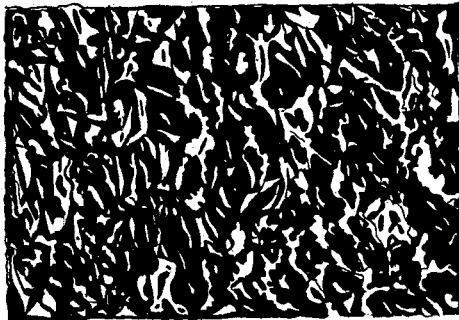


G. GROSSHEIM.  
Marbleizing Paper and other Fabrics.

No. 204,146.

Patented May 28, 1878.

*Fig: 2*



*Fig: 1*



*Witnesses*

*John C. Turnbridge*  
*A. Briesen*

*Inventor:*

*Georg Grossheim*  
*by his attorney*  
*A. Briesen*

# UNITED STATES PATENT OFFICE.

GEORG GROSSHEIM, OF ELBERFELD, ASSIGNOR TO ADOLPH SIEBERT, OF HUMMERSBACH, PRUSSIA, GERMANY.

## IMPROVEMENT IN MARBLEIZING PAPER AND OTHER FABRICS.

Specification forming part of Letters Patent No. 204,146, dated May 23, 1878; application filed April 8, 1878.

*To all whom it may concern:*

Be it known that I, GEORG GROSSHEIM, of Elberfeld, Prussia, Germany, have invented an Improved Process of Marbleizing Paper and other Substances, of which the following is a specification:

Figure 1 is a vertical section of a marble block prepared according to my invention. Fig. 2 is a face view of a piece of paper printed according to the invention.

Similar letters of reference indicate corresponding parts in all the figures.

The object of this invention is to transfer to paper or other substance a correct representation of the veins of any suitable kind of marble.

The invention consists in sinking the veins into the surface of a polished slab or block of marble, and then printing with the marble thus prepared.

After the marble has been cut into flat slabs or cylindrical blocks, according to the style of press wherein it is to be used, it is properly smoothed or polished, and its natural veins are thereupon either etched chemically or cut to a certain depth by engravers' tools, so that the veins will be sunk below the printing-surface of the slab or block. The block or slab

is next inserted in a suitable printing-press and supplied with printing colors, so that impressions may be taken therefrom upon paper or other fabric.

The marble A thus prepared, and having its natural veins sunk below the polished surface, as at *a a* in Fig. 1, may also be used for making electrotypes or stereotypes therefrom.

In printing from the marble block or slab, the coloring matter is either applied to the projecting polished surface, as in ordinary type-printing, or to the receding veins, as in lithographic printing.

I claim—

The process of reproducing the natural veins of marble on paper or other fabric by sinking the natural veins of a block or slab of marble below the polished surface thereof, and then printing from the surface thus produced, or from a metallic reproduction thereof, substantially as specified.

This specification signed by me this the 9th day of March, 1878.

GEORG GROSSHEIM.

Witnesses:

FR. AUG. HARDT.

AD. SIEBERT.