July 7, 1925. 1,544,828

E. FUCHS

MOLD FOR PLASTIC MATERIALS

Filed July 24, 1924

Fig. 1.

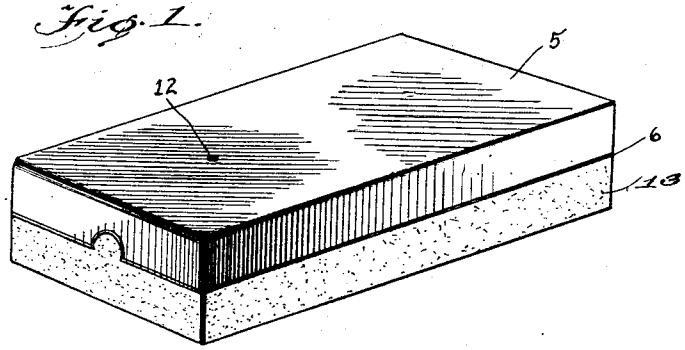


Fig. 2.

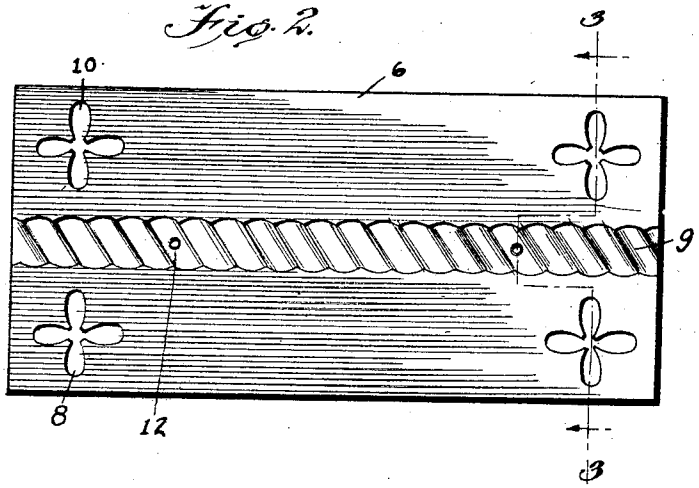
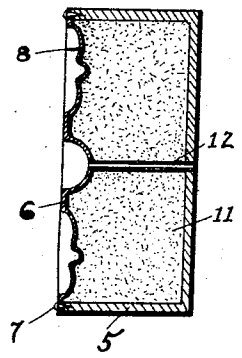


Fig. 3.



Inventor

Ernesto Fuchs,

By Ralph L. Burch

Attorney

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UNITED STATES PATENT OFFICE.

ERNESTO FUCHS, OF SAN FRANCISCO, CALIFORNIA.

MOLD FOR PLASTIC MATERIALS.

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To all whom it may concern:

Be it known that I, ERNESTO FUCHS, citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Molds for Plastic Materials, of which the following is a specification.

My invention relates to improvements in molds for plastic materials, such as terra-cotta, plaster Paris, artificial stone and concrete.

An object of the invention is to provide a mold which is simple and durable in construction, reliable and efficient in operation, and inexpensive to manufacture.

A further object of the invention is to provide a mold face plate having depressions of any desired ornamental design, secured to a suitable casing adapted to be filled with a soft slow hardening, light weight, composition, for re-inforcing the face plate.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing, forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1, is a perspective view of the mold plate applied to the plastic material,

Fig. 2, is a top plan view of the mold, and,

Fig. 3, is a cross section on line 3—3 of Fig. 2.

In the drawing, wherein for the purpose of illustration I have shown a preferred embodiment of my invention, the numeral 5 denotes a sheet metal casing or frame, open at the top and one end. The top is covered by a relative thin metal face plate 6, secured to the casing by suitable fasteners 7, as more clearly shown in Fig. 3. The face plate is preferably constructed of aluminum, copper, brass or zinc having depressions 8 of any desired ornamental design. In Fig. 2, a rope design 9 and rosette design 10 is shown, merely as illustrations. After the face plate is secured in place, the casing, is filled with a light slow hardening composition 11, through its open end. The composition consists of a mixture of hydrated sifted lime or other mineral powder, with or without oil and coke or pumice stone or other lighter than water minerals. When prepared the composition will be soft and may be forced to completely fill the casing to re-inforce the face plate. After being filled the open end of the casing is closed and the composition allowed to harden to produce a light substantial mold. To facilitate the removal of the mold from the molded plastic 13 vent tubes 12 are arranged at spaced intervals to extend through the molds from the face plate to the back, to admit air. The complete mold is then placed in the customary flask and serves to produce the bas-relief on the plastic form.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that certain changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. A mold of the character described comprising an open frame, a face plate covering said frame, and a composition of light mineral substances for re-inforcing said face plate.

2. A mold of the character described comprising an open frame, a face plate covering said frame, and a slow hardening composition for filling said frame to re-inforce said face plate.

3. A re-inforcing composition for mold face plates, consisting of a mixture of light minerals with a binding material.

4. A re-inforcing composition for mold face plates, consisting of a mixture of coke or other light minerals and hydrated sifted lime with or without oil.

5. A mold of the character described comprising an open frame, a face plate covering said frame having depressions of any ornamental design and a light slow hardening filler for reinforcing said face plate.

6. A mold of the character described comprising an open frame, a face plate covering said frame having depressions of any ornamental design and a composition for filling said frame to reinforce said face plate, consisting of a mixture of hydrated sifted lime, with or without oil and coke or other light mineral.

In testimony whereof I affix my signature.

ERNESTO FUCHS.