

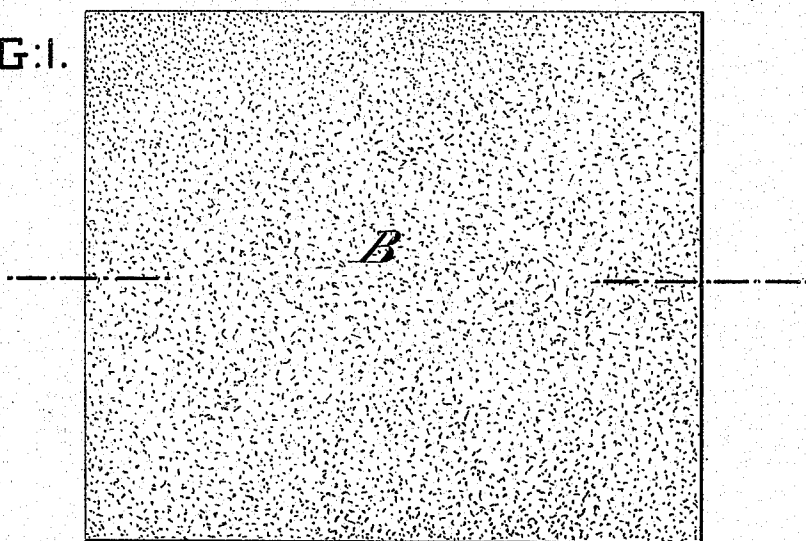
(No Model.)

E. DE TREY.
DENTAL GOLD FOIL.

No. 550,808.

Patented Dec. 3, 1895.

FIG:1.



A

FIG:2.

B



B

b

FIG:3.

b

A

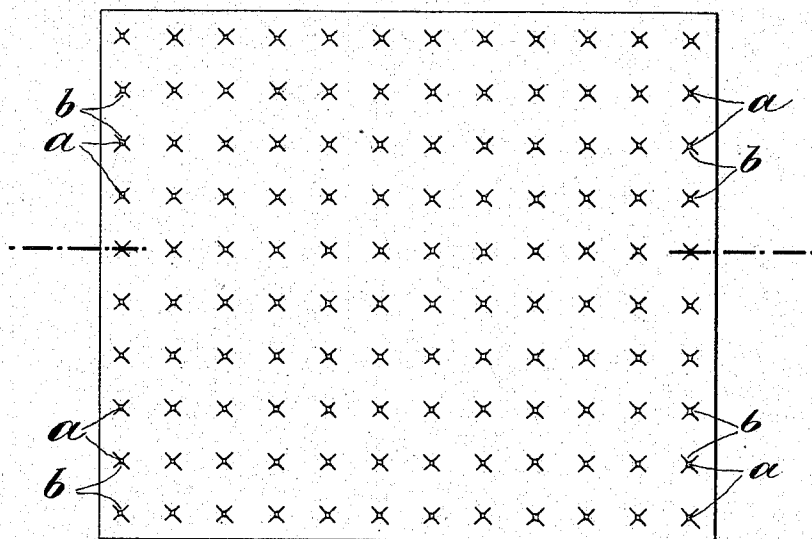
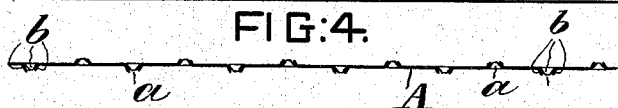


FIG:4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EMILE DE TREY, OF BASLE, SWITZERLAND.

DENTAL GOLD-FOIL.

SPECIFICATION forming part of Letters Patent No. 550,808, dated December 3, 1895.

Application filed March 11, 1895. Serial No. 541,241. (No specimens.)

To all whom it may concern:

Be it known that I, EMILE DE TREY, a citizen of Switzerland, and a resident of Basle, Switzerland, have invented an Improved
5 Manufacture of Gold-Foil for use in Dentistry, of which the following is a clear and complete specification.

A very desirable form of gold used in dentistry has been that of a thin beaten sheet of
10 gold covered on one or both of its faces by matte or dead gold—that is, gold in a crystalline or spongy form. Such matte gold has hitherto been united to the gold-foil by heat.

The object of my invention has been to
15 provide compound gold-foil of the general character above described, whereby the different kinds of gold may be united together by mechanical means solely and without having recourse to heat and can be united at a
20 moment's notice with the greatest ease.

In the accompanying drawings, Figures 1 and 2 show, by way of example, a plan and a section, respectively, of a sheet of gold-foil made according to my invention; and Figs.
25 3 and 4 show in plan and sectional elevation, respectively, the perforated rough gold sheet adapted for causing the dead or matte gold to adhere thereto.

As shown in the figures, the gold sheet A

is provided with a series of perforations *a* 30 stamped out of the same, so that the foil is pressed outward to form projections *b* around the said perforations on the two faces of the gold-foil alternately. This gold sheet A is then covered with a layer B of dead or matte
35 gold, applied in such a manner that the particles of the matte gold enter and pass through the perforations and are thus effectively held thereto.

It is obvious that if desired the projections 40 caused by the perforations may be on one face only of the sheet instead of on both faces alternately.

In some cases I may use tin-foil instead of gold-foil for the sheet A.

Having thus fully described my invention,
45 what I claim is—

Foil for dentists' use consisting of a perforated sheet of metal foil covered with an adherent mass of matte gold which fills the aper-
50 tures in the sheet.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

EMILE DE TREY.

Witnesses:

GEORGE GIFFORD,
AMAND RITTERY.