

W. E. BROCK.

Composition for Panels, &c.

No. 146,983.

Patented Feb. 3, 1874.

Fig. 1.

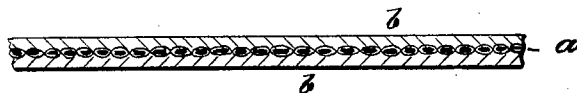


Fig. 2.



WITNESSES.

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WILLIAM E. BROCK, OF NEW YORK, N. Y.

IMPROVEMENT IN COMPOSITIONS FOR PANELS, &c.

Specification forming part of Letters Patent No. **146,983**, dated February 3, 1874; application filed July 3, 1873.

CASE C.

To all whom it may concern:

Be it known that I, WILLIAM E. BROCK, of the city, county, and State of New York, have invented a new article of manufacture, being a composition of matter suitable for the panels of doors or for the tops of tables, wash-stands, or other like purposes, of which the following is a specification:

This invention consists in the saturation of a woven fabric, such as canvas, carpeting, or other like material, with a fluid known as liquid quartz or a soluble silicate of soda, and then coating said fabric with marble-dust or with asbestos, which is to be rubbed or rolled in until all the moisture is absorbed. The surplus dust may then be rubbed off to leave an even surface, which, when dry, may be polished to represent a marble slab, or to receive any ornamentation, such as graining or painting.

The article or material thus prepared, which may be molded into any desired form, will constitute a substitute for marble slabs for table tops, chimney-pieces, and a variety of other articles for inside use, and from their woven fibrous foundation are not liable to fracture, and yet are extremely light.

In the accompanying drawing, Figure 1 rep-

resents a cross-section of a fabric representing a slab of imitation marble. Fig. 2 is a section of a similar fabric, but coated with asbestos instead of marble-dust.

The woven fabric *a* is saturated with liquid quartz, and then treated with marble-dust *b* on both sides, in sufficient quantity to take up all the surplus liquid. The marble-dust being rolled into the fabric forms a solid panel, susceptible of taking a high polish when dry, and resembles marble perfectly, and while it is much lighter than an ordinary marble table-top, it is less liable to fracture, owing to the central woven fabric on which it is formed.

The fabric represented in Fig. 2 is constructed in like manner, with asbestos substituted for marble-dust when a fire-proof slab is required.

What I claim as new, and desire to secure by Letters Patent, is—

A woven fabric, saturated with liquid quartz and coated with marble-dust or other granular material, substantially as specified.

W. E. BROCK.

Witnesses:

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