

R. V. Jenks,

Dental Mold.

No. 98066.

Patented Dec. 21. 1869.

Fig. 1.

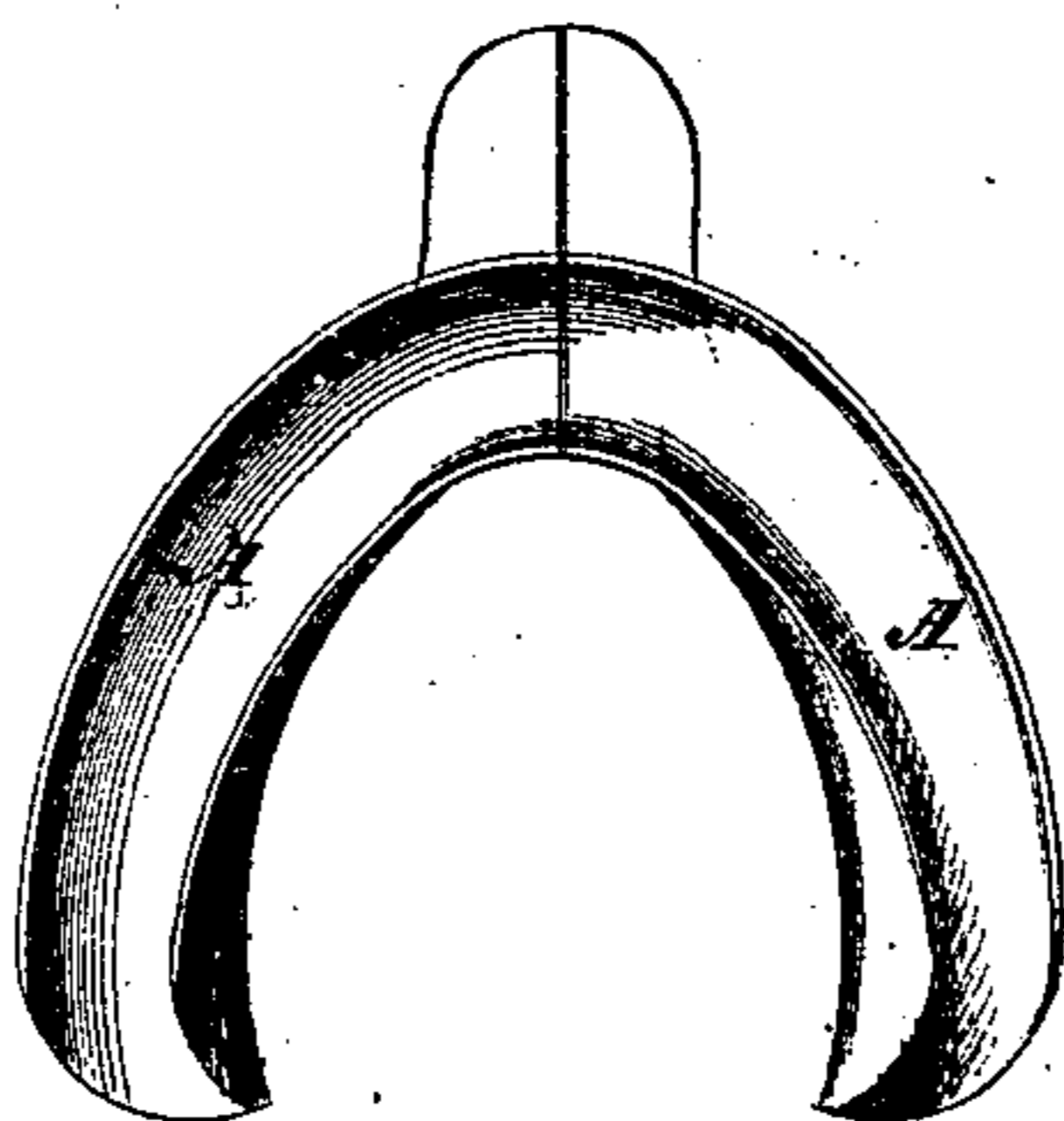
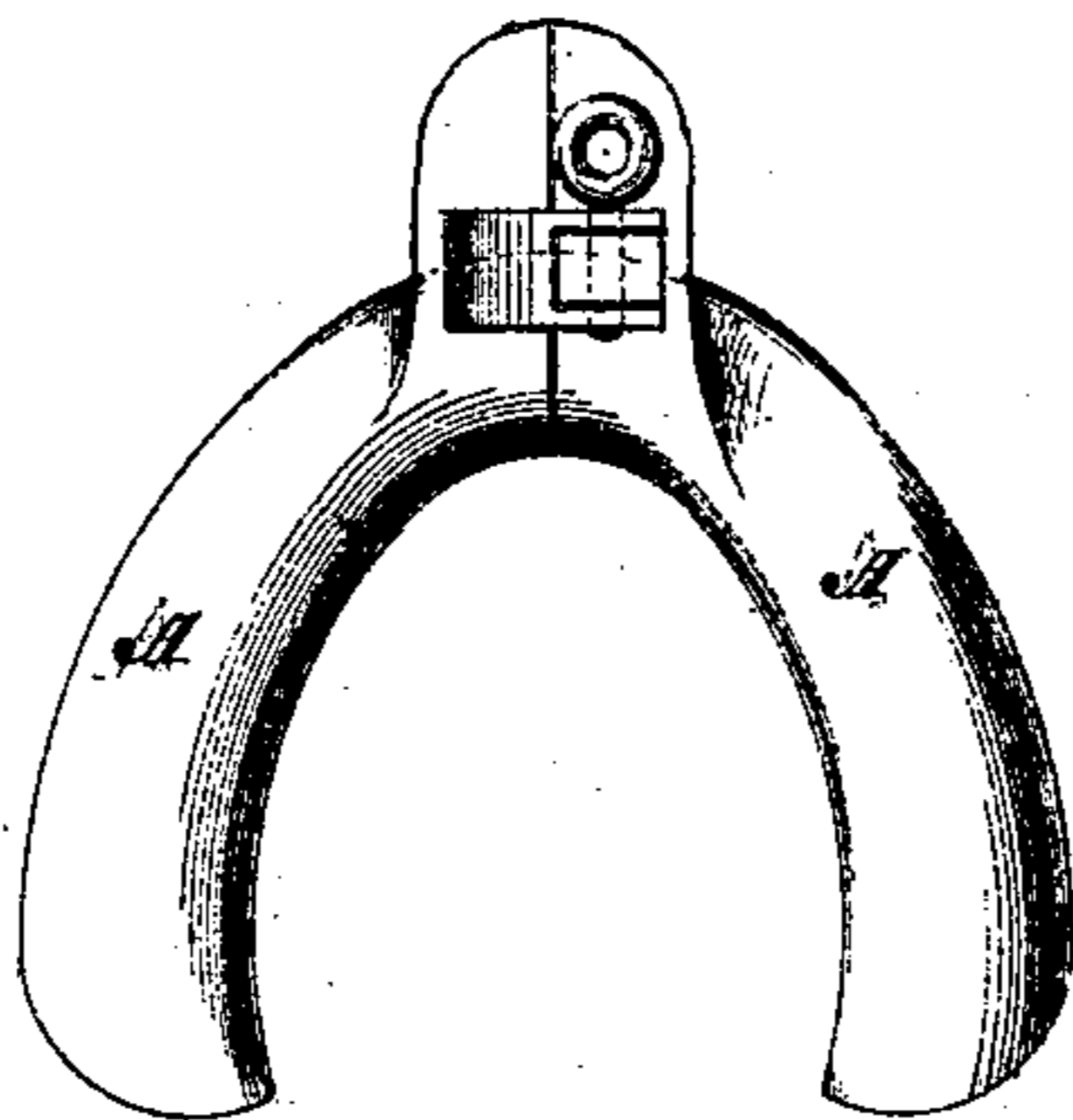


Fig. 2.



Witnesses:

Gustave Dietrich
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United States Patent Office.

ROBERT V. JENKS, OF PATERSON, NEW JERSEY.

Letters Patent No. 98.066, dated December 21, 1869.

IMPROVED DENTAL IMPRESSION-CUP.

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, ROBERT V. JENKS, of Paterson, in the county of Passaic, and State of New Jersey, have invented a new and useful Improvement in Dental Impression-Cup for lower jaw; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an under-side view of my improved impression-cup.

Figure 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved impression-cup, for use in taking a cast of the lower jaw, to form a model of said jaw to fit the plate upon, which shall be so constructed as to enable the dentist to take a more perfect cast than is possible with impression-cups constructed in the ordinary manner; and

It consists in making the cup in two parts, as hereinafter more fully described.

A is the cup, which is made in two parts, as shown in figs. 1 and 2. This enables the inner flanges or sides of the cup, at its ends, to be turned in more than is possible when the cup is made in one piece, in the ordinary manner, so as to force the plastic material with which the cast is taken, around and beneath the processes upon the inner side of the rear parts of the jaws, thus making the model of the jaw a more perfect representation than is possible with cups made in the ordinary manner.

This construction enables the cup to be removed from the cast after the model has been moulded, without the liability of breaking the said model in removing the cup from the cast, which frequently happens with cups made in the ordinary manner.

The outer ends of the parts of the cup A should be provided with lugs and a clamping-screw, or with other means that will securely hold the said parts in

place, and allow them to be conveniently detached when desired.

In using the cup it is first inserted in the patient's mouth, to see that it will properly receive and fit upon the jaw. If it does not fit, its sides or flanges should be bent into proper shape, or another cast should be taken. The cup A is then filled with the material with which the cast is to be taken, and after said material has partially set, so that it will not drop out, and while it is still plastic, the cup is adjusted and pressed down upon the jaw until the patient feels the edge of the cup striking against his cheek.

The cast is then removed, and when fully set is coated with shellac-varnish or other suitable material, and the model is moulded.

When the material that forms the model is set, the parts of the cup are detached and removed, one at a time, from the cast, which can thus be done without any danger of breaking or injuring the model.

The cast is then cut, broken, or chipped away down to the stain of the varnish, after which the rest of the cast is carefully removed, leaving a perfect model of the jaw.

A plate made upon a model thus formed will not rock in the mouth, and will enable the wearer to bite apples, crackers, or other hard substances with his front teeth, without the said plates moving or rocking in his mouth, from the fact that the peculiar construction of my improved cup enables an exact impression to be taken of the rear inner processes of the jaw, so that the plate may be securely held in place by said processes.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

An improved dental impression-cup, for the lower jaw, made in two parts, substantially in the manner herein shown and described, and for the purpose set forth.

Witnesses:

ROBERT V. JENKS.

H. C. HUDSON,

W. ALLAN MILLER.