

# UNITED STATES PATENT OFFICE.

BENJAMIN B. HUNTOON, OF LOUISVILLE, KENTUCKY.

## PAPER MATRIX FOR STEREOTYPING.

SPECIFICATION forming part of Letters Patent No. 252,877, dated January 31, 1882.

Application filed April 16, 1881. (Specimens.)

*To all whom it may concern:*

Be it known that I, BENJAMIN B. HUNTOON, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Paper Matrices for Stereotyping Raised Letters for the Use of the Blind or other Purposes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

The object of this my invention is to provide paper matrices for stereotyping by means of charred or carbonized paper passed through an ordinary printing-press, having suitable type, by means of which a perfect letter impression is made upon the paper, which, when removed from the type and dried in any suitable manner, is ready for use.

In order to carry out this my invention, I select paper from the common or poorest stock of such paper, but of extra thickness; and in order to prepare it for the purpose I first subject it to heat sufficient to char or carbonize it,

or by dipping it (a sheet at a time) in molten metal, or by baking it (after slight dampening) upon a steam-chest under slight pressure, or by moistening it with acid, and when this moisture has sufficiently evaporated to leave it but slightly soft and pliable it is ready to receive the impression, which is made by passing it through an ordinary printing-press, provided with suitable type, in a cold state, either with or without a paper backing; but if a backing is used it is only intended to assist in removing the matrices from the type. The process of drying is accomplished by means of a steam-heated surface, or in any other suitable manner. Therefore

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

Matrices for stereotyping made of charred or carbonized paper, substantially as described, and for the purpose set forth.

BENJAMIN B. HUNTOON.

Witnesses:

FRANK PARDON,  
C. HEWITT.