

UNITED STATES PATENT OFFICE.

LEAN FIELDS HEAD, OF GERMANTOWN, PENNSYLVANIA.

PLASTIC COMPOUND.

SPECIFICATION forming part of Letters Patent No. 382,607, dated May 8, 1888.

Application filed July 18, 1887. Serial No. 244,637. (No specimens.)

To all whom it may concern:

Be it known that I, LEAN FIELDS HEAD, a citizen of the United States, residing at Germantown, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Plastic Compounds; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof as to enable others skilled in the art to make and use the said invention.

This invention relates to plastic compounds for modeling forms for molding and casting, and is specially applicable to the modeling of artificial dentures in forming the base-plate upon which to erect mineral teeth preliminary to the making of the mold in which the permanent vulcanized plates of such artificial dentures are formed.

The nature of this invention consists in the compound claimed.

The method of making this compound is as follows: One part of stearine, by weight, is fused at a gentle heat. Next, two parts of finely-pulverized talc are intimately mixed therewith by stirring, after which four parts of gum-shellac are stirred therein, so that all of the ingredients are intimately mixed and uniformly incorporated with each other, after which the

mass is rolled into sheets or pressed into forms for use.

The product has great tenacity and hardness; but with a temperature above that at which beeswax is plastic it can be bent and readily molded into form, and will retain such form at temperature required for the attaching of the mineral teeth with the soft wax, so that the plate-model preserves its form while the modeling of the forms for the gums and the attaching of the teeth proceeds.

Instead of stearine, paraffine or spermaceti may be substituted, and the proportions of ingredients may be varied, so as to modify the degree of stiffness and fusibility of the compound, adapting it thereby to use with other cements than wax.

Having described my invention and the mode of making and using the same, what I claim is—

The new plastic compound consisting of stearine with talc and gum-shellac, substantially as set forth and described.

LEAN FIELDS HEAD.

Witnesses:

J. DANIEL EBY,
ALEX. H. SIEGEL.