

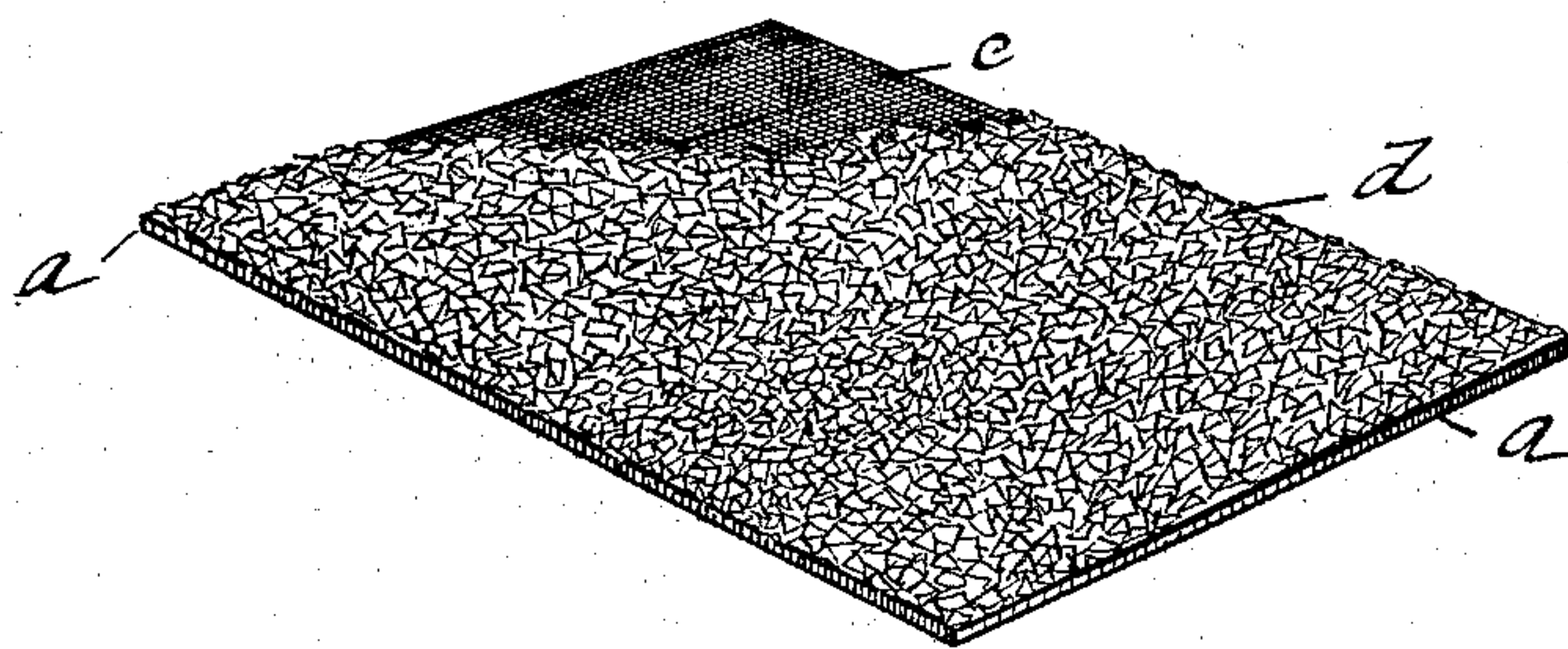
(No Model.)

N. C. NEWELL

ORNAMENTAL COMPOSITE VENEER.

No. 252,245.

Patented Jan. 10, 1882.



Witnesses
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UNITED STATES PATENT OFFICE.

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ORNAMENTAL COMPOSITE VENEER.

SPECIFICATION forming part of Letters Patent No. 252,245, dated January 10, 1882.

Application filed December 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, NELSON C. NEWELL, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Ornamental Composite Veneers, of which the following is a specification.

This invention relates to the manufacture of a new material for surface ornamentation, consisting of an ornamental composite veneer, the object being to provide a highly ornamental plate or veneer having the ornamental properties of pearl, but which can be produced at a price much inferior to the last-named material.

In the drawing forming part of this specification is represented a plate of said ornamental composite veneer constructed according to my invention.

In the drawing, *a* represents a thin sheet of metal, of iron, brass, copper, or other material. *c* represents a coating of japan applied to the surface of said metal sheet, and *d* represents a mat of powdered or finely-broken particles of pearl spread upon said japan.

In selecting a proper metal plate, *a*, to serve as a base for said veneer, care is taken to obtain one which is light and ductile, so that it may be easily adapted to other than flat surfaces in covering and securing said veneer upon said surfaces. Upon said thin and ductile metallic plate I apply somewhat thickly a coat of ordinary black Japan varnish of the quality commonly used for applying to articles of metal, wood, &c., and afterward baking to produce a

hard black finish thereon. After having applied said japan to the metallic plate *a*, as aforesaid, and before it has time to dry, I sprinkle evenly and thinly upon said japan sufficient broken or powdered particles of pearl *d* to cover the said japanned surface of plate *a*, as shown, and in any convenient manner press said pearl particles into said japan to make them properly adhere thereto, and then finish the veneer by baking in an oven in the ordinary manner of baking japanned articles, whereby said japan becomes hard and causes said particles of pearl to adhere firmly thereto. Any other varnish-like substance may be used in place of japan.

The said composite veneer, made as described, makes a handsome panel ornament for cabinets and fancy-boxes, and from it may be cut many varieties of ornamental figures for inlaying in articles of jewelry, buttons, and many articles of furniture, and so used imparts the effect of pearl ornamentation, and affords facilities for producing figure effects not obtainable from real pearl except at great cost.

What I claim as my invention is—

The within-described composite veneer, consisting of the metallic plate *a* and the mat or coating of pearl particles *d*, united together by a suitable interposed adhesive substance, substantially as set forth.

NELSON C. NEWELL.

Witnesses:

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