

UNITED STATES PATENT OFFICE.

ALOIS KLEMENT, OF HAMBURG, GERMANY.

METHOD OF RENDERING TRANSLUCENT SHEETS OF PAPER, CARDBOARD, AND THE LIKE HAVING DRAWINGS ON IT.

No Drawing.

Application filed March 25, 1920. Serial No. 368,765.

To all whom it may concern:

Be it known that I, ALOIS KLEMENT, a citizen of Germany, residing at Hamburg, No. 14 Bethesdastrasse, have invented new and useful Improvements in Methods of Rendering Translucent Sheets of Paper, Card-board, and the like Having Drawings on It, of which the following is a specification.

My present invention relates to drawings and the like, and has for its object to provide a process for rendering paper, tracing paper, card-board, and the like, having drawings on it, translucent, for the purpose of allowing heliographic prints to be made therefrom. Drawings made on drawing board, such as bristol board, and the like, or on tracing paper, and other kinds of material or paper are not directly suited for the photo-printing process. To render such paper or card-board translucent, according to my invention the sheet is rubbed with a mixture consisting of castor oil and oil of turpentine. Hereby the paper will be thoroughly soaked with oil. After the oil of turpentine has evaporated the paper will be translucent so that it will now be possible to make photo-prints therefrom.

In carrying out the invention the mixture of castor oil and oil of turpentine is applied with a sponge or a rag to the sheet of card-board or the like, and rubbed well into the same. Lines drawn with india ink will not be injured by the mixture and the rubbing in thereof. This rubbing will, on the other hand, remove dirt and pencil marks. Therefore drawings made with pencil

should be rubbed on the reverse side, also printed plans and the like, because the lines on such drawings and plans would be washed away or be paled by the treatment.

On the thus treated drawing one may draw with ink, pencil, india ink, or the like, and every line, even the finest will be clearly visible. Erasures subsequently made may be rendered invisible by a renewed treatment with the mixture. As the mixture will dry quickly, thus treated drawings may at once be photo-printed. Any kind of drawing paper may be treated after the hereinbefore described process, and this treatment will not make the paper wavy or brittle.

What I claim and desire to secure by Letters Patent of the United States, is:

1. A method of rendering translucent, sheets of paper, card-board, and the like, having drawings on it, consisting in treating the sheets with a mixture of castor oil and oil of turpentine.

2. A method of rendering translucent, sheets of paper, card-board, and the like, having drawings on it, consisting in treating the sheets with a mixture of castor oil and oil of turpentine, and allowing the oil of turpentine to evaporate.

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

ALOIS KLEMENT.

Witnesses:

FRIEDRICH JULIUS POTH,
ARNOLD HEINRICH RUDOLF VOSS.