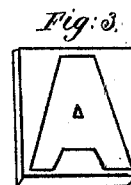
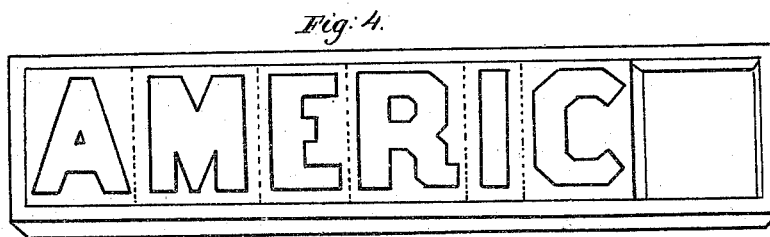
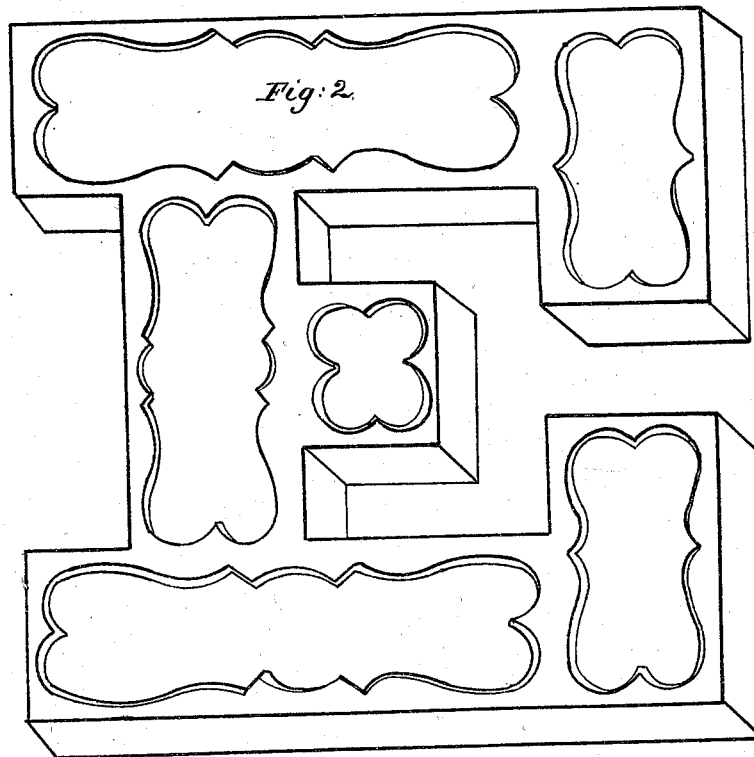
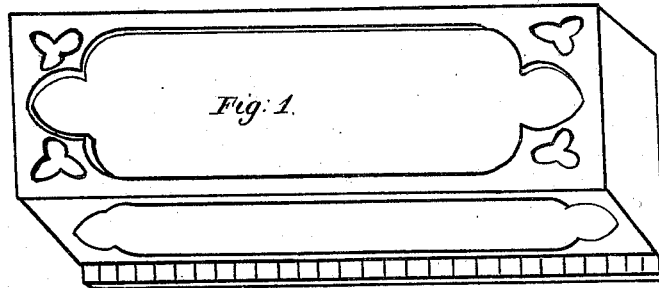


*L. Maten.*  
*Block Letters.*  
*Nº 3,750. Patented Sept. 20, 1844.*



*Witnesses*  
*William C. Ruffel*  
*Joseph S. Ridgway.*

*Inventor;*  
*L. Maten*

# UNITED STATES PATENT OFFICE.

LEWIS KATEN, OF NEW YORK, N. Y.

## IMPROVEMENT IN MAKING BLOCK-LETTERS.

Specification forming part of Letters Patent No. 2,750, dated September 20, 1844.

*To all whom it may concern:*

Be it known that I, LEWIS KATEN, of the city and county of New York, in the State of New York, have invented a new and useful improvement in the manufacture of block-letters, block numeral figures, ornamental moldings, cornices, and ornamental parts of buildings; and I do hereby declare that the following is a full and exact description of the same.

The nature of my invention consists in making block-letters, block numeral figures, moldings, cornices, or other ornamental parts of buildings in detached frames of metal, wood, or composition, and fitting stained glass into the frame, or inclosing gold or silver leaf, tin-foil, or other coloring-matter behind glass or other transparent substance in the said frame with cement, so as to be impervious by air or moisture.

To enable others skilled in the art to make and use my invention or improvement, I will proceed to describe its construction.

I make a frame of metal, wood, or composition, in the form of the block letter, numeral figure, molding, cornice, or other ornamental part of a building, which frame is represented by the uncolored parts of the accompanying drawings, Nos. 1 and 2. Into this frame I either insert stained glass, and thus fill up the space which is represented as colored in said accompanying drawings with a permanent color, or I insert with cement into said frame transparent glass, or other transparent substance, behind which I inclose gold-leaf, silver-leaf, tin-foil, or other coloring substance, and cover it behind with a coat of asphaltum, varnish, paint, or cement, or with all of them, in such

a way as to render it impervious by air or moisture.

Another variation of the same improvement is as follows: In detached plates of metal, wood, or composition I cut the letter, numeral figure, or ornamental device, so as to leave all the rest of the plate solid, and the letter, numeral figure, and ornamental device to consist of the vacant space in the solid plate. This is represented in the accompanying drawing, No. 3, in which the colored part represents the space cut out of the solid plate. Then I place behind the plate stained glass, secured by brads or cement, and thus color the body of the letter, figure, &c.; or I place behind the plate transparent glass, or other transparent substance secured in the same way, and behind it I inclose the coloring substance in the same manner as in making the first-mentioned variation of this improvement.

In the application of this improvement to signs, a number of letters or numeral figures may be combined in the same plate, as in Drawing No. 4.

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

The introduction into block-letters, block numeral figures, ornamental moldings, cornices, and ornamental parts of buildings, of a coloring-matter behind a plate of glass or other transparent substance, in a manner which shall render it permanent, and not liable to be tarnished by exposure to the air and moisture, in the manner herein set forth.

LEWIS KATEN.

Witnesses:

WILLIAM C. RUSSEL,  
JOSEPH S. RIDGWAY.