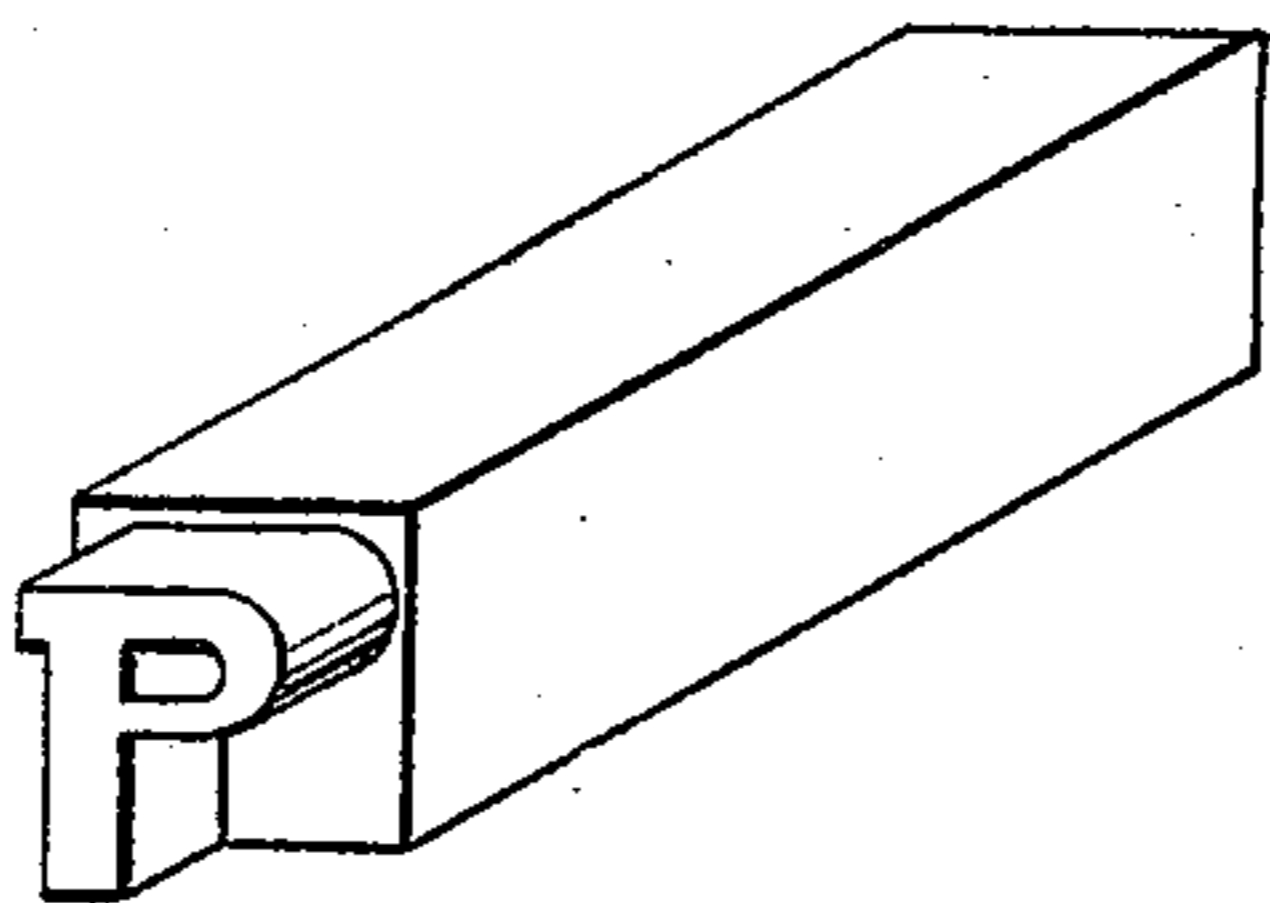


*L. V. Newton.*

*Type.*

*N<sup>o</sup> 7581.*

*Patented Aug. 20. 1850.*



# UNITED STATES PATENT OFFICE.

LUKE VANDER VEER NEWTON, OF NEW YORK, N. Y.

PREPARING THE FACE OF METALLIC TYPES, ENGRAVED PLATES, &c.

Specification of Letters Patent No. 7,581, dated August 20, 1850.

*To all whom it may concern:*

Be it known that I, LUKE V. V. NEWTON, of New York, in the county of New York and State of New York, have discovered a  
5 new and useful Improvement in the Manufacture of Printing Type and its Materials; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed  
10 drawing making a part of this specification, in which the figure is a representation of one of my improved types.

The nature of my discovery consists in a new method of coating the wearing surfaces  
15 of ordinary printing types, stereotype plates, and other plates whether engraved or cast, so as greatly to prolong the wear of said types and plates in the process of printing, or taking impression from them.

20 This object I attain by plating the surface of the type, stereotype plate, picture cut or other device on those parts which are subject to the action of the printing press, with a metal more durable than the type,  
25 plate, &c., is itself composed of, and the means I employ to effect this object is galvanic electricity.

30 In the manufacture of these type, I employ the well known galvanic battery, and the metal I prefer to plate the types, &c., with is copper.

The battery being in readiness a solution of a salt of copper (if that metal is chosen for the purpose) is put in the proper cell of the battery and the depositing of the metal  
35 itself on the surface of the type or stereotype plates is thence effected as usual.

In order the more readily to accomplish this result I bind a number of type together is masses of convenient size for operating  
40 with, thoroughly cleansing their face, after which I immerse them in the solution of the salt of copper as deep as the shoulder of the shank, voltaic electricity being then applied for decomposing the salt and deposit-  
45 ing the metal on the face of the type as shown in the drawing.

What I claim as my invention and discovery and desire to secure by Letters Patent is—  
50

The plating or coating of the surfaces of metallic printing types stereotype plates or other printing plates whether cast or engraved, with an additional coat of metal by means of galvanic electricity in the manner  
55 and for the purpose described.

L. VANDER VEER NEWTON.

Witnesses:

JOSEPH P. PIRSSON,  
S. H. MAYNARD.