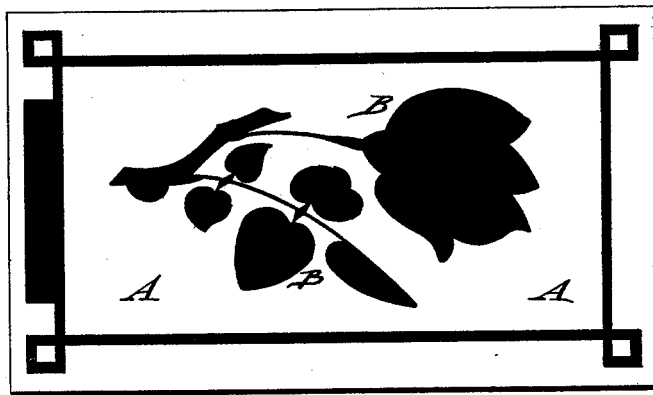


L. A. AMOUROUX.  
Process of Inlaying Metallic Ornaments in  
Wood or Stone.

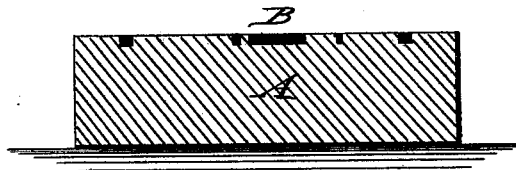
No. 213,372

Patented Mar. 18, 1879.

*Fig: 1.*



*Fig: 2.*



WITNESSES:

*Achilles Schuhl.*  
*C. Sedgwick*

INVENTOR:

*L. A. Amouroux*  
BY *Munn Ho*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

LOUIS A. AMOUROUX, OF WEST MOUNT VERNON, NEW YORK.

IMPROVEMENT IN PROCESSES OF INLAYING METALLIC ORNAMENTS IN WOOD OR STONE.

Specification forming part of Letters Patent No. **213,372**, dated March 18, 1879; application filed September 24, 1878.

*To all whom it may concern:*

Be it known that I, LOUIS A. AMOUROUX, of West Mount Vernon, in the county of West Chester and State of New York, have invented a new and useful Process of Inlaying Metallic Ornaments in Wood or Stone, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a top view of a paper-weight ornamented according to my improved process. Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to ornament or inlay wood and stone of all kinds with metal in a neat and superior manner by a process in which the inlaying is accomplished quickly and cheaply, so as to be adapted to a variety of applications in the trades; and the invention consists of inlaying or ornamenting wood, stone, or other material, after it has been engraved, with a soft metal or an alloy of soft metals, melting at a low temperature, and working the metal into the recesses or indentations in a hot state, and finally polishing the surface after the metal filling has cooled off.

Hitherto the inlaying or ornamentation of wood or stone was produced without the employment of heat, by simply engraving the surface of the material according to the desired pattern, and cementing or otherwise fastening the cut-out metallic or other ornaments into the indentations.

By my process the surface of the wood or stone is first engraved, and then a suitable

metal having a low melting-point—such as lead, tin, bismuth, cadmium, quicksilver, or any alloy of any two or more of these metals—spread over the surface in hot or melted state, and then worked into the indentations by means of heated tools, so as to fill them entirely and uniformly. After the metal filling thus worked into the material has become perfectly cold the surface is polished off, and the article thereby finished off in a superior and elegant manner.

The inlaying of elaborate metallic ornaments and letters into stone or wood may thus be accomplished in a cheap manner, the process being adapted for signs of all kinds, paper-weights, and a variety of other articles of manufacture of artistic character.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The process herein described of inlaying metallic ornaments into wood or stone, consisting in working soft metal or an alloy of soft metals in hot or melted state into the engraved or indented portions of the surface of the stone or wood, and then polishing the surface after the metal has hardened, substantially as described, and for the purpose specified.

2. As a new article of manufacture, articles of wood or stone engraved and inlaid with ornaments of soft metal, worked in in hot state, substantially as specified.

LOUIS A. AMOUROUX.

Witnesses:

PAUL GOEPEL,  
C. SEDGWICK.