

United States Patent Office.

LUTHER L. SMITH, OF BROOKLYN, NEW YORK.

Letters Patent No. 95,053, dated September 21, 1869.

IMPROVED NICKEL-FACED TYPE.

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, LUTHER L. SMITH, of the city of Brooklyn, have invented a new and improved Mode of Metal-Facing Type and Stereotype-Plates made from movable type.

I am aware that metallic printing-type have been covered with a coating of copper and some other metals, for the purpose of making them harder and more enduring, and for other purposes, but I believe that I am the first person who has successfully covered metallic printing-type with nickel, and I have discovered that metallic type coated with nickel are better than the same type coated with copper, or with any other metal with which I have ever known them to be coated in several respects.

First. Nickel is much harder than copper, or any other metal that has heretofore been used for coating metallic type, and therefore a nickel-plated type of a certain thickness will wear longer than type plated with the same thickness of any other metal that has heretofore been used for that purpose.

Second. It is possible, without producing a mat surface, to electro-plate with nickel to a greater thickness than it is possible to electro-plate with copper, or any other metal that has heretofore been used for coating type, and therefore it is possible to electro-plate metallic type with a thicker coating of nickel than of copper, or any other metal that has heretofore been used

for coating such type, and yet leave the surface of the type smooth and regular.

Third. Nickel-plated type are preferable for printing with colored inks to metallic type plated with copper, for the component parts of various colored inks that act upon the copper coating will not act at all, or only slightly, upon the nickel coating.

Ordinary metallic type may be coated with nickel by the process described in Letters Patent, dated the 3d of August, 1869, and issued to Isaac Adams, Jr., for improvements in the electro-deposition of nickel, and this is the process that I have used, but I do not confine my invention to type plated by that process.

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

1. The electro-plating of metallic type and of electrototype or stereotype-plates made from movable type with nickel, and thus producing an improved type or plate.

2. A metallic type, electro-plated with nickel, or a stereotype-plate made from movable type and electro-plated with nickel, as a new article of manufacture.

The above specification of said invention signed and witnessed at New York, this 14th day of August, A. D. 1869.

Witnesses:

LUTHER L. SMITH.

FRANCIS B. ANTZ,

CHAS. C. BEAMAN, Jr.