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UNITED STATES PATENT OFFICE.

AXEL GUSTAF EMIL LUNDGREN, OF NORRKÖPING, SWEDEN.

PROCESS OF MAKING SELF-COPYING WRITING PAPER.

No Drawing. Application filed January 16, 1922. Serial No. 529,707.

To all whom it may concern:

Be it known that I, AXEL GUSTAF EMIL LUNDGREN, a citizen of the Kingdom of Sweden, residing in Norrköping, Sweden, have invented certain new and useful Improvements in a Process of Making Self-Copying Writing Paper, of which the following is a specification.

This invention relates to a process of making a self-copying writing paper. In the usual process of making copying-paper, the paper on one side is coated with a mixture of wax or paraffin and a colouring-matter. Owing to the fat nature of paraffin and wax the paper at the same time becomes transparent, making the colour visible through the paper in such a way that writing on the opposite side will not be readable.

The object of this invention is now to overcome the difficulty mentioned above. The side of the paper to be coated with the colouring-matter is therefore prepared with an acid, that is capable of transforming paper into parchment-paper, for example sulphuric acid, in order that the paper will not be permeated by the fatty substances. Thus prepared this side of the paper is coated with the mixture whereafter the other side may be used for writing which will be readable even if the paper is very thin.

Paper prepared in the way stated above may be used for type-writing as well as for other writing.

Having now described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A process of making a self-copying writing-paper, which consists in preparing one side of the paper with an acid, that is capable of transforming paper into parchment-paper, and then coating this same side with a colouring matter.

2. A process of making a self-copying writing paper, which consists in preparing one side of the paper with sulphuric acid and then coating this same side with a colouring matter.

In testimony whereof I have affixed my signature.

AXEL GUSTAF EMIL LUNDGREN.

Witnesses:
JEITS ISBERG,
E. JANI.