

# United States Patent Office.

BENJAMIN F. TAYLOR, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
HIMSELF AND GEORGE TAYLOR, OF CAMDEN, NEW JERSEY.

*Letters Patent No. 62,299, dated February 19, 1867.*

## MODE OF PHOTOGRAPHING ENGRAVERS' BLOCKS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN F. TAYLOR, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and improved Mode of Photographing Engravers' Impression Blocks or Plates; and I do hereby declare that the following is a full and exact description thereof.

The nature of my invention and improvement consists in producing a right impression on negative plates by means of a reflector attached to a camera, which plates are brought into contact with blocks or plates of wood, stone, or metal, to give a reverse impression for the use of engravers.

I will premise that it is a well-known fact that when a prepared plate is placed in a camera a reverse impression is obtained, and that if this is transferred to an engraver's block or plate the result will be a right impression, which is the opposite of what is wanted. Consequently engravers hitherto have had to resort to draughting or tracing to get the reverse impression. My object is the dispensing of this additional work by bringing into use the following mode, viz: To get a reverse impression on the block or plate, I take a right impression on the negative plate, by means of a reflector placed in front of a camera at an angle of forty-five degrees, more or less. I then place the face of the plate in contact with the block or plate to be engraved, which has been previously coated with a solution made of the following ingredients, viz: plain collodion, eight ounces; nitrate of silver, one hundred grains; chloride of strontia, twenty-five grains; citric acid, twenty grains. I then make the coating permanent by immersing the block or plate into a fixing bath containing a solution of hyposulphite of soda.

Having thus fully described my improved mode of photographing engravers' impression blocks or plates, what I claim therein as new, and desire to secure by Letters Patent, is—

The use of a reflector with a photographic camera, for obtaining a reverse photographic impression on blocks of wood, stone, or metal, for the use of engravers, the said blocks or plates being coated with the solution above specified, or its equivalent, to receive the impression from the negative plates, substantially in the manner hereinbefore described.

In testimony that the above is my invention, I have hereunto set my hand and affixed my seal this seventeenth day of May, 1866.

BENJN. F. TAYLOR. [SEAL.]

Witnesses:

STEPHEN USTICK,  
JOHN WHITE.