

# United States Patent Office.

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*Letters Patent No. 78,258, dated May 26, 1868.*

## IMPROVED COPYING-INK.

*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, A. G. BUZBY, of Philadelphia, Pennsylvania, have invented an Improved Copying-Ink; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of the combination, with any of the well-known ink-making ingredients, of glycerine or gelatine, or both, and bichloride of mercury, so that copies of documents written with this ink may be obtained by simply applying the written surface to unsized copying-paper, without wetting the same, and without the aid of the usual press.

In order to enable others skilled in the art to make my invention, I will now proceed to describe the mode of manufacturing the same.

A writing-ink is first prepared, by dissolving, in thirty gallons of water, twenty pounds of galls, thirteen pounds of sulphate of iron, three pounds of indigo-paste, and about fifteen pounds of sugar, with which is added gelatine or glycerine, either or both of them, separate, or combined with each other (or with gum) in the proportion of about one-tenth of the whole. To the ink thus prepared is added one-half ounce bichloride of mercury dissolved in one quart of alcohol. The preparation is stirred frequently, until a thorough solution of all the ingredients is effected, when it will be ready for use.

I have found that an ink prepared as above described will not decompose, and that it will remain moist for such a length of time after being applied to paper, that no difficulty is experienced in obtaining a distinct and legible copy, by the application of dry blotting-paper in the usual manner.

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

An ink, composed of water, galls, sulphate of iron, indigo, sugar, gum-arabic, or other well-known ink-making ingredients, in combination with glycerine or gelatine, or both, and bichloride of mercury or its equivalent, the whole being combined in the proportions substantially as described for the purpose specified.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

A. G. BUZBY.

Witnesses:

JOHN WHITE,  
HARRY SMITH.