

UNITED STATES PATENT OFFICE.

BENJAMIN H. TEAGUE, OF AIKEN, AND HORACE PARKER, OF EDGEFIELD,
SOUTH CAROLINA.

IMPROVEMENT IN COMPOUNDS FOR DENTAL IMPRESSIONS.

Specification forming part of Letters Patent No. **152,815**, dated July 7, 1874; application filed
March 28, 1874.

To all whom it may concern:

Be it known that we, BENJAMIN H. TEAGUE, of Aiken, Aiken county, and HORACE PARKER, of Edgefield, Edgefield county, South Carolina, have invented a new and Improved Compound for Dental Impressions, of which the following is a specification:

The object of our invention is to furnish for dentists' use an improved compound for taking dental impressions, which is more advantageous than the plaster-of-paris hitherto in use, as it hardens quicker and may be removed sooner from the mouth of the patient, allowing also, on account of its friability, the breaking away of parts of the impression and their accurate replacing, so that a perfect cast of the mouth is obtained.

Our invention consists of a compound consisting of plaster-of-paris, gold-mine sand, sulphate of potash, and carmine-powder, or other coloring matter, mixed in the following proportions: Plaster-of-paris, three ounces; gold-mine sand, one ounce; sulphate of potash, ten grains; carmine-powder, fifteen grains.

The ingredients are thoroughly mixed in a mortar or other machine, and prepared for use with water until the mixture has the consistency of thick cream, which is then applied to the mouth in the usual manner. It takes clearly-defined impressions of the mouth, and is more

easily taken from a mouth having deep undercuts or large-crowned teeth, by breaking away the parts of the impressions and connecting them afterward for making the plaster-of-paris or metal dies or castings.

The sand is that which has been obtained from a gold mine, the rock and earth having been ground in the mills for the purpose of separating the gold from the rock.

The sand possesses the advantage over common sand of being ground, its particles being thus made smoother. This smoothness causes an impression to be more friable, and consequently more easily broken in the mouth, and, being ground and carefully sifted, gives more uniformity in the particles of the compound mass.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The compound for taking dental impressions, consisting of plaster-of-paris, gold-mine sand, sulphate of potash, and carmine, or other coloring matter, mixed in the proportions and applied substantially as specified.

BENJAMIN H. TEAGUE.
HORACE PARKER.

Witnesses:

G. W. CROFT,
T. G. CROFT.