

(No Model.)

L. F. SEEGER, Jr.
DENTAL MOLD.

No. 432,909.

Patented July 22, 1890.

FIG. 1.

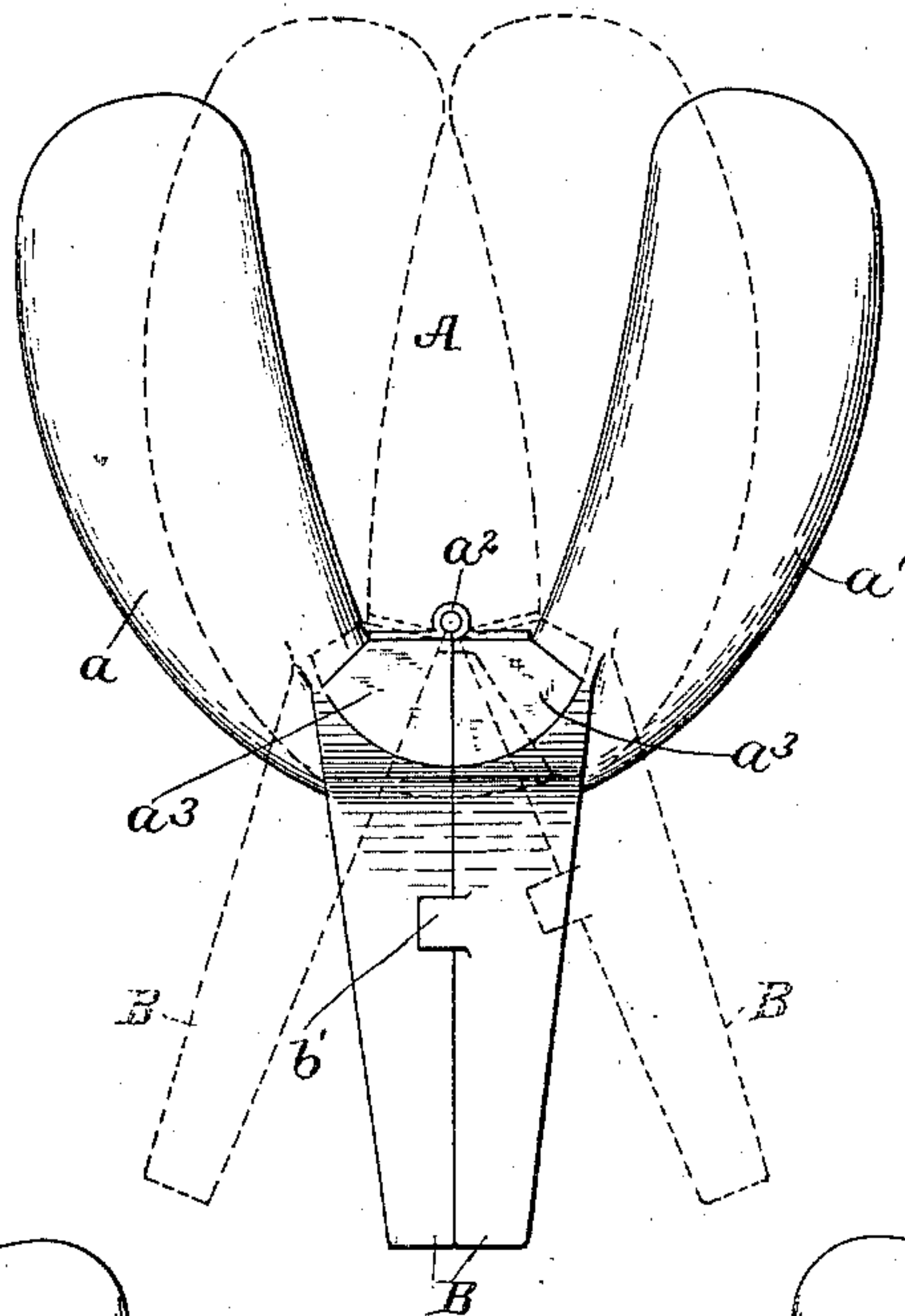


FIG. 2.

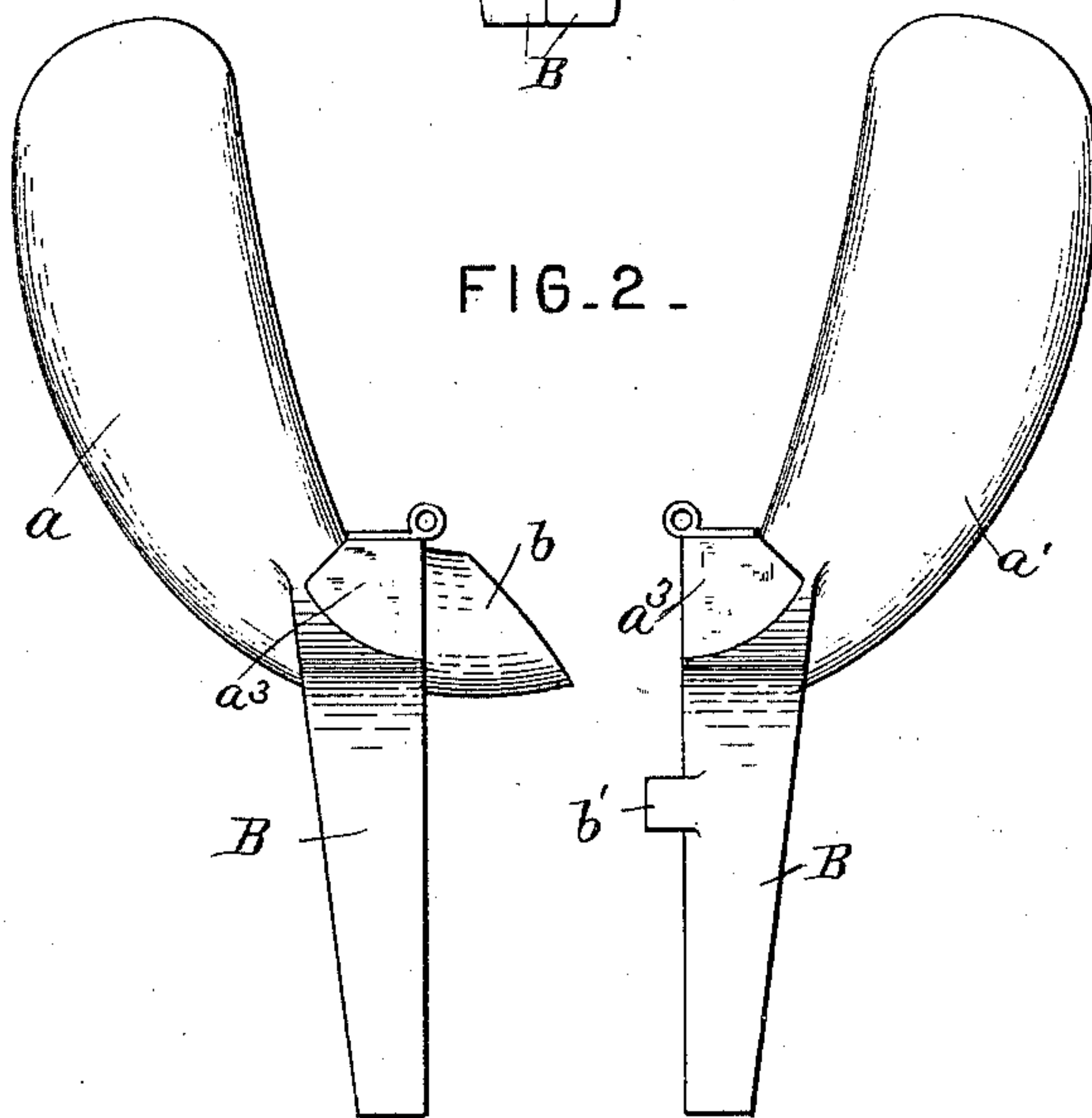
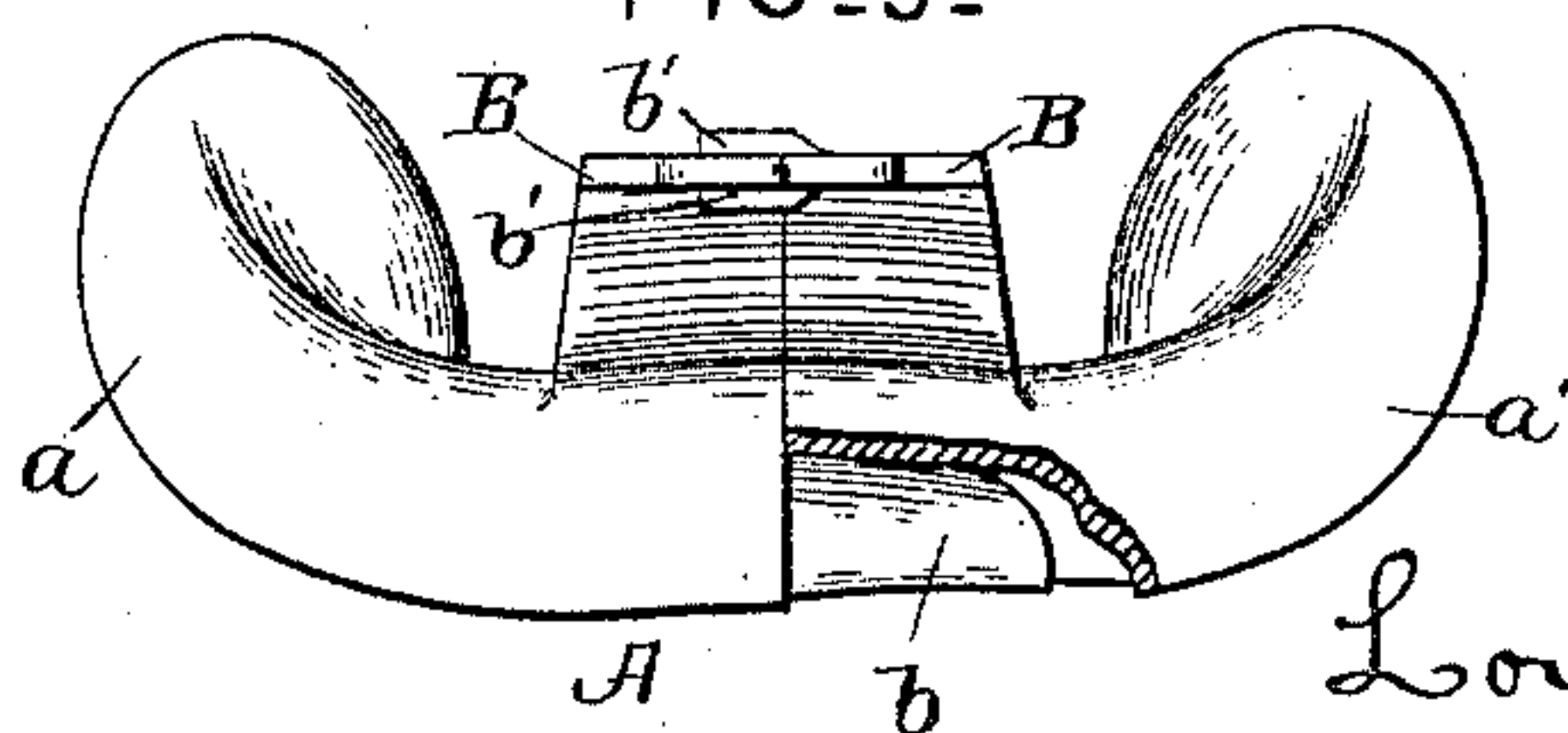


FIG. 3.



Attest:
A. M. Bright.
Notary Public.

Inventor:
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By Raine & Ladd,
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UNITED STATES PATENT OFFICE.

LOUIS F. SEEGER, JR., OF AHNAPÉE, WISCONSIN.

DENTAL MOLD.

SPECIFICATION forming part of Letters Patent No. 432,909, dated July 22, 1890.

Application filed January 16, 1890. Serial No. 337,160½. (No model.)

To all whom it may concern:

Be it known that I, LOUIS F. SEEGER, JR., a citizen of the United States, residing at Ahna-
pée, in the county of Kewaunee and State of
5 Wisconsin, have invented certain new and
useful Improvements in Dental Molds; and I
do hereby declare the following to be a full,
clear, and exact description of the invention,
such as will enable others skilled in the art
10 to which it appertains to make and use the
same, reference being had to the accompanying
drawings, and to letters of reference marked
thereon, which form a part of this specifica-
tion.

15 This invention pertains to certain new and
useful improvements in dental molds, having
for its object the production of an improved
two-part or sectional mold capable of contrac-
tion at its wider end, so as to be easily in-
20 serted in a patient's mouth in securing a cast-
ing or impression of the jaw.

The invention comprises a mold composed
of two sections or trays hinged or pivotally
connected together at their meeting ends, so
25 as to move laterally, and provided with rear-
wardly-extending arms, by which said parts
or sections can be contracted at their wider
ends for insertion in a patient's mouth and
subsequently opened or expanded, so as to
30 secure an impression on the plastic compound
held thereby, said sections having telescoped
ends, all substantially as hereinafter fully
set forth, and particularly pointed out in the
claims.

35 In the accompanying drawings, Figure 1 is
a plan view of my improved mold, showing
the sections in dotted lines in their con-
tracted position. Fig. 2 is a similar view with
the sections separated. Fig. 3 is a rear end
40 view, parts being shown in section.

Referring to the drawings, A designates
the mold, composed of two sections or trays
 a a' , having concaved under surfaces for
holding plaster-of-paris or other plastic com-
45 pound. These sections are united together
at their inner ends by a hinge a^2 or other
pivotal connection secured to short lugs a^3 .
From section a projects a curved flange b ,
telescoping the concaved surface of the other

section a' , so as to close the opening formed 50
between their meeting ends when the latter
are contracted, as shown in dotted lines, Fig. 1.

B B are two handles rigidly secured to the
sections a a' , so as to operate the same, one
of said handles being provided with upper 55
and lower parallel lugs b' , between which the
other handle is designed to fit, said lugs serv-
ing to hold and guide the handles.

In practice the mold is first contracted the
desired extent at its outer end by means of 60
the handle B, and the plaster-of-paris or other
plastic compound is then inserted in the con-
caved sections or trays, after which the mold
is inserted in the patient's mouth and the in-
ner ends of said sections extended by the 65
handle thereof. An impression is then se-
cured of the jaw of the patient's mouth, when
the mold can easily be removed or slid out
without causing the least inconvenience to
the patient and avoiding abrasion of the lips 70
or corners of the mouth.

The advantages of my invention will be
apparent to those skilled in the art, and it
will be especially observed that the injury or
hurting of a patient's mouth in the insertion 75
of a mold is entirely obviated, and that an
impression can be readily and easily secured
without the delay or annoyance usually at-
tendant thereon.

I claim as my invention—

1. A dental mold composed of two concaved 80
sections or trays pivotally connected together
and having overlapping or telescoping inner
ends, substantially as set forth.

2. A dental mold composed of two pivoted 85
sections or trays having concaved under sur-
faces, one of said sections or trays having a
curved flange b independent of the pivot
projecting from its inner end and telescoping
the opposite end of the other section or tray, 90
substantially as set forth.

3. A dental mold composed of two pivoted
sections or trays pivotally connected together
and the handles projecting from the meeting
ends of said sections or trays, one of said 95
handles having upper and lower parallel lugs
 b' projecting from its inner edge independ-
ent of the pivot, substantially as set forth.

4. As an improved article of manufacture, a dental mold consisting of two pivoted sections or trays having concaved under surfaces, a curved flange projecting from the inner end of one of said sections or trays, the handles, and the parallel lugs *b'* projecting from one of said handles independent of the pivot, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

LOUIS F. SEEGER, JR.

Witnesses:

GEO. H. SNYDER,
C. G. BOALT.