

UNITED STATES PATENT OFFICE

CARL FREDERICI, OF NEW YORK, N. Y.

IMPROVEMENT IN PROCESSES OF MANUFACTURING WAX PATTERNS.

Specification forming part of Letters Patent No. **154,033**, dated August 11, 1874; application filed November 17, 1873.

CASE A.

To all whom it may concern:

Be it known that I, CARL FREDERICI, of the city, county, and State of New York, have invented a new and Improved Process for Manufacturing Wax Patterns; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same.

This invention consists in dusting the sheets of wax from which the patterns are to be made with whiting, soap-stone, or other suitable material; then placing a number of such sheets on each other and cutting through the whole pile by means of a needle or other suitable cutting-instrument in such a manner that the cut edges of adjacent sheets are prevented from adhering together, and the outlines of the patterns are sharp and well defined in every sheet.

In carrying out my invention, I prepare sheets of wax of suitable thickness for my purpose; then form a pile of sheets by placing a number of said sheets on each other, care being taken to dust the surface of each sheet with whiting or other suitable material, so as to prevent the sheets from adhering to each other. After the pile of sheets has been formed I cut the desired pattern through the

whole pile with a needle or other suitable cutting-instrument which will produce sharp edges without pressing the sheets or any portion thereof out of the required position. In cutting out the pattern a guide or stencil plate of metal may be used, which is placed on the top of the pile of the sheets of wax.

By these means I am enabled to produce wax patterns for the sand-blast process, or for other purposes, such as etching, with great rapidity, and the cost of making such patterns is inconsiderable; and I will remark that the number of sheets employed will correspond to the number of patterns desired.

What I claim as new, and desire to secure by Letters Patent, is—

The within-described process of producing wax patterns by first forming sheets of wax, then dusting these sheets with whiting or other suitable material, then placing them together to form a pile, and finally cutting the desired design through this pile with a needle or other suitable instrument, substantially as set forth.

CARL FREDERICI.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.