

(No Model.)

G. GNÜCHTEL.
METHOD OF MARBLING ENAMELED ARTICLES.

No. 503,661.

Patented Aug. 22, 1893.

Fig. 2.

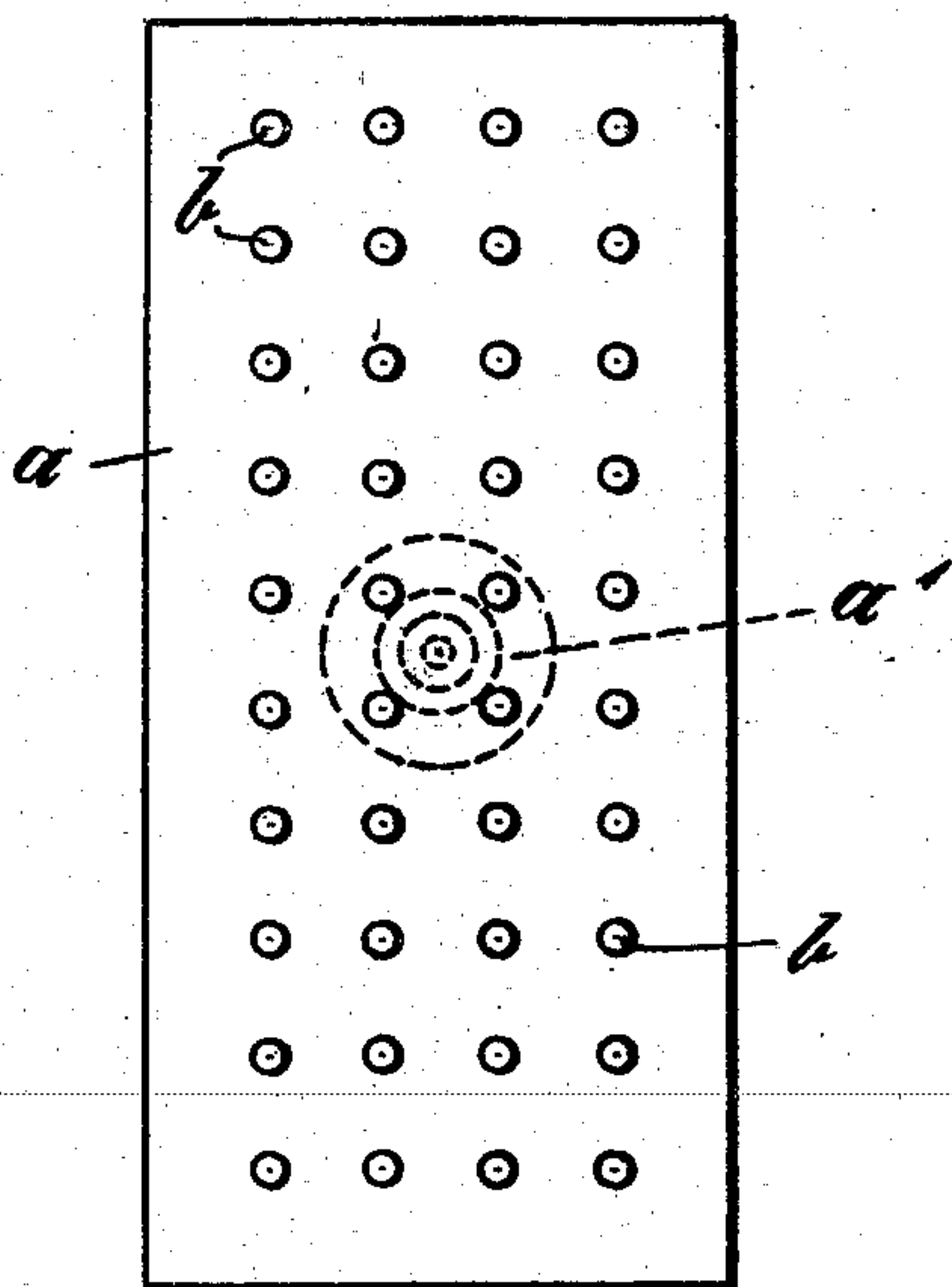


Fig. 1.

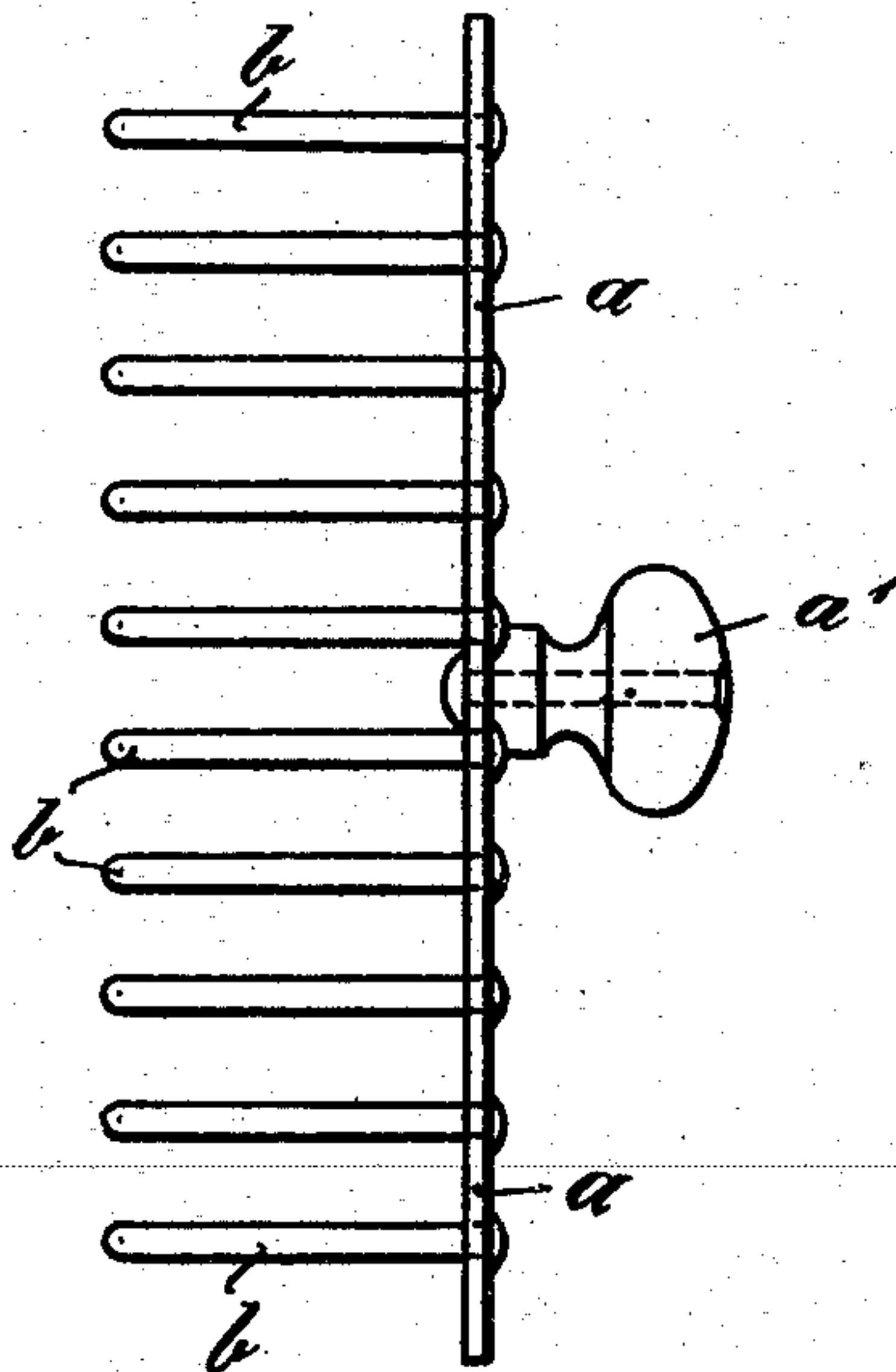
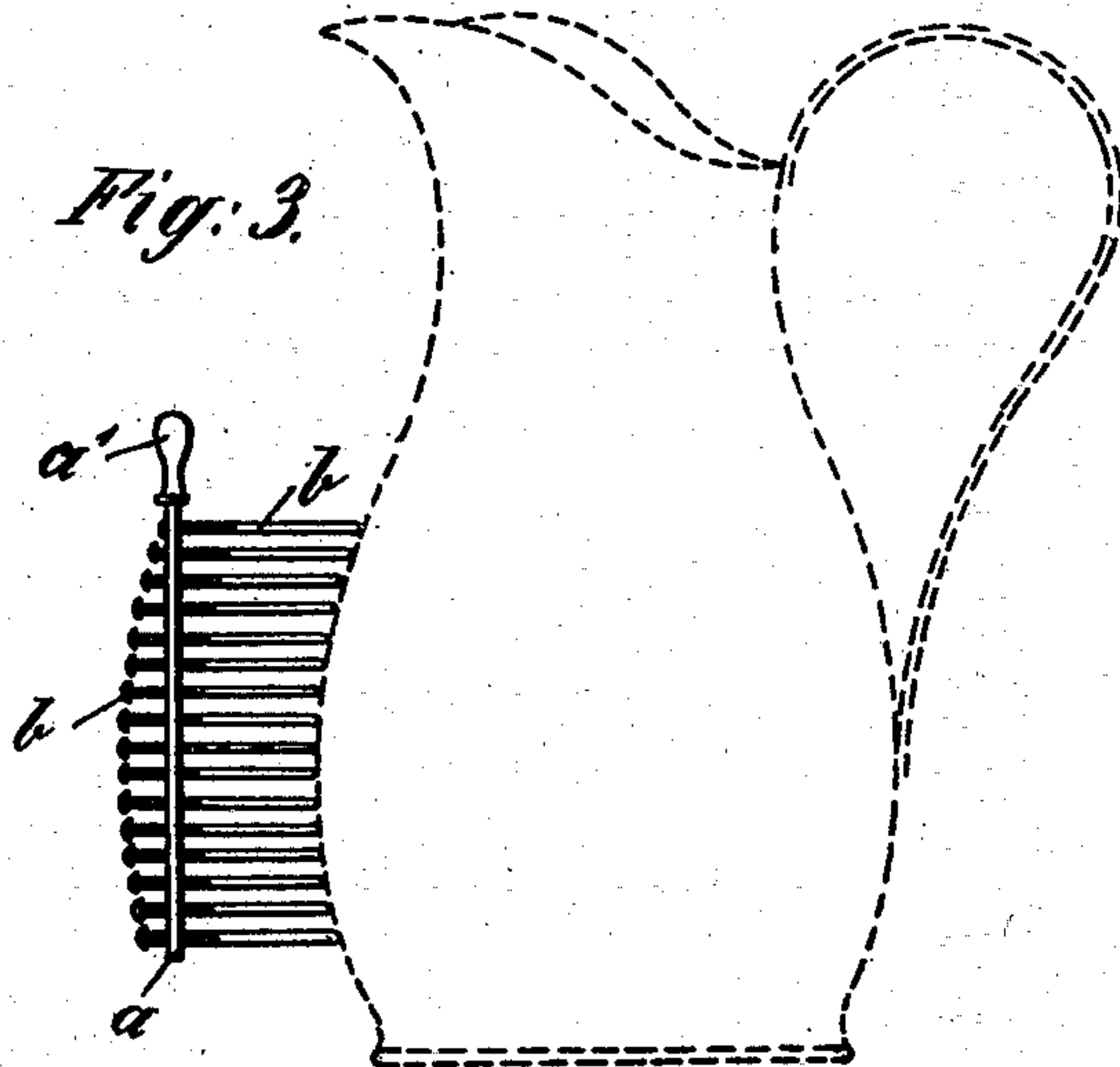


Fig. 3.



Witnesses:
W. C. Pinckney
M. A. Butler.

Inventor,
Guido Gnüchtel
by Bowen & Behrens
attys

UNITED STATES PATENT OFFICE.

GUIDO GNÜCHTEL, OF LAUTER, GERMANY.

METHOD OF MARBLING ENAMELED ARTICLES.

SPECIFICATION forming part of Letters Patent No. 503,661, dated August 22, 1893.

Application filed May 15, 1893. Serial No. 474,347. (No specimens.) Patented in Germany March 25, 1891, No. 64,301; in France April 6, 1891, No. 212,596; in Belgium April 8, 1891, No. 94,461; in Austria-Hungary September 3, 1891, No. 35,368 and No. 25,631, and in England February 16, 1892, No. 3,034.

To all whom it may concern:

Be it known that I, GUIDO GNÜCHTEL, a subject of the King of Saxony, residing at Lauter, a village of the Kingdom of Saxony, Germany, have invented certain new and useful Improvements in Methods of Marbling Enameled Articles, (for which I have obtained Letters Patent in Germany, dated March 25, 1891, No. 64,301; in France, dated April 6, 1891, No. 212,596; in Belgium, dated April 8, 1891, No. 94,461; in Austria-Hungary, No. 35,368 and No. 25,631, dated September 3, 1891, and in England, No. 3,034, dated February 16, 1892,) of which the following is a specification.

My invention relates to the marbling of enameled articles and to apparatus therefor.

Household and kitchen utensils and other articles have heretofore in the enameling been marbled by coating the article with a thin white—or colored—layer of enamel, next squirting colored—or white—drops upon this layer and then shaking the article moderately. By this shaking the enamel squirted on to the ground is distributed in such a manner that only veins remain visible of the said ground. This method does not permit of a uniform marbling, and very great skill is moreover necessary for carrying it into practice. The aforesaid defects are obviated by the method which forms the subject of my invention; which differs from the methods hitherto employed in the fact that the covering enamel is not squirted on to the ground, but is applied to the same by means of a plate provided with pins or bristles, in such a manner that the drops formed at the points of the pins or bristles will be deposited upon the said ground. The operation of depositing the drops upon the ground is continued until the latter is entirely covered with drops of uniform size, whereupon I knock or tap gently against the article for the purpose of causing the drops to run out. In this manner I obtain a uniform marbling which produces a pretty effect. No great skill is required for carrying this method into effect, so that any workman may do the marbling.

The apparatus used for applying the covering enamel may consist of a plate provided with a handle or knob, and which carries on one side one or more rows of pins or bristles the length of which is preferably great.

In the accompanying drawings Figure 1 represents a side elevation of such an apparatus, and Fig. 2 a view from below. Fig. 3 shows a modification.

A plate *a* is provided with a handle or knob *a'*, and pins *b* are secured to the said plate arranged longitudinally in four parallel rows. According to the distance between the pins or bristles the marbling will be coarser or finer.

In the apparatus shown in Fig. 3, the pins are screwed into the plate *a*, so that the length of the pins can be varied to suit the form of the object to be marbled. As such an object in the said figure a water pitcher is shown in dotted lines.

It may be observed that neither of the two layers of enamel need be white, as both layers may be colored but in this case the colors must be different.

Having thus described my invention, what I claim is—

1. The method herein described of marbling enameled articles, the same consisting in depositing drops of a colored enamel upon the ground provided on the articles treated until the ground is entirely covered with drops of enamel, and then knocking or tapping against the article to cause the drops to run out, whereby a uniform marbling is produced, substantially as set forth.

2. The method herein described of marbling enameled articles, the same consisting in applying to the ground provided on the article, at uniform distances apart, drops of a suitably colored enamel and then knocking or tapping against the article to cause said drops to run out, thus producing a uniform marbling of the surface of the article, substantially as set forth.

3. A tool for applying enamel consisting of a bar a plate and a series of pins fixed through the bar or plate and adjustable in length therein, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GUIDO GNÜCHTEL.

Witnesses:

R. E. JAHN,
CHAS. E. BARNES.