

A. MARCOUX.
IMPRESSION CUP.
APPLICATION FILED NOV. 16, 1915.

1,185,518.

Patented May 30, 1916.

Fig. 1.

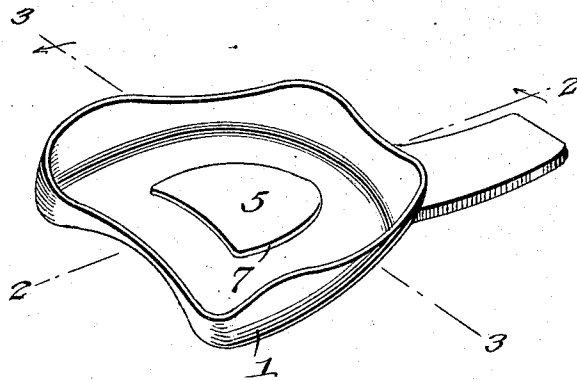


Fig. 2.

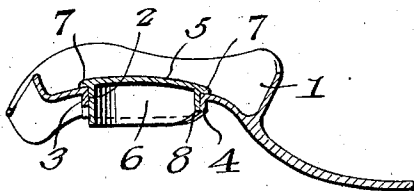


Fig. 3.

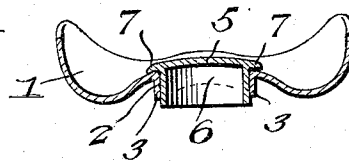
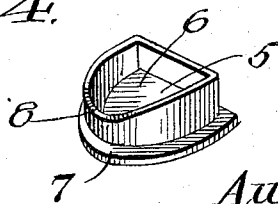


Fig. 4.



Inventor

Augustin Marcoux

By

Victor J. Evans

Attorney

Witnesses

Hugh H. Ott
Frank Hough

UNITED STATES PATENT OFFICE.

AUGUSTIN MARCOUX, OF LEWISTON, MAINE.

IMPRESSION-CUP.

1,185,518.

Specification of Letters Patent.

Patented May 30, 1916.

Application filed November 16, 1915. Serial No. 61,834.

To all whom it may concern:

Be it known that I, AUGUSTIN MARCOUX, a citizen of the United States, residing at Lewiston, in the county of Androscoggin and State of Maine, have invented new and useful Improvements in Impression-Cups, of which the following is a specification.

This invention relates to an impression cup used by dentists for obtaining an impression of the teeth in the upper jaw and the roof of the mouth.

The primary object of the invention is to provide a cup of the class described provided with a movable portion arranged to underlie the modeling compound with which the cup is filled, so that when the cup is inserted in the patient's mouth the dentist may move the movable portion in an upward direction in such a manner as to cause the modeling compound overlying the movable portion to be correspondingly moved in an upward direction and into contact with all portions of the roof of the patient's mouth.

A further object of the invention is to provide the movable portion of the impression cup with a finger pocket in which the fore finger of the dentist may be inserted to communicate upward movement to the movable portion of the cup when an impression is being taken.

An object of the invention is to provide the impression cup with a depending flange which serves to guide the movable portion of the cup when the same is being moved in an upward direction, thus insuring the modeling composition with which the cup is filled being firmly pressed against the roof of the patient's mouth.

The preferred form of the invention has been illustrated in the accompanying drawings, although no restriction is necessarily made to the precise details of construction herein shown, as changes, alterations and modifications within the scope of the appended claims may be resorted to when desired.

Like characters of reference denote corresponding parts throughout the several views in the drawings, in which—

Figure 1 is a perspective view of an impression cup constructed in accordance with the invention. Fig. 2 is a longitudinal sectional view on the line 2—2 of Fig. 1. Fig. 3 is a transverse sectional view on the line 3—3 of Fig. 1. Fig. 4 is a detail perspective

view of the movable portion of the impression cup showing the same inverted.

Referring now to the drawings in detail the numeral 1 designates an impression cup of the type used in taking impressions of the upper portion of the mouth and which is provided in the bottom thereof, with a centrally disposed opening 2. The side edges of the opening 2 corresponds approximately in shape to the contour of the side walls of the impression cup and have depending therefrom a flange 3, extending around the opening 2 on the under side of the impression cup, said flange being provided with a recess 4 for a purpose which will be hereinafter described. The bottom edge of the flange 3 adjacent the forward end of the impression cup is curved upwardly so that the bottom edge of this portion of the flange corresponds in curvature to the curvature of the bottom of the impression cup which overlies the same.

The movable portion of the impression cup comprises a cover 5 for the opening 2, the cover being similar in shape to the opening 2 in the bottom of the impression cup and provided with a finger receiving pocket 6 extending below the bottom of the impression cup and opening out through the bottom of the cover.

The cover 5 is provided with a continuous retaining flange 7 arranged about the upper side edges of the cover in such a manner as to contact with the upper surface of the bottom of the impression cup when the cover is disposed in the opening 2, and in this manner retain the cover in the guide way provided by the flange 3. The portion of the cover which is disposed adjacent the recess 4 in the flange 3 is also provided with a recess 8, said recess registering with the recess 4 to facilitate the insertion of the finger within the finger pocket when the device is in use. The portion of the cover which contacts with the portion of the flange 3 which is provided with the curved bottom edge is of greater height than the said portion of the flange 3, so that if for any reason the cover should stick in the guide way pressure upon the above mentioned portion of the cover would loosen the cover so that it could be easily removed from the guide way.

From the foregoing description of the device it will be seen that when the cover

or movable portion of the impression cup is in the opening 2 with the retaining flange 7 in contact with the upper surface of the bottom of the impression cup the said cup
5 may be filled with suitable modeling compound before taking an impression. The impression cup is now ready for insertion in the patient's mouth and the dentist now grasps the handle of the cup between his
10 thumb and forefinger with the end of the forefinger inserted in the finger receiving pocket 6, so that when the cup is inserted in the patient's mouth pressure in an upward direction by means of the forefinger
15 will raise the cover 5 and cause the modeling composition overlying the same to be forced firmly into contact with the roof of the patient's mouth thus securing a satisfactory impression.

20 Having thus described the invention what is claimed as new is:—

1. An impression cup having an opening in the bottom thereof, a flange surrounding said opening to provide a guide way, and
25 a cover for said opening movably mounted in the guide way, said cover having a finger receiving pocket.

2. An impression cup having an opening in the bottom thereof corresponding approximately in shape to the side walls of the cup, a flange depending from the under
30 side of said cup and surrounding said opening

to provide a guide way, said flange having a recess therein, a cover for said opening having a portion thereof snugly fitting in
35 said guide way and providing a finger receiving pocket, said portion of the cover having a recess registering with the recess in the flange, and a continuous flange on the cover arranged to extend beyond the guide
40 way.

3. An impression cup having an opening in the bottom thereof, and a cover having a portion thereof providing a finger receiving pocket below said opening and opening out
45 through the under side of said cover.

4. An impression cup having an opening in the bottom thereof, a flange surrounding said opening to provide a guideway, said flange having a recess, a cover having a portion thereof providing a finger receiving
50 pocket and loosely mounted in the guideway, and an end wall upon said portion of the cover provided with a recess registering with the recess in the flange and co-acting
55 therewith to facilitate the insertion of the finger within said pocket.

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

AUGUSTIN MARCOUX.

Witnesses:

STEPHEN J. KELLEY,
EDWARD A. LACROIX.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."