

(No Model.)

C. E. ADAMSON.
METHOD OF AND APPARATUS FOR PRODUCING COPIED EFFECTS ON
PRINTED MATTER.

No. 531,294.

Patented Dec. 25, 1894.

Fig. 2.

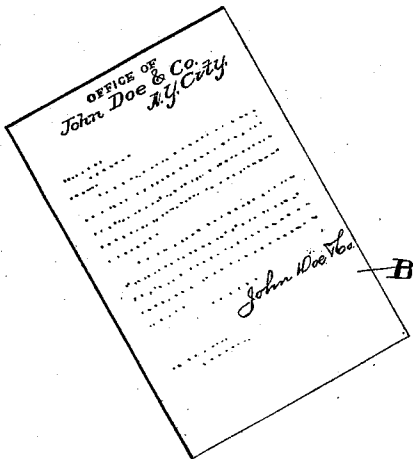


Fig. 1.

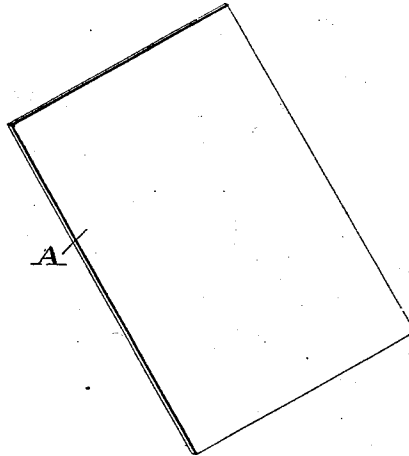
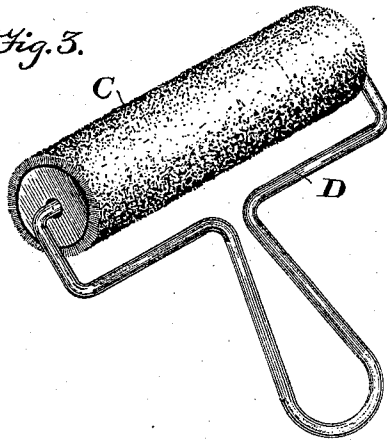


Fig. 3.



Witnesses:

Alvan Macaulay.
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Inventor.

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UNITED STATES PATENT OFFICE.

CHARLES ELLSWORTH ADAMSON, OF MUNCIE, INDIANA.

METHOD OF AND APPARATUS FOR PRODUCING COPIED EFFECT ON PRINTED MATTER.

SPECIFICATION forming part of Letters Patent No. 531,294, dated December 25, 1894.

Application filed August 29, 1894. Serial No. 521,611. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ELLSWORTH ADAMSON, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented a certain new and useful Improvement in Methods of and Apparatus for Producing a Copied Effect on Printed Matter; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in methods and apparatus for producing a "copied" effect on type written and printed matter, and the objects of my invention are to construct a simple and inexpensive apparatus for such work, and to produce the effect in a rapid and uniform manner. I attain these objects by the mechanism illustrated by the accompanying drawings, in which—

Figure 1. is a view of a dampening pad. Fig. 2. is a view of a written or printed letter; and Fig. 3 is a view of the copying roller.

A is a pad made of some soft material such as cloth, blotting paper, or chamois skin. It is usually cut to the size of a letter or note head. This pad is preferably made of such material as sheep or chamois skin, for the reason that it is a great ink absorbing and retaining material.

The roller C is made by covering a wooden roller with a layer or two of fine silk velvet, the velvet being tacked or sewed to retain it to the roller core. A handle D which may be made of wire is attached to the ends of the roller, all as shown in Fig. 3.

In practicing my invention I find that silk velvet is an ink retaining and absorbing material, that it will when dampened give the printed matter a fine "copied" effect and at the same time retain the stain or ink impression it receives and not deposit it on the next sheet of paper. I also find that sheep skin or chamois skin is a still greater ink absorbent and retainer than the silk velvet, and I therefore obtain the best results by making the dampening pad of the chamois or sheep skin as they are the greatest ink retainers that I have been able to find.

In using my invention I wet the pad A,

then roll the roller over it until the velvet is evenly moistened, then lay a printed sheet B near the pad and pass the roller over it once or twice. The roller is then rolled over the pad, and all the fresh ink stain that was not instantly absorbed into the velvet is taken up by the chamois pad on account of it being the greater ink absorbent of the two surfaces. The rolling of the roller over the pad also gives it a fresh supply of moisture, and it is then ready for the next sheet. This operation is carried on and repeated as often as there are sheets to copy.

The object of producing the "copied" effect is to give ordinary printed matter that is printed in imitation typewriter type, in copying ink, the personal appearance of having been written or produced on a typewriter and press copied. The printed matter to be so treated is printed in copying ink from a style of type resembling the style of type used on typewriters. Then a name and address may be supplied to the printed letter or any other matter written on the sheet in a color of ink that will when moistened match the printed part, and then by producing the copied effect as heretofore described on all of the written and printed parts the whole letter will appear as having been written on a typewriter and copied in a regular copy press.

My method may also be used on autograph letters, written or printed.

Having thus described my invention, I claim the following and desire to secure the same by Letters Patent:

A method for producing a copied effect on printed matter consisting, first in rolling the printed sheets with a dampened roller having an ink absorbing and retaining surface and finally rolling the roller over a dampening pad made of a greater ink absorbing and retaining surface for supplying moisture to and removing the ink stains from the said roller, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES ELLSWORTH ADAMSON.

Witnesses:

E. J. TOMLINSON,
E. E. DAUGHERTY.