

(No Model.)

F. KURSH.
Enameling Jewelry, &c.

No. 227,021.

Patented April 27, 1880.

Fig. 1.

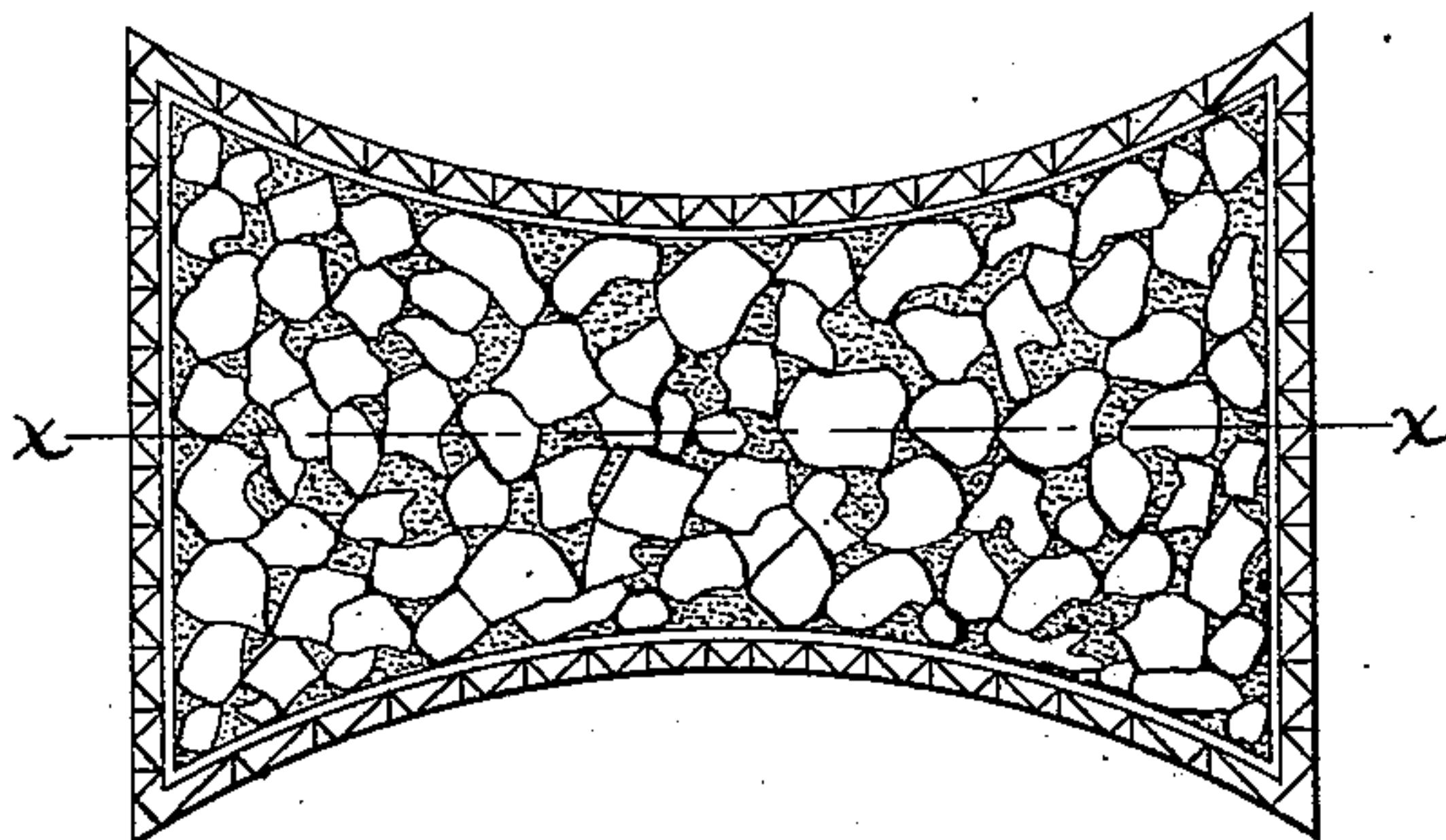


Fig. 2.



Witnesses:

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FRANK KURSH, OF PHILADELPHIA, PENNSYLVANIA.

ENAMELING JEWELRY, &c.

SPECIFICATION forming part of Letters Patent No. 227,021, dated April 27, 1880.

Application filed March 12, 1880. (No model.)

To all whom it may concern:

Be it known that I, FRANK KURSH, of the city and county of Philadelphia, and State of Pennsylvania, and a citizen of the United States, have invented a new and useful Improvement in Enameling Jewelry and other articles, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a face view of a piece of jewelry embodying my invention. Fig. 2 is a section thereof in line *x x*.

My invention relates to an improvement in enameling jewelry and other articles where the enamel is of several or many colors, and its object is the preservation of the entire distinctiveness or individuality of color and contour of each particle of enamel.

In carrying out my invention I reduce enamel of varied colors to a proper comminuted condition in a dry state, and place the particles of all colors in a suitable box or place, or those of each color separate from each other, the former being preferable, as a workman may become sufficiently expert to select the color he desires from a common supply of many colored particles, and thus economize time and space. I grind another quantity of enamel and employ it for the ground and moisten it with water or other liquid. A spoon or other proper tool is dipped into the ground and the coated end directed to the mass of comminuted enamel, so that a particle thereof is taken up by said tool, said particle being then applied to the desired part of a piece of jewelry or other article. This operation is repeated until the face of the jewelry or article is covered with

particles of enamel, the fluid ground serving to hold them together and in a measure fill the interstices. The jewelry or article is now placed in a proper furnace, the effect whereof is to fuse the ground without materially fusing the particles of enamel, so that said particles are united to each other and to the jewelry or article, after which the rough face of the enamel is ground off, a beautiful and variegated enamel then appearing, each particle of enamel preserving its distinctiveness and individuality without running or flowing into its neighbor or forming blotches and flaws. Furthermore, I avoid the expense and labor of cells or partitions, heretofore necessarily employed for the reception of enamel in a fluid state.

By skillful selections of different-colored particles of enamel the best effects of color, shade, &c., and variety in design may be occasioned.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The process of enameling, consisting in applying particles of dry enamel with fluid ground to a piece of jewelry or other article, subjecting the same to a fusing heat, and afterward grinding the resultant surface.

2. Enamel consisting of distinct pieces or particles of different-colored enamel united by the ground enamel, substantially as and for the purpose set forth.

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Witnesses:

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