

J. R. WILSON.  
SAFETY PAPER.  
APPLICATION FILED FEB. 25, 1907.

953,081.

Patented Mar. 29, 1910.

No. *246* CHICAGO *April 15 1906*  
CITIZENS TRUST COMPANY  
PAY TO THE ORDER OF  
*John Jones*  
*Nine Hundred 900/100* DOLLARS  
*\$900.00*  
*100* *Richard Rose*

*a*

Witnesses:  
*Frank Blanchard*  
*Emilie Rose*

Inventor:  
*James R. Wilson,*  
*By Albert N. Graves,*  
*Attorney.*



# UNITED STATES PATENT OFFICE.

JAMES R. WILSON, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO POOLE BROS.,  
OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

## SAFETY-PAPER.

953,081.

Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed February 25, 1907. Serial No. 359,148.

*To all whom it may concern:*

Be it known that I, JAMES R. WILSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Safety - Papers, of which the following is a specification.

This invention relates to improvements in safety papers and refers more specifically to a paper which utilizes both fugitive inks and peculiar surfacing as factors for rendering the paper proof against tampering without detection.

The object of the invention is the usual one, namely to provide a comparatively inexpensive safety paper which, when used for written or printed documents, cannot be altered without detection.

To the above ends the invention consists in the matters hereinafter described and more particularly pointed out in the appended claim.

In carrying out my invention I utilize any suitable paper, and upon this paper I apply a background such as lines, interlaced, wavy or straight, stipple work, or a flat tint, and this background is applied in an ink readily fugitive to any usual chemical reagent. Preferably this background will be dark colored, but it should not be so dense as to interfere with the legibility of the documentary matter subsequently printed or written upon the paper. Over this background I place a coating, which is preferably translucent but may be transparent. This coating is preferably made of any suitable sizing more or less charged with a pigment which renders it translucent. The fugitive lines of the background thus appear dimly through the coating. The regular documentary matter is afterward printed or written on top of the coating in any of the usual ways.

By preparing the paper as described it will be understood that the fugitive background is sandwiched between the body of the sheet and the overlying protecting coating. Should the attempt be made to alter a document written or printed upon this paper by applying a chemical to remove the documentary ink, such chemical will penetrate the sizing and cause the fugitive background to disappear or change in appearance, and

inasmuch as the background is applied directly to the body of the paper beneath said coating it will be practically impossible to remove the documentary matter without disfiguring the sheet. Should the attempt be made to reproduce or replace the background after the original writing or printing has been removed, this will be practically impossible without detection, because it is not only necessary to thoroughly remove the distorted or disfigured fugitive lines but they must be reproduced in exactly the same pattern or shade as the original, and thereafter the peculiar quality, shade of coating and finish exactly imitated in covering the altered spot, in order that the paper may not disclose the tampering when viewed either by reflected or transmitted light.

The invention may, perhaps, be more exactly understood by a description of one practical embodiment, illustrated in the accompanying drawing.

The drawing illustrates the face of an ordinary bank check.

In the drawing the series of closely spaced parallel lines covering the face of the check represent the background; these lines being made light to indicate that they show dimly through the superposed translucent sizing. The check illustrated was originally filled out for the sum of one hundred dollars, and by erasing the letter o in the word "one" and writing in the letters ni, as indicated at a, the word "one" becomes nine. Then by simply changing the numeral 1 in 100 by the addition of the oval the amount becomes 900. The removed or defaced background covering the spot originally covered by the letter o discloses the alteration.

I claim as my invention:

A safety paper consisting of a sheet of paper, a coating of sizing, partly charged with pigment to render it translucent, covering the face of the paper, and a background pattern of waterproof ink fugitive to chemical reagents sandwiched between the front face of the paper and the translucent coating.

JAMES R. WILSON.

Witnesses:

ALBERT H. GRAVES,  
EMILIE ROSE.