

P. SEMMER.
MOSAIC.

APPLICATION FILED JAN. 17, 1903.

NO MODEL.

Fig. 1.

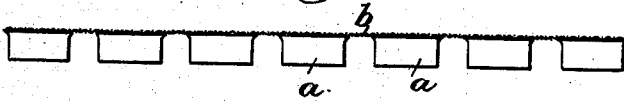


Fig. 2.

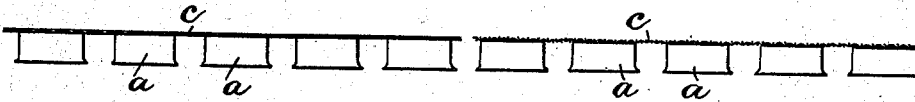


Fig. 3.

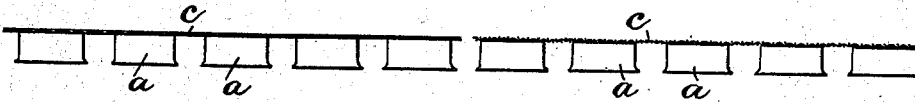


Fig. 4.

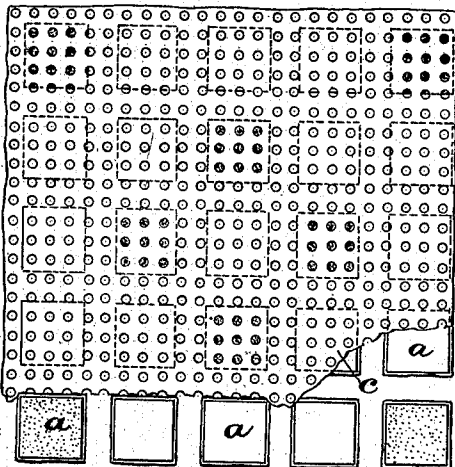


Fig. 5.

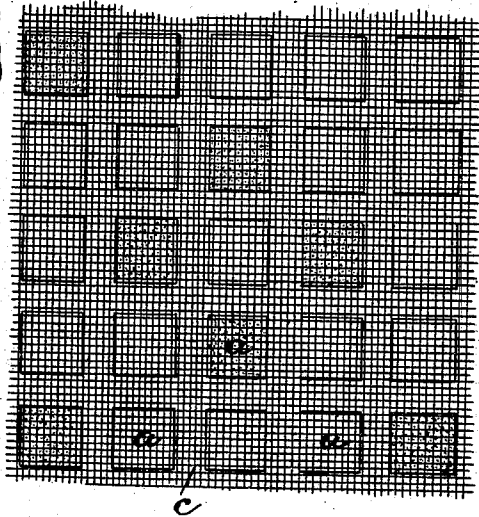


Fig. 6.



WITNESSES

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INVENTOR

Phillip Semmer
by James K. Baker
his Attorney

UNITED STATES PATENT OFFICE.

PHILLIP SEMMER, OF PITTSBURG, PENNSYLVANIA.

MOSAIC.

SPECIFICATION forming part of Letters Patent No. 738,704, dated September 8, 1903.

Application filed January 17, 1903. Serial No. 139,388. (No model.)

To all whom it may concern:

Be it known that I, PHILLIP SEMMER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Mosaic, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a view showing the temporary backing secured to the assembled tesserae. Fig. 2 shows the flexible sheet secured to the face of the tesserae and the temporary backing removed. Fig. 3 shows the temporary backing removed and a modified form of flexible sheet secured to the face of the tesserae. Fig. 4 is a plan view of the assembled tesserae, having the flexible sheet cemented to the face of the tesserae. Fig. 5 is a like view showing a modified form of flexible sheet, and Fig. 6 is a view showing the tesserae laid in the cement of the wall.

My invention consists in the manufacture and use of flexible sheets of mosaic, consisting of glass or other tesserae, in the manner hereinafter more fully described.

I will now describe my invention, so that others skilled in the art may manufacture and use the same.

The tesserae may be of glass, tile, or other suitable material, and they may be formed in any suitable manner and by any suitable means. I prefer, however, to employ such means as will give the tessera a regular outline on its face and an irregular or enlarged outline on its base. These tesserae are assorted and assembled face downward to produce the desired mosaic pattern, and when so formed a temporary backing of paper or other suitable material is connected to the bases of the assembled tesserae, which forms an assembled flexible sheet of tiling, which is shown in Fig. 1 of the drawings, *a* representing the tesserae and *b* representing the temporary sheet. This sheet of tiling is then inverted, bringing the faces of the tesserae uppermost, and a sheet of textile gauze *c*, perforated paper, or other suitable material

is cemented to the faces of the tesserae. The paper backing *b* is then removed from the bases of the tesserae by pulling it off, and the flexible sheet of tiling formed by the tesserae and the facing of gauze is ready to be laid in the usual manner.

By the use of tesserae having irregular or enlarged edges at their bases a much more secure and permanent mosaic is secured, the plaster or cement of the wall or floor setting over these enlarged and projecting edges. It is, however, difficult to assemble such tesserae base downward, owing to the irregular outlines of their bases. By my improved method I am enabled to assemble the tesserae face downward, forming them into a flexible sheet, and owing to the sheet of gauze which is then secured to the face of the tesserae I am enabled to remove the paper or other material from the back of the tesserae, leaving the bases of the tesserae free and clean to be engaged by the cement of the wall, and yet I still retain the mosaic in the form of a flexible sheet ready for transportation and use. After the sheet of mosaic has been embedded in the cement of the wall or floor in the usual manner the facing of gauze is removed by moisture or other suitable means.

The advantages of my improvement will be appreciated by those skilled in the art.

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

The method of forming mosaic tiling, consisting in assembling the tesserae face downward, cementing a temporary sheet to the bases of the tesserae, cementing a flexible sheet to the faces of the tesserae, removing the temporary sheet from the base of the tesserae, laying the mosaic, and then removing the flexible sheet; substantially as described.

In testimony whereof I have hereunto set my hand.

PHILLIP SEMMER.

Witnesses:

ALICE E. DUFF,
A. M. STEEN.