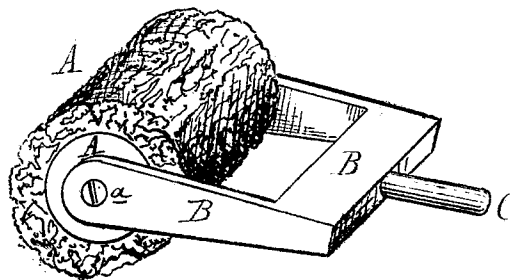


E. A. F. HART.  
GRAINING-ROLLERS.

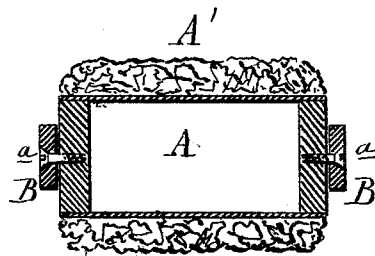
No. 183,051.

Patented Oct. 10, 1876.

*Fig: 1.*



*Fig: 2.*



*Attest.*  
*Edward Parthel*  
*Charles J. Hush*

*Inventor*  
*E. A. F. Hart*  
*By Atty*  
*Thos. D. Sprague*

# UNITED STATES PATENT OFFICE.

EDWARD A. F. HART, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN GRAINING-ROLLERS.

Specification forming part of Letters Patent No. **183,051**, dated October 10, 1876; application filed March 6, 1876.

*To all whom it may concern:*

Be it known that I, EDWARD A. F. HART, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Graining-Roller, of which the following is a specification:

In graining the surfaces of picture-frames, panels, and other work, in imitation of French burl veneers, it has been customary heretofore to use a coarse flat sponge, which was pressed by hand one or more times upon the fresh or green color. The object I have in view is to provide a roller with which the burl surface can be imitated in one-tenth the time heretofore required; and to this end it consists in covering a suitable roller with coarse sponge, secured thereon in a layer of uniform thickness.

Figure 1 is a perspective view of my device. Fig. 2 is a longitudinal section of the roller.

In the drawing, A represents a hollow cylindrical roller, axially journaled by pins *a a* in

the jaws of a frame, B, provided with the handle C. The roller is covered with a layer, A', of coarse sponge, made of a sheet of a thickness as nearly uniform as possible. The roller so covered is to be moistened with water, if water-colors are used, or with turpentine, if the graining is executed in oil-colors, and rolled once or twice over the "green" color, when the irregular burl will be so closely imitated as to deceive all but experts, in a small fraction of the time required to execute it by the process heretofore used.

I am well aware that graining pattern-rollers are not new, and, while I disclaim, broadly, the invention of a graining-roller,

What I do claim as new is—

A graining-roller covered with sponge for imitating French-walnut burls, substantially as described and shown.

EDWARD A. F. HART.

Witnesses:

WM. H. LOTZ,

GEO. FROMMANN.