

S. S. WHETSTONE.
TOOTH FACING ATTACHING DEVICE.
APPLICATION FILED JUNE 7, 1911.

1,014,428.

Patented Jan. 9, 1912.

Fig. 1

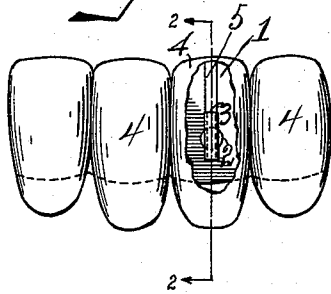


Fig. 2

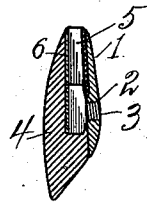


Fig. 3

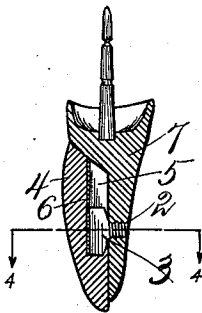
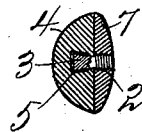


Fig. 4



WITNESSES.
C. E. Wally.
Ernest Kibertz.

INVENTOR
S. S. Whetstone
J. M. Wall, Atty.

UNITED STATES PATENT OFFICE.

SYLVESTER S. WHETSTONE, OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO FREDERICK A. KOTTS, OF TOLEDO, OHIO.

TOOTH-FACING-ATTACHING DEVICE.

1,014,428.

Specification of Letters Patent.

Patented Jan. 9, 1912.

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To all whom it may concern:

Be it known that I, SYLVESTER S. WHETSTONE, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Tooth-Facing-Attaching Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to and its object is to provide a convenient, simple and efficient means for quickly and accurately securing to a metal backing,—such as a metal bridge, cap or crown,—a tooth-front or facing composed of porcelain or the like.

To this end my invention consists of the devices and arrangement of parts herein-after described, and shown and illustrated in the accompanying drawings, in which,—

Figure 1 is a front elevation of a bridge having porcelain facings secured thereto according to my method, one of the facings being broken away to disclose the fastening device; Fig. 2, a vertical section of the same on line 2—2, Fig. 1; Fig. 3, a vertical sectional elevation of a facing applied to a metal crown by means of my device, and Fig. 4, a transverse sectional plan of the same on line 4—4, Fig. 3.

Like parts are indicated by corresponding numerals throughout the drawings.

In the drawings, 1 is a bridge or like part of metal or other suitable material having therethrough a threaded aperture 2.

3 is a stud, the threaded shank of which corresponds to and fits accurately the threaded opening 2. The head of the stud is elongated and—in transverse section—is preferably of dove-tail outline, although other cross-sectional contours—curved or angular—may be employed.

4 is a front or facing, in simulation of the front of a tooth, and composed of porcelain or other suitable material. In the back of this facing is a slot 5 leading from the gingival end toward the incisal end and of such area and form in cross-section as to exactly receive—endwise—the head of the stud 3. The elongated cavity or slot may, if desired, be lined with suitable metal, as at 6.

In Figs. 3 and 4, the metal part, for further example, consists of a crown 7. For a bridge or crown may be substituted,—as will now be apparent,—any metal part designed as a backing and support for the porcelain facing.

The metal backing having been suitably bored and threaded at the proper point, the threaded shank of the stud 3 is screwed tightly into the threaded hole in the backing with the elongated head of the stud vertically disposed in the direction of its length. The porcelain front being formed to fit the metal back and being slotted as described, the surfaces of the parts which are designed to meet are coated with a suitable cement, and the end of the slot is slipped over and upon the head of the stud until the facing is seated in the proper position. The work is now completed.

Having described my invention, what I claim and desire to secure by Letters Patent is,—

In a device of the described character, a metal backing having a threaded aperture, a threaded stud engaged with said threaded aperture and having a forwardly projecting head, and a facing of suitable material having in its rear surface a slot corresponding in cross-section with and adapted to engage the head of the stud.

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

SYLVESTER S. WHETSTONE.

Witnesses:

WM. C. BEMIS,
LEONE KIBURTZ.