

# UNITED STATES PATENT OFFICE.

ANN DE BOURBON D'ESTE PALEOLOGUS GONZAGA AND CHARLES DE BOURBON D'ESTE PALEOLOGUS GONZAGA, OF 18 ELGIN ROAD, ST. PETER'S PARK, COUNTY OF MIDDLESEX, ENGLAND.

## METHOD OF APPLYING WOOD VENEER.

SPECIFICATION forming part of Letters Patent No. 331,232, dated November 24, 1885.

Application filed January 13, 1885. Serial No. 152,812. (No specimens.) Patented in England October 15, 1884, No. 13,634.

*To all whom it may concern:*

Be it known that we, ANN DE BOURBON D'ESTE PALEOLOGUS GONZAGA, commonly called Her Royal and Most Serene Highness, the Duchess of Mantua and Montferrat, Ferrara, Nevers, Rethel, and Alençon, Baroness of Tobago, and CHARLES DE BOURBON D'ESTE PALEOLOGUS GONZAGA, commonly called His Royal and Most Serene Highness, the Prince of Mantua and Montferrat, Ferrara, Nevers, Rethel, and Alençon, and Baron of Tobago, both residing at No. 18 Elgin Road, St. Peter's Park, in the county of Middlesex, England, have invented certain new and useful Improvements in the Method of Applying Wood Veneers, of which the following is a specification.

According to this invention we fasten wood veneer to plastered walls or pieces of plaster by means of a strong adhesive cement or glue, but by preference a water-proof solution, such as a solution of india-rubber and shellac, in fusel-oil or mineral naphtha, roller or other pressure being applied to insure proper adhesion and smoothness.

The plaster surface is first sponged over or painted over with a weak solution of silicate of soda or silicate of potassa, which, when dry, is sponged with a weak solution of chloride of calcium, whereby a surface of insoluble silicate of lime is produced, to which, when dry, the veneer will adhere by the application of the cement or glue.

When we use animal glue, a weak solution of common alum must be applied to the veneer after it has been cemented on and has become dry, which solution penetrates through the

veneer to the glue and coagulates it, giving it the character of parchment, thus rendering it indestructible.

The panels of veneer are by preference provided with edgings of wood, veneer, or metal.

Instead of mounting the panels of veneer directly on the prepared plaster surface, we may first mount them on a backing of cloth or paper or other suitable flexible material, such as mill-board, straw-board, wood-pulp board, or thin sheet metal.

The veneer may, either before or after being mounted, be ornamented by color-printing, stenciling, or gilding, or by affixing metal leaves or metal powder thereto, or in any other known manner, after which the surface generally requires varnishing or French polishing.

We claim as our invention—

The method of applying and securing wood veneer to plaster or plaster walls, consisting in first treating the plaster surface with a silicious solution and then with a solution of chloride of calcium, then coating with a water-proof cement or other adhesive substance and pressing the veneer onto it, substantially as set forth.

ANN DE BOURBON D'ESTE PALEOLOGUS GONZAGA,

*Whose usual signature is—*

ANN OF MANTUA AND MONTFERRAT.

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