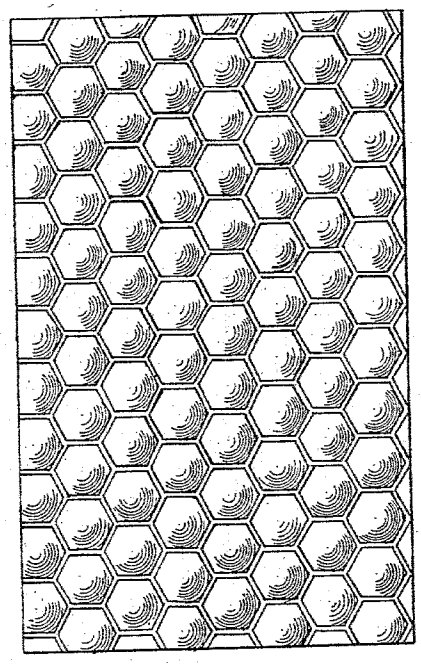
(No Model.)

V. FOUNTAIN.

METHOD OF ORNAMENTING SHEET METAL.

No. 356,757. Patented Feb. 1, 1887.



ATTEST:
E. C. Poulard
William W. Hicks

INVENTOR
Vincent Fountain by his Attys
A. Sidney Drane

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

VINCENT FOUNTAIN, OF WEST NEW BRIGHTON, NEW YORK.

METHOD OF ORNAMENTING SHEET METAL.

SPECIFICATION forming part of Letters Patent No. 356,757, dated February 1, 1887.

Application filed October 25, 1886. Serial No. 217,107. (No model.)

To all whom it may concern:

Be it known that I, VINCENT FOUNTAIN, of West New Brighton, Richmond county, New York, have invented a Method for Producing a New Ornamental Sheet or Plate, of which the following is a specification.

In the accompanying drawing the figure represents a view of a section of my improved sheet metal or plate.

Heretofore various articles made from hammered sheet metal, while possessing a highly artistic appearance, have been so expensive as to confine their sale to the wealthier class of the community.

My invention has for its object the production of a sheet or plate of tin or similar metal having the smooth and even appearance of one of the finer grades of metal and impressed or embossed in imitation of hammered metal, so that various articles may be made therefrom at a very small cost, to enable them to be sold at a comparatively low price.

I will describe the invention with reference to the production of imitation hammered brass.

In carrying out my invention I take a sheet of commercial tin or other like material and coat or cover it with a yielding or flexible lacquer, which will impart to it the metallic appearance of brass. In this step of the method care is taken to have the lacquer spread evenly and uniformly over the surface of the sheet, as the completeness of the imitation of the finished article depends largely upon this step. After the lacquer has set or hardened upon the plate, it is then impressed or embossed by any suitable means, and the sheet of tin will then present the finished appearance of a sheet of hammered brass. In embossing or impressing the lacquer sheet it will be found preferable to pass it between a pair of rollers, the surface of one of which has suitable projections or protuberances, while the other has a matrix-face to receive the same. Such rollers, while impressing the sheet, do not impair or destroy the lacquer thereon.

I do not limit myself to the employment of the rollers described, as any means that will impress or emboss the metal without injury to the lacquer thereon may be resorted to without departing from my invention.

The advantage of applying the lacquer to the sheet or plate before the embossing operation consists in the fact that the lacquer may be applied evenly, to insure a uniform appearance of the article when embossed, which would not be the case where the lacquer is applied subsequent to impressing the sheet, as the irregular surface of the latter tends to the unsightly accumulation of lacquer in the depressions and mars the finished appearance of the article, so that the completeness of the imitation is destroyed.

I use in carrying out my method any of the elastic lacquers of commerce. A lacquer having shellac as a base and containing a proportion of rubber dissolved in chloroform will give satisfactory results. I do not, however, desire to be understood as limiting myself to any particular elastic lacquer, as many different combinations may be resorted to. The purpose of using an elastic lacquer will be readily appreciated, as it permits the lacquer to yield without becoming impaired or broken during the impressing or embossing operation.

I do not limit myself to a lacquer imparting the appearance of brass, as it will be readily understood that a lacquer imparting the appearance of silver, copper, or other of the finer grades of metals may be used and still be covered by my invention.

I do not herein claim a sheet or plate of embossed tin or other similar material having a uniformly lacquered and finished face in imitation of one of the finer grades of metals, but reserve the right to claim the same in another application for Letters Patent.

I claim—

The method herein described of making embossed sheet-tin and other like material in imitation of the finer grades of metal, the same consisting in uniformly applying a yielding lacquer to the sheet to produce the appearance of the metal imitated and then embossing or impressing the same, substantially as set forth.

VINCENT FOUNTAIN.

In presence of—
WILLIAM V. H. HICKS,
A. SIDNEY DOANE.