

UNITED STATES PATENT OFFICE.

CHS. WALKER, OF CHESTER, AND GEO. WILLSON, OF WEATHERSFIELD, VT.

IMPROVEMENT IN THE MANUFACTURE OF PAPER VENEERS.

Specification forming part of Letters Patent No. 6,208, dated March 20, 1849.

To all whom it may concern:

Be it known that we, the undersigned, CHARLES WALKER, of Chester, in the county of Windsor and State of Vermont, and GEORGE WILLSON, of Weathersfield, in said Windsor county, have discovered a new and useful invention called "Paper Veneer," of which the following is a full and exact description.

The nature of our invention consists in taking the impression of all kinds of wood upon paper, which by means of glue or any other adhesive substance can be placed upon all kinds of wood-work.

To enable others skilled in the art to make and use our invention, we proceed to describe the manner of producing the impression.

To get the impression of any kind of wood we make a type upon the kind of wood we wish to take an impression of by means of a "grain," which we use in the first instance for the purpose of getting the outlines of the grain of the wood—that is, the coarser parts of the grain. We then, to complete the type, use oil of vitriol, which we apply to the entire surface of the type by means of a sponge or cloth wet in said solvent, which sponge or cloth, after being so wet, as aforesaid, is rubbed over the surface of the type until it becomes wet with the vitriol. The solvent must remain upon the type until it eats out the porous parts of the wood and leaves the grain perfectly clear, which will usually take from ten to fifteen minutes, depending somewhat upon the strength of the solvent and the kind of wood to be acted upon. After the solvent has acted sufficiently upon

the type its further action is prevented by pouring water upon it.

To produce the colors for mahogany we use burnt *terra di Sienna* mixed with oil used for printer's black ink. To produce colors for rose-wood we use printer's black ink. To produce colors for black walnut we use burnt *terra di Sienna* and burnt umber, shaded a very little with printer's black ink. If we wish to render the colors for mahogany a shade darker than can be produced by the burnt *terra di Sienna* and oil, we add a trifle of burnt umber. The impressions may be taken by using a common printing or cylinder press. By these means we produce a much better imitation of wood than can be produced by painting, it is much cheaper, and can be applied to work where it would be impossible to apply mahogany veneer.

What we claim as our invention, and desire to secure by Letters Patent, is—

The application and use of the type and ink as herein described for the purpose of manufacturing paper veneer, and making an application of it to the purposes herein designated.

After the application of the paper veneer to the work it is finished by the use of varnish.

In testimony whereof we hereto subscribe our names, in the presence of the witnesses whose names are hereto subscribed, on this 25th day of January, A. D. 1849.

CHARLES WALKER.
GEORGE WILLSON.

Witnesses:

H. E. STOUGHTON,
COLEMAN SANDERS.