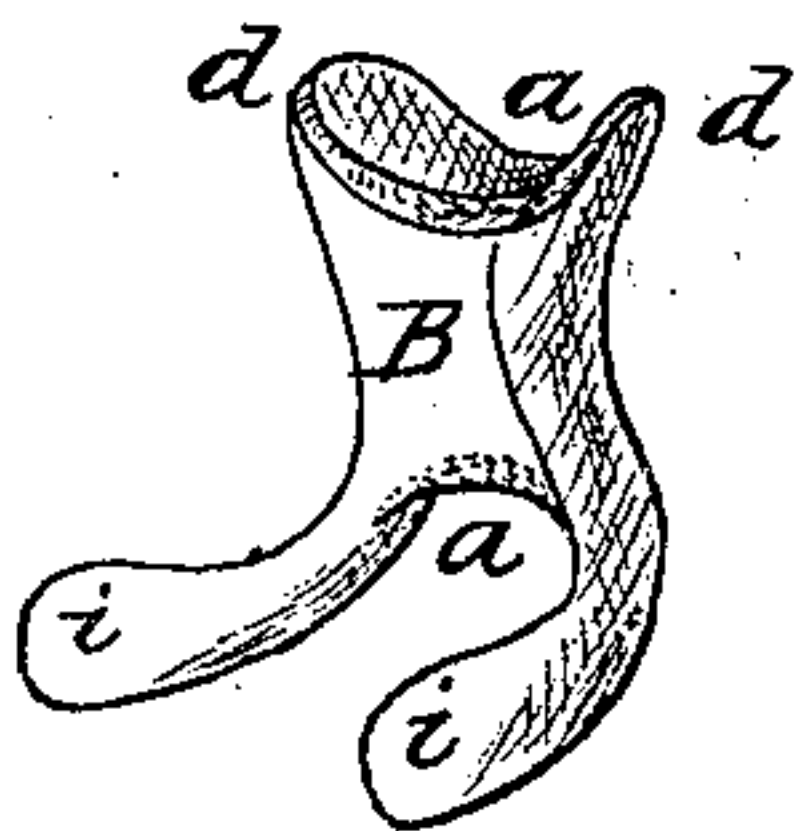
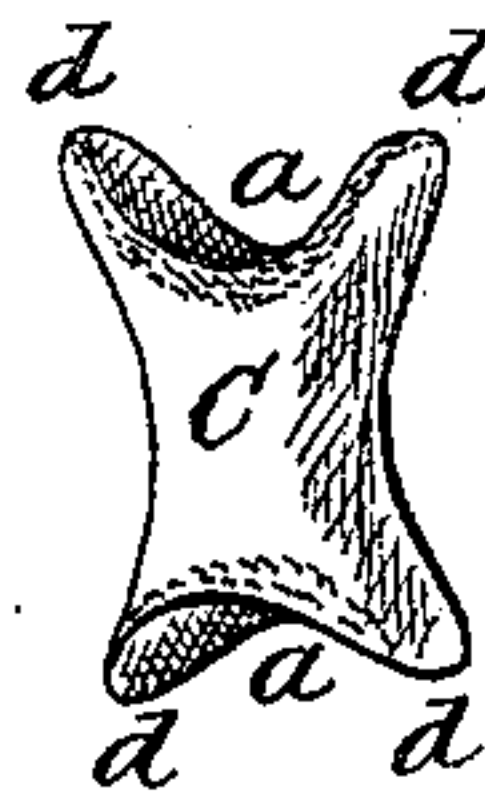


Fig. 2.



Witnesses.

James A. Cameron.
Henry Hurd.

Inventor.

George H. Hurd.



GEORGE HILL HURD, OF MEMPHIS, TENNESSEE.

Letters Patent No. 86,922, dated February 16, 1869.

IMPROVED DENTAL JAW-BRACE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE HILL HURD, of the city of Memphis, county of Shelby, and State of Tennessee, have invented a new and useful Dental Jaw-Brace; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

Figure I is a perspective view, showing the flanges *ii*.

Figure II is a perspective view, without the flanges *ii*.

Figure A, a view of the dental jaw-brace in position in the mouth.

B and C, body of jaw-brace, made of hard rubber.

a a a a, flexible rubber cushions.

d d d d, short flanges, made of hard and soft rubber combined.

The nature of this invention consists in a new and improved constructed jaw-brace for use in the extracting or filling of teeth. It has been, up to the present time, the universal practice to use a common cork, if anything. But as it is too soft, and not adapted in shape, it is often mashed down, especially while the patient is under any anæsthetic, making it then impracticable to operate on the patient; and the cork is also liable to get into the patient's throat. Another objection to the cork is, it absorbs the blood and saliva of the mouth.

The object of my invention is to obviate these difficulties, and secure the jaws in the proper position at all times, and upon an entirely new principle, and making it easy for the teeth when biting hard. I also construct this brace out of materials that are impervious to the blood or acids of the mouth.

To enable others to make and use my invention, I will describe its construction and operation.

I make them in two forms, from hard and soft rubber.

That shown in Fig. I, I provide with two small flanges *d d*, at the upper end, to receive the teeth of the upper jaw on cushions *a a*. Upon the other end, I form two flanges *ii*, of hard rubber, which serve to keep

the tongue and cheek away while filling lower teeth, thus preventing the saliva from being pressed up into the cavity while being filled, which destroys the adhesiveness of the gold.

The other form, as shown in Fig. II, I provide with small flanges *d d d d*, at each end. The object of these flanges is to obviate the danger arising from displacement so liable to happen. Also, the soft-rubber cushions *a a*, to receive the upper and lower jaw-teeth, giving an easy yielding surface to the bite of the teeth. This soft rubber extends up into the flanges *d d d d*, which, in vulcanizing, unites with the body of the braces B and C, forming a soft and yielding surface for the teeth and jaws.

The manner of using my invention: Place the jaw-brace between the jaws, letting the teeth rest upon the cushions *a a a a*, with the flanges *d d d d* embracing the buccal and lingual surface of the teeth.

For all operations upon the mouth, this brace possesses superior advantages, furnishing a safe cushion for the bite of the teeth, and the flanges secure it in place, obviating the danger of swallowing or choking, as occurs where the cork is used.

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

1. The dental jaw-brace, as shown in Figs. I and II, for use in the extracting and filling of teeth; B and C showing body of brace made of hard rubber, the cushions *a a a a* made of soft rubber, which extend up into the flanges *d d d d d d* and *ii*, when these several parts are constructed and specified as above described.

2. Any dental jaw-brace, regarding shape, when these materials are used; B and C, the body of brace, made of hard rubber; *a a*, the soft-rubber cushions, and then vulcanized, when these several parts are constructed for the purposes as are herein set forth.

GEORGE HILL HURD.

Witnesses:

JAMES A. CAMERON,
HENRY HURD.