

UNITED STATES PATENT OFFICE.

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COMPOSITION OF MATTER.

No. 878,662.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ROBERT F. NOWALK, a citizen of the United States, and a resident of Mount Vernon, in the county of Westchester and State of New York, have invented a certain new and useful Composition of Matter, of which the following is a specification.

My new composition of matter is to be used for removing inks and other marking fluids from tracing cloth and the like and consists of: acetic acid (70%) 70 parts. Sweet spirits of niter 29 parts. Glycerin $\frac{1}{2}$ parts. Carbon bi-sulfid $\frac{1}{2}$ parts. These ingredients are to be thoroughly mingled by agitation. A variation of 10% of the acetic acid and of the spirits of niter is allowable as well as a slight variation in the percentage of the glycerin and carbon bi-sulfid. I have found that acetic acid alone will serve, but I prefer to add the sweet spirits of niter which acts as a drier and has, to a slight extent, an action upon the ink. I may omit also both the glycerin and the carbon bi-sulfid; the former assisting in making a finish on the cloth where the ink has been removed, and the latter serving to modify the disagreeable odor of the acetic acid.

In using the above-named composition the ink to be removed from the tracing cloth is gently rubbed by a piece of soft cloth soaked with the said composition; or with a brush or sponge moistened therewith. This is then dried up with a piece of blotting paper, or with a clean dry piece of cloth. If rubbed after dry, the finish of the tracing cloth is to a great extent restored.

To remove a portion only of a line or some other specific part of drawings, a number of pieces of blotting paper with glazed upper surfaces, or other pieces of paper are placed about the part to be removed so as to isolate it from the rest, and the ink then wiped out as explained above.

My new composition is colorless and there-

fore does not stain the cloth upon which it is used; neither is it sticky; nor does it impair the surface of the cloth. If applied to the dull side of the tracing cloth, which is the side usually traced upon, its effect upon the cloth is hardly noticeable. If applied to the glazed side, the glaze is destroyed, but may be partly restored by rubbing. It will quickly and readily remove inks and marking fluids or colors which stay only on the surface of the cloth and do not enter into the cloth itself.

I claim:

1. The herein described composition of matter, containing: an acid; and sweet spirits of niter, substantially as described and for the purpose specified.

2. The herein described composition of matter, consisting of: acetic acid; and sweet spirits of niter, substantially as described and for the purpose specified.

3. The herein described composition of matter, consisting of: acetic acid; sweet spirits of niter; and glycerin, substantially as described and for the purpose specified.

4. The herein described composition of matter, consisting of: acetic acid; sweet spirits of niter; glycerin; and carbon bi-sulfid, substantially as described and for the purpose specified.

5. The herein described composition of matter for removing ink from tracing cloth and the like, consisting of: 70 parts of acetic acid; 29 parts of sweet spirits of niter; $\frac{1}{2}$ part of glycerin; and $\frac{1}{2}$ part of carbon bi-sulfid, substantially as described and for the purpose specified.

Signed at New York in the county of New York and State of New York, this 27th day of March A. D. 1907.

ROBERT F. NOWALK.

Witnesses:

FREDK. F. SCHUETZ,
SALLY O. YUDIZHY.