

# UNITED STATES PATENT OFFICE.

ARCHIBALD W. PAULL, OF WHEELING, WEST VIRGINIA.

## METHOD OF TINTING WARES.

SPECIFICATION forming part of Letters Patent No. 560,067, dated May 12, 1896.

Application filed September 14, 1894. Serial No. 522,995. (No specimens.)

*To all whom it may concern:*

Be it known that I, ARCHIBALD W. PAULL, of Wheeling, in the county of Ohio and State of West Virginia, have invented a new and  
5 useful Improvement in the Method of Tinting, of which the following is a full, clear, and exact description.

My invention relates to the tinting of various wares, and more especially to the coloring of lamp-shades and similar articles. Here-  
10 tofore costly skilled labor had to be employed in this art, since the even spreading of the oil to which the powdered color was applied was a difficult matter and has hitherto always  
15 been carried out by painting the oil upon the article, which was placed upon a revolving stand. This brushing of the oil upon the article does not give an even coating, and for  
20 finer articles a further step of stippling is necessary in order to spread the oil more evenly. Both of these steps demand considerable manual skill, since the coating of oil must be even and uniform to give a uniform  
25 tint throughout from the color dusted on.

To overcome these difficulties, I have devised the present method, which I will now describe, so that those skilled in the art to  
30 which it appertains may work the same.

I first take a heavy sticky oil, such as heavy  
35 boiled linseed-oil, and mix a small quantity of this with a liquid which will rapidly evaporate when exposed to the air, such as benzene or ether, preferably in about the proportion of one-half an ounce of heavy oil to sixteen ounces of benzene. The mixing of these  
two liquids gives a bath into which the arti-

cle to be tinted is dipped, forming an even thin layer thereon suitable for the reception of the coloring material. The dipping into the solutions heretofore used was not possible, as the liquid would run upon the surface  
40 after taking out, whereas with my improved mixture the benzene dries so rapidly that the thick sticky oil is retained in place and a perfectly uniform layer of oil obtained.

The advantages of my invention are apparent, since the use of highly-skilled labor is done away with and a better result obtained than was formerly possible.

Many changes may be made in the proportion of the oil and the quickly-evaporating liquid without departure from my invention,  
50 since

What I claim is—

The method of tinting consisting in dipping  
55 an article in a bath, composed of a small quantity of a heavy oil mixed with a liquid of such a character that when removed the liquid will evaporate from the surface of the article so rapidly as to prevent the running  
60 of the mixture upon its surface, removing the article from the bath and allowing the liquid to evaporate, thus leaving a uniform layer of the heavy oil upon the article, and then applying the powdered color to this uniform  
65 layer of oil; substantially as described.

In testimony whereof I have hereunto set my hand.

ARCHIBALD W. PAULL.

Witnesses:

W. B. CORWIN,  
C. BYRNES.