

## UNITED STATES PATENT OFFICE.

JOSEPH A. ADAMS, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN TREATING FORMS OF TYPE, ENGRAVED BLOCKS, &amp;c.

Specification forming part of Letters Patent No. 118,420, dated August 29, 1871.

*To all whom it may concern:*

Be it known that I, JOSEPH A. ADAMS, of Brooklyn, in the county of Kings and State of New York, have invented a certain new and Improved Process of Treating Forms of Type, Engraved Blocks, Plates, &c., to prevent them sticking to the wax-composition mold when the impression is taken, for use in electrotyping, of which the following is a specification:

My invention consists in the use of a composition of alcohol, or its equivalent, and glycerine, for coating the surface of the forms of types, wood-cuts, &c., of which an impression is taken in wax for the operation of electrotyping. The object of my invention is to dispense with the expensive and dirty process at present employed of covering the surface of the type, &c., with black-lead.

Instead of using powdered plumbago upon the face of the type or wood-cuts to be electrotyped, to prevent the wax mold from sticking, I coat it with a composition of alcohol, or its equivalent, and glycerine, prepared as follows:

To one quart of alcohol add about a wine-glass of glycerine and mix it thoroughly; pour out a small quantity of the mixture into a flat dish, and apply it to the surface of the type or cuts with a soft brush, (such as is used by electrotypers to oil their forms with,) brushing it carefully all over the surface with which the wax comes in contact. The alcohol will then evaporate and leave a very thin coating of glycerine upon the face of the form or cut, sufficient to prevent the wax adhering to the type or wood-cut when it is pressed into it, whether the wax had previously been coated with the plumbago or metallic powder.

## I claim—

The herein-described process of coating forms of type, engraved blocks, plates, &c., with glycerine and alcohol, substantially as described and specified.

J. A. ADAMS.

## Witnesses:

ROBERT H. MANNERS,  
EDWARD E. OSBORN.