

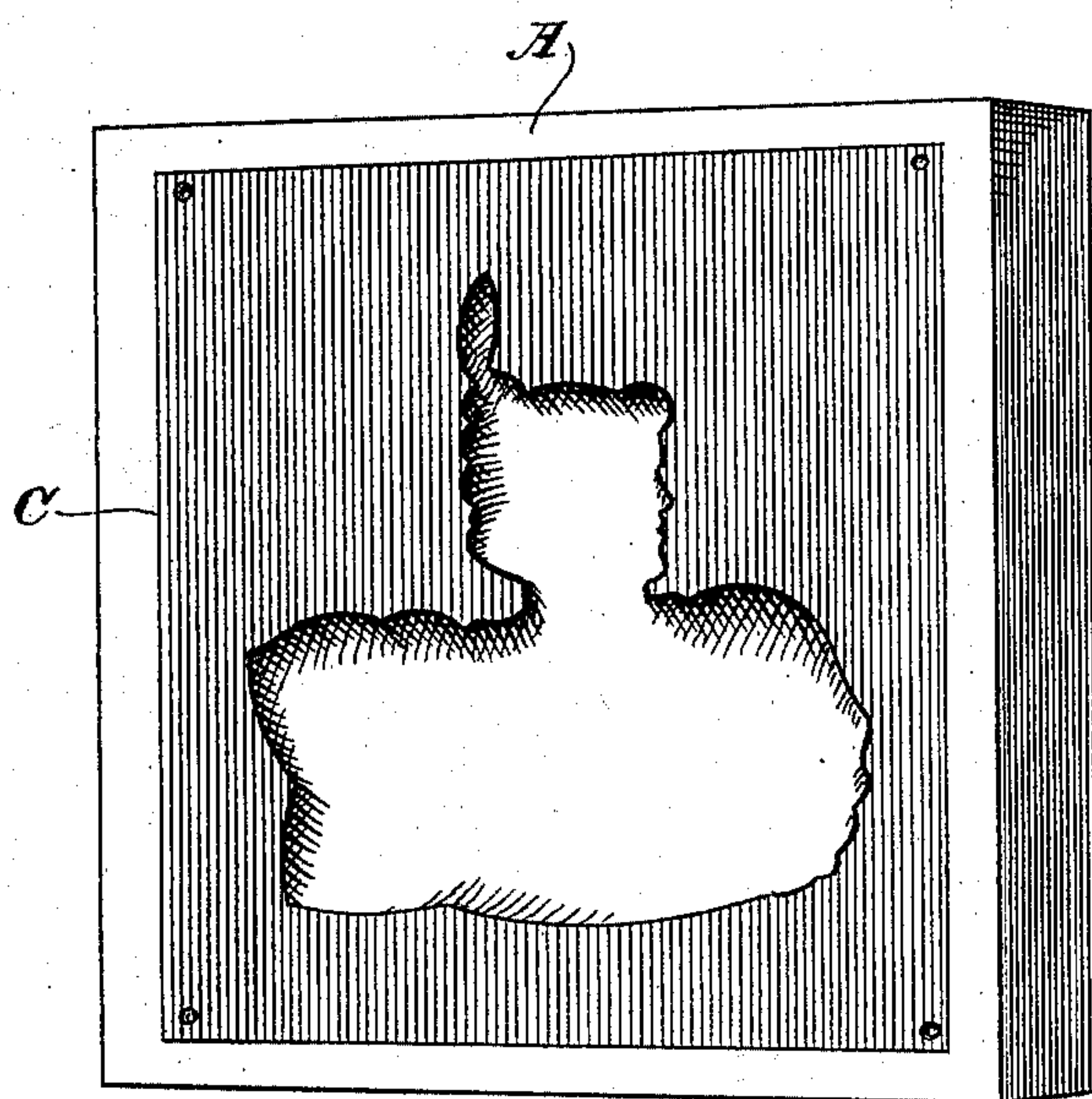
(No Model.)

T. C. MARCEAU.

PROCESS OF PRODUCING PHOTOGRAPHS IN RELIEF.

No. 574,069.

Patented Dec. 29, 1896.



Witnesses,

J. H. Morse
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Inventor,
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UNITED STATES PATENT OFFICE.

THEODORE CHRISTOPHER MARCEAU, OF SAN FRANCISCO, CALIFORNIA.

PROCESS OF PRODUCING PHOTOGRAPHS IN RELIEF.

SPECIFICATION forming part of Letters Patent No. 574,069, dated December 29, 1896.

Application filed August 24, 1896. Serial No. 603,674. (No specimens.)

To all whom it may concern:

Be it known that I, THEODORE CHRISTOPHER MARCEAU, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Processes of Producing Photographs in Relief; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to improvements in the art of finishing photographs and other pictures so that certain portions of the pictures are thrown up into relief above the plain surface.

It consists, essentially, in a means for indicating and outlining upon the surface of a block the portion which is to be engraved or excavated to form the intaglio into which the portion of the picture to be thrown into relief is pressed, and in a means for subsequently registering the pictures so that they will accurately fit the engraved block.

In the accompanying drawing, the figure is a view illustrating my invention.

In carrying out my invention I employ a block A of any suitable material the surface of which is capable of being engraved or excavated.

The picture to be produced in relief is first laid upon a sheet C, which is properly proportioned to the block, and the outline of the portions to be thrown up in relief is cut through the picture and through the sheet C beneath, the two sheets being secured together so as to remain in the same relative position until the cut has been completed.

The supplemental sheet C may be made of any suitable material. I have found that collodion in thin sheets makes a very satisfactory substance for the purpose, but it will be manifest that other materials may be used without departing from my invention. This sheet is then applied to the surface of the block and attached thereto by pins passing through it and into the block. The outline which is to be engraved in the block is then

marked by following the outline of the cut. The sheet may then be removed and the engraving of the block completed. The pictures to be thrown into relief are then fitted to the opening in the prepared sheet C. This sheet is then placed upon the block with the face of the picture downward, and pins passing through the sheet and the picture into the holes previously made in the block insure the proper registration and the retention of the picture in its position while pressure is applied to throw it up into relief.

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

1. The method of forming pictures in relief, consisting in simultaneously cutting the outline of one of the pictures and a supplemental sheet upon which it is overlaid, fixing the sheet and indicating said outline upon a prepared block, engraving an intaglio in said block, corresponding with the outline, applying the pictures to register with the engraved portion, and pressing the coincident portions into the engraved surface.

2. The method of forming pictures in relief, consisting in cutting the outline of one of the pictures and a supplemental sheet upon which it is overlaid, indicating said outline upon a block, and engraving an intaglio in said block corresponding with the outline, fitting the pictures successively to the opening in the supplemental sheet, inverting them and the sheet over the engraved surface, and retaining the pictures in register with said surface, while they are pressed thereinto by uniting the pictures and the supplemental sheet and entering corresponding holes in the block.

In witness whereof I have hereunto set my hand.

THEODORE CHRISTOPHER MARCEAU.

Witnesses:

S. H. NOURSE,
H. F. ASCHECK.