Patented Nov. 11, 1924.

1,514,677

UNITED STATES PATENT OFFICE.

EUGEN SEYFFERTH, OF BERLIN, GERMANY.

MANUFACTURE OF COPYING FOILS FOR PHOTOMECHANICAL TRANSFERS.

No Drawing. Application filed December 30, 1921. Serial No. 526,049.

To all whom it may concern:

Be it known that I, EUGEN SEYFFERTH, Ph. D., citizen of Germany, residing at 2 Panoramastrasse, Berlin, Germany, have invented a new and useful Improvement in the Manufacture of Copying Foils for Photomechanical Transfers; and I do hereby declare the following to be a full, clear, and exact description of the same.

The invention relates to an improvement in the manufacture of copying foils or films as carriers for photo-mechanical transfers from transparent cellon (acetylcellulose).

In the specification to my prior Patent No. 515,117 of November 14, 1921, I have described a process for subjecting the foils or films of transparent cellon, before the object to be reproduced is printed upon them, for instance hand- or type-writing letter press of illustrations, music or other designs, to a preliminary treatment, which consists in rubbing them with a mixture of glacial acetic acid and acetone.

I have now found that for many purposes it is advantageous to omit the said preliminary treatment and to deaden or dull the foils of transparent cellon, in order to prepare it for the reception of the print to be transferred. If for example, notes of music are printed by hand with metallic punches the punches may easily slip on the polished surface of cellon, as there is not sufficient frictional resistance, and the ink of the punches may be wiped across the surface. This possibility is avoided by employing cellon, having slightly roughened faces.

The deadening or dulling of the said foils may be effected by the well-known methods, for instance by pressing the foils or films between suitably roughened and heated metal plates.

It will be readily understood that I do not limit mself to this treatment, but that any other mechanical or chemical process for deadening or dulling the bright surface of the cellon or other transparent substances in order to adapt them to the reception of the print may be employed within the scope of the claim.

What I claim as my invention and desire to secure by United States Letters Patent is:

A process, comprising submitting the surface of a transparent sheet of cellon to a preliminary treatment with a mixture of glacial acetic acid and acetone, and slightly roughening the surface, whereby to facilitate stamping notes on the thus prepared surface.

In testimony whereof, I have signed my name to this specification in the presence of the two subscribing witnesses.

EUGEN SEYFFERTH.

Witnesses:

A. CONRAD CHAPIN,

HELENE HÖFFERMANN.