

UNITED STATES PATENT OFFICE.

FREDERICK M. HILL, OF BROOKLYN, NEW YORK.

SAFETY PAPER FOR CHECKS, DRAFTS, &c.

SPECIFICATION forming part of Letters Patent No. 330,894, dated November 24, 1885.

Application filed April 18, 1885. Serial No. 162,711. (No specimens.)

To all whom it may concern:

Be it known that I, FREDERICK M. HILL, a citizen of the United States, residing at Brooklyn, county of Kings, and State of New York, have invented a certain new safety paper for the purpose of checks, drafts, bills of exchange, and other purposes; and I do hereby declare that the following is a full, clear, and exact description of this new safety paper, which will enable others skilled in the arts to which it appertains to make and use the same.

I take a mixture of ferro-cyanide of manganese and hydrated peroxide of iron and put them into or mix them with the pulp of the paper, or I put the said mixture partly in the pulp and partly in the sizing of the paper; or I put the said mixture of ferro-cyanide of manganese and hydrated sesquioxide of iron into the sizing alone of the paper. The ferro-

cyanide of manganese is turned blue by most acids and brown by caustic alkalies, so that an attempt to alter the writing or change the paper by chemical action produces discolorations in and on the paper. These chemicals above alluded to are put in the paper through the ordinary means used in making paper—that is, mixed in the pulp-vat or sizing-vat, or any other equivalent means in making paper.

What I claim as new, novel, and useful in a safety paper is—

The combination consisting of the paper or pulp or sizing, ferro-cyanide of manganese, and hydrated peroxide of iron, for the purposes above mentioned.

FREDERICK M. HILL.

Witnesses:

HENRY WELLINGTON,
CHAS. E. MIELKE.