May 23, 1933. T. J. SNYDER 1,910,568

DOCUMENT PAPER

Filed April 30, 1932

Fig. 1.

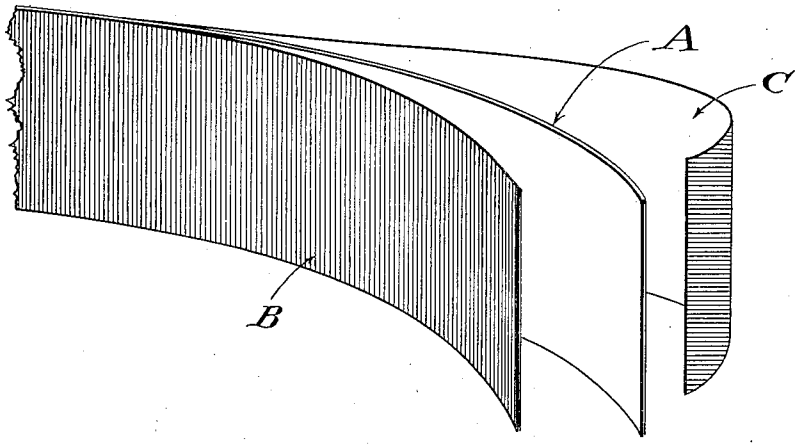


Fig. 2.

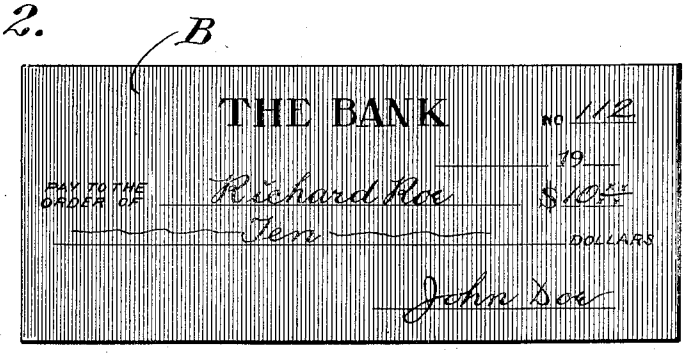
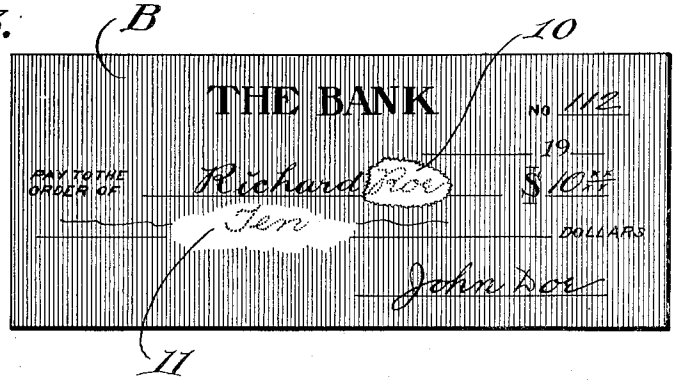


Fig. 3.



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UNITED STATES PATENT OFFICE

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DOCUMENT PAPER

Application filed April 30, 1932. Serial No. 608,535.

My invention relates to document paper which is particularly adapted for use in those documents which embody written data such as names, word and figure amounts of money etc.

It is the purpose of my present invention to provide a document paper of the type specified from which written portions cannot be removed or altered by erasure or the use of chemicals or both without changing the visual aspect of the document to a degree rendering it readily observable that the document has been fraudulently manipulated.

In describing my invention reference will be had to the accompanying drawing wherein like characters of reference denote corresponding parts in the several views, and wherein

Figure 1 is a perspective view disclosing the structural characteristics of my improved document paper;

Figure 2, a face view of a bank check form of my improved paper and with written portions thereon; and

Figure 3, a view similar to Figure 2 showing conditions arising both from attempts to erase and to chemically remove written portions of documents embodying my invention.

Referring to the drawing and particularly to Figure 1, my improved document paper is shown as formed of an intermediate layer of paper A and facing layers of paper B and C. The intermediate layer A is formed of paper having such bibulous texture that ink contacting therewith will readily diffuse therethrough, such texture of the layer A constituting one of the safety elements of my paper. Each of the facing layers B and C are formed of thin tissue paper, the three layers being united to form a single laminated sheet. The exposed faces of the layers B and C in the finished sheet are provided with a fugitive coloring. In this instance I have shown the layer B as red and the layer C as blue.

In Figures 2 and 3 I have shown my improved document paper incorporated in an ordinary bank check with written portions thereon. In applying the written portions the liquid ink used for that purpose readily passes through the layer B and owing to the bibulous texture of the layer A diffuses through the latter. With the foregoing structure and conditions present, it will be apparent that if attempt is made to alter the check by scratching away a section of the written portion, the thin tissue layer B will be ruptured and a readily observable discolored spot 10 will result owing to the difference in the coloring of layer A with respect to the layer B. In addition, the ink of the written portion it is attempted to remove has diffused through the layer A and still remains thus presenting a readable outline of that portion of the writing which was removed by scratching away the layer B. Furthermore, the scratching away of the layer B would leave a discernible hole or recess.

If acids or bleaching agents are employed in an effort to alter a written portion of the check shown in Figure 2, the fugitive coloring of layer B will readily respond to such acids or bleaching agents and leave a discolored spot 11 (Figure 3) while the tissue layer B will wrinkle badly or come off and the outline of the writing which was removed by chemical action from layer B will still be easily visible in layer A wherein it is diffused. Should a continued application of acids or bleaching agents be resorted to for removing the writing outline in layer A, the fibers of the latter will be disturbed and further indicate attempted fraudulent changes and manipulations.

Should attempt be made to alter the check shown in Figures 2 and 3 by operating upon the layer C the same tell tale evidences of fraudulent manipulation heretofore pointed out in connection with layer B will be created.

Any suitable coloring material for the layers B and C may be utilized, so long as it is of a fugitive nature when attacked by acids or bleaching agents.

I claim:

1. A document paper comprising a layer of bibulous paper having a layer of tissue

paper on each side face thereof, each of said layers of tissue paper being provided with coloring material which is fugitive when attacked by acids or bleaching agents.

2. A document paper as in claim 1 wherein the coloring materials of the tissue paper layers are respectively of different tones.

In testimony whereof I hereunto affix my signature.

THEODORE J. SNYDER.