F. W. BROOKS.

Bank Checks, Drafts, &c.

No. 210,089. Patented Nov. 19, 1878.

Fig. 1.

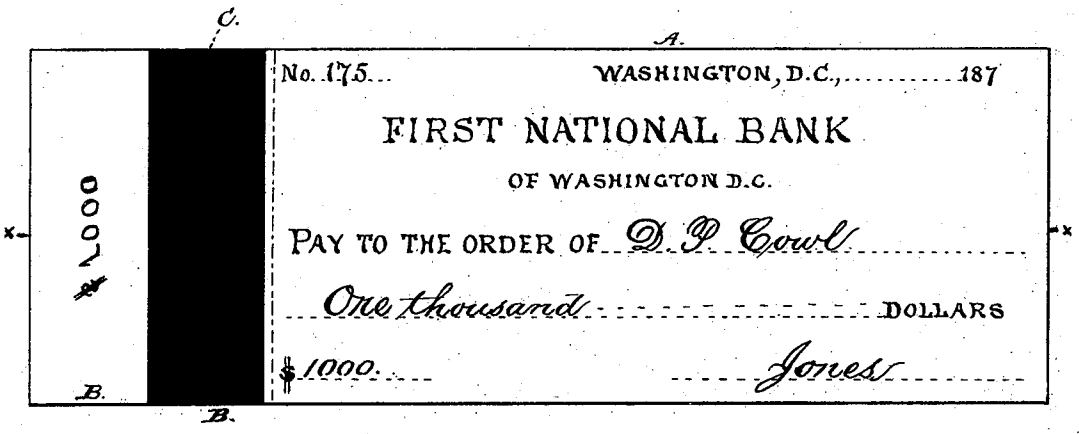


Fig. 3

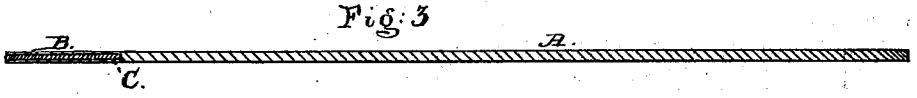
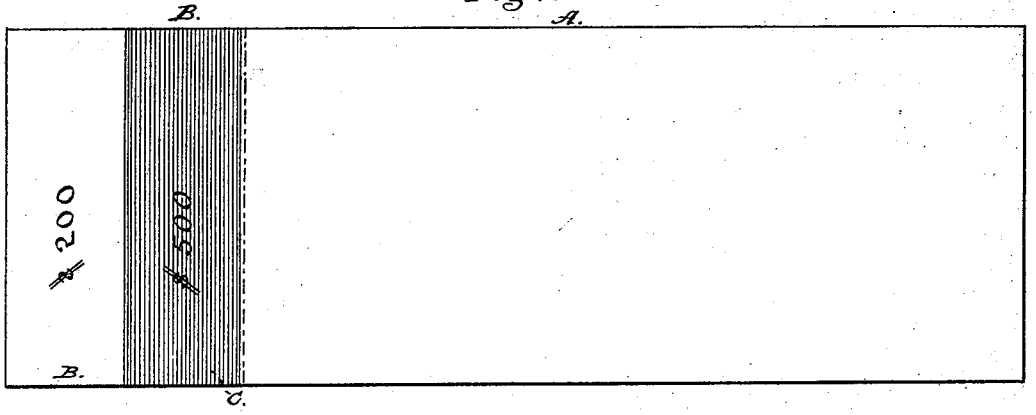


Fig. 2.



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John Tyler

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By atty Wm. C. Wilson

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UNITED STATES PATENT OFFICE.

FRANKLIN W. BROOKS, OF NEW YORK, N. Y.

IMPROVEMENT IN BANK-CHECKS, DRAFTS, &c.

Specification forming part of Letters Patent No. **210,089**, dated November 19, 1878; application filed November 7, 1878.

To all whom it may concern:

Be it known that I, FRANKLIN W. BROOKS, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Bank-Checks, Drafts, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

My invention relates to certain new and useful improvements in bank-checks, drafts, and other evidences of value.

It has for its object to successfully defeat any effort at "raising" the amount written or printed upon the check, draft, &c., or making any other fraudulent alteration; and with these ends and objects in view my invention consists of a check, draft, or other evidence of value printed upon paper having incorporated within its body, in the process of manufacture, a carbon or metal foil, localized strip or film, as will be hereinafter and in detail explained.

Prior to my invention it has been customary, to obtain the ends sought by my invention, to print the check or draft upon paper tinted or treated so that the colors shall be fugitive or sensitive to acid or mechanical treatment necessary in making alterations. It has also been suggested to conceal numbers or identifying-characters within the body of the paper, or by covering surface characters with a cemented covering; but all of the means heretofore employed involve considerable expense and labor without absolute protection.

My invention is designed to be economic in construction and absolutely sure in effect.

And in order that those skilled may more fully understand my invention, I will proceed to describe the same, referring by letters to the accompanying drawings, in which—

Figure 1 is a plan view of a bank-check having incorporated within the body or "stock" of paper a strip of carbon-paper of any size, and located at any point or points. Fig. 2 is a similar view of a check having incorporated within its body a strip or localized piece of tin or other metal foil having a plain or engraved surface. Fig. 3 is a longitudinal section at *x x* of Fig. 1.

In the drawings, A represents the body, and B the "stub," of an ordinary bank-check, and C represents a strip or piece of carbon-paper or metal foil located within the check between the films or layers of pulp during the process of making the paper. This carbon or metal foil may be arranged so that a portion will be concealed within both the stub and the next adjacent portion of the body of the check; or it may be arranged at any other desirable location or locations.

I have shown in Figs. 1 and 2 of the drawings the upper surface or film of the paper turned back so as to expose the concealed carbon and foil, and I have also illustrated the effect produced by writing upon the outside surface of paper over the carbon or foil with an agate point or other suitable instrument.

Instead of locating the ordinary carbon-paper, I may, during the process of making the paper, introduce any material analogous to the carbon, such as colored ribbon; or I may form the interior concealed and localized colored film of any suitable material in the form of paste or powder, the gist of my invention, so far as the introduction of the color-transferring material is concerned, resting in the broad idea of so concealing the same that the act of writing upon the outside surface of the inclosing-paper, over the point where the carbon is located, shall have the effect of causing the latter to transfer or reproduce the writing or characters made upon the inner surface of either or both of the inclosing films or layers of paper, the object of which is to have the transfer or reproduction so located that it cannot be affected by any mechanical or chemical treatment of the outside, and cannot, of course, be approached from within except by a mutilation of the check.

It will be readily comprehended from the foregoing that any alteration made of the outside writing, figures, or characters will result in a record of the same on the inside surface of the covering-paper when carbon is used, and that upon opening that portion of the check (which does not adhere to the inclosed film or carbon) such record may be readily inspected and the fraud detected. I may also so treat that portion of the check where the inclosed coloring matter is located as to render the covering sufficiently transparent or translucent to exhibit clearly the record transferred

by the inclosed coloring material, and in such case avoid the necessity of opening the check to inspect the transfer. The employment of metal foil instead of coloring material has the same general object in view, which is accomplished in a somewhat different manner.

The foil may be plain, or it may be stamped or engraved with straight, irregular, or geometric lathe lines or vignettes; and being sensitive to the action of any pointed or other instrument, it will readily receive the same impression which may be made on the exterior surface of the inclosing-paper. When once impressed, such impression cannot be obliterated, nor can any additional or altered design or marks be made on the exterior surface without correspondingly impressing the foil within, so that it is obvious that upon opening the check the condition of the inclosed foil will readily indicate the fraud.

In addition to the features of protection afforded by the means hereinbefore set forth, I may employ in the manufacture of my improved checks, drafts, &c., any of the well-known safety papers and fugitive inks, &c.

I do not wish to confine myself to any particular kind or quality of paper.

I may also employ, as an additional security, concealed detective numbers, as set forth and described in Letters Patent granted to me April 16, 1878.

I am aware that it is not new to make paper having an interior film of material foreign to the pulp of which the paper is formed; and I am also aware that carbon-paper has been imposed or laid upon the surface of finished paper, so as to become enveloped or inclosed by subsequent folding of the paper, and designed to transfer impressions upon portions to be cut out in the nature of receipts, and do not wish to lay claim to any such construction; but

What I do claim, and desire to secure by Letters Patent, is—

1. A paper having incorporated between the layers of pulp forming its body a localized and independent strip or piece of carbon-paper, or other coloring matter or metal foil capable of receiving or transferring impressions made on the exterior surface of the covering-paper, substantially as and for the purposes set forth.

2. As a new article of manufacture, a bank-check, draft, or other evidence of value printed or formed upon paper having at one or more localities, between the layers of pulp of which the paper is formed, a concealed incorporated piece or film of carbon-paper or other coloring matter or metal foil capable of receiving or transferring impressions made exteriorly, as hereinbefore set forth.

The foregoing specification signed by me this 30th day of October, A. D. 1878.

FRANKLIN W. BROOKS.

In presence of—

WM. C. MCINTIRE,

F. L. FREEMAN.