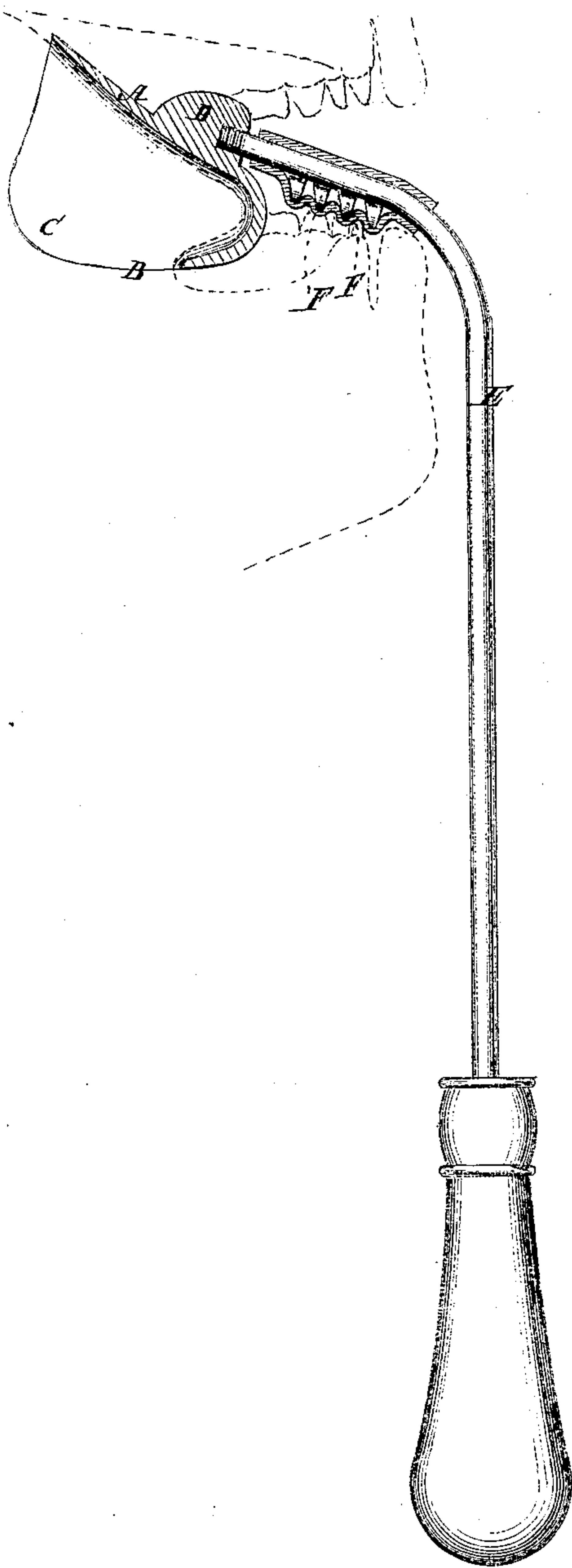


F. M. Osborn,

Tongue Holder.

No. 104,874.

Patented June 28, 1870.



Witnesses:

L. J. Mabie
Alex. F. Roberts

Inventor:

F. M. Osborn

PER

Wm. L. Osborn
Attorneys.

United States Patent Office.

FRANCIS M. OSBORN, OF PORT CHESTER, NEW YORK.

Letters Patent No. 104,874, dated June 28, 1870.

IMPROVEMENT IN TONGUE-HOLDER FOR DENTISTS.

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, FRANCIS M. OSBORN, of Port Chester, in the county of Westchester and State of New York, have invented a new and improved Tongue-Holder for Dentists' Use; 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 drawing forming part of this specification.

This invention relates to improvements in tongue-holders, such as used by dentists to prevent the tongue of the patient from interfering with the filling of the teeth or other operation thereon, and consists in a cone or bell-shaped cup, of India rubber or other substance, with a deep wedge-shaped slot in one side, which is mounted on a handle, and adapted for placing on the tongue, forcing it back, and holding it as required.

It also consists in the application to the handle, of projections adapted to engage with the front teeth of the lower jaw, and hold the cup against the efforts of the tongue to thrust it out of the mouth; and

It also consists in the combination, with these projections, of an India-rubber or other cushion, to prevent them from hurting the teeth or gums.

The drawing represents a sectional elevation of my improved tongue-holder in use.

A is the cup, made of conical or bell-shape, with a deep wedge-shaped slot in the under side, at B, to make room for the roots of the tongue.

In making this slot, care is taken that it be not too wide at the base of the cup, for it is essential that the parts C fit under the tongue sufficiently to prevent the

cup from being forced up, so that the tongue will escape through the slot.

This cup is provided, at the side opposite the slot, and near the small end, with a lug, D, for the attachment of the handle E, which is so bent that, when in use, the end to be taken in the hand falls down near the breast of the patient, where it can be conveniently held by him.

F represents the projections attached to the under side of the handle, for engaging with the front teeth, to insure the holding of the tongue back against the involuntary efforts to thrust it out.

G is a short flexible India-rubber tube stretched over the handle and these projections, to protect the teeth from injury, but any other suitable cushion may be used.

Having thus described my invention,

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

1. An improved tongue-holder, having the deep wedge-shaped slot B on the under side, to admit the roots of the tongue, and the parts C, to fit under the said tongue, to prevent the cup from being forced up, all as set forth.

2. The combination, with the tongue-holding cup or the handle, of the projections F, substantially as specified.

3. The combination, with the projections, of an India-rubber or other cushion, substantially as specified.

The above specification of my invention signed by me this 29th day of March, 1870.

Witnesses: FRANCIS M. OSBORN.

GEO. W. MABEE,
ALEX. F. ROBERTS.