

# UNITED STATES PATENT OFFICE.

ARCHIBALD W. PAULL AND JOHN H. EWING, OF WHEELING, WEST VIRGINIA, SAID EWING ASSIGNOR OF HIS RIGHT TO SAID PAULL.

## IMPROVEMENT IN THE MANUFACTURE OF WALL-PAPER.

Specification forming part of Letters Patent No. 131,458, dated September 17, 1872.

*To all whom it may concern:*

Be it known that we, ARCHIBALD W. PAULL and JOHN H. EWING, of Wheeling, in the county of Ohio and State of West Virginia, have invented an Improvement in the Manufacture of Wall-Paper, of which the following is a specification:

The invention will first be fully described in connection with all that is necessary to a full understanding thereof and then clearly pointed out in the claim.

In the representation of ornamental wood upon wall-papers it is very desirable and important to exhibit distinctly the various grains of the different kinds of wood. In order to do this faithfully and at a moderate cost various methods have been adopted. These, however, are found in practice to be objectionable either from want of fidelity in representation or from being accomplished at too great an expense. We have discovered a method of accomplishing the object in view without a liability to either of these objections.

We take the section of wood whose grain is to be simulated and apply thereto plaster or equivalent substance in a plastic state. This gives us a suitable matrix or mold on which we cast molten gutta-percha or other suitable

material. This gives us the stereotype-plate from which an exact imitation of the grain of the wood is transferred (by the printing process) to paper whose quality and dimensions have been previously decided upon. The most acceptable mode of effecting this result now known to the public consists in etching or engraving a surface in correspondence with the grain of wood to be represented and taking therefrom the stereotype or printing-plate. Our method is less expensive, more accurate, and more certain in attaining the precise effect desired.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The method of applying to wall-papers a representation of the grain of different kinds of wood, as above described.

The above specification of our invention signed by us this 5th day of August, A. D. 1872.

ARCHIBALD W. PAULL.  
JOHN H. EWING.

Witnesses:

J. C. ORR,  
WM. L. EWING.