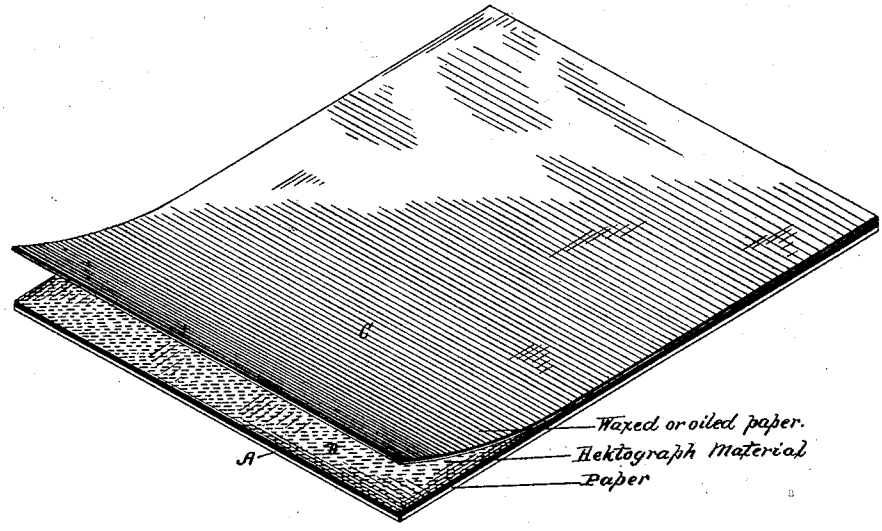
(No Model.)

R. H. SMITH.

PRODUCTION OF HEKTOGRAPHS.

No. 342,142. Patented May 18, 1886.



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UNITED STATES PATENT OFFICE.

ROLAND H. SMITH, OF PITTSBURG, PENNSYLVANIA.

PRODUCTION OF HEKTOGRAPHS.

SPECIFICATION forming part of Letters Patent No. 342,142, dated May 18, 1886.

Application filed June 24, 1885. Serial No. 169,636. (No model.)

To all whom it may concern:

Be it known that I, ROLAND H. SMITH, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in the Production of Hektographs, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in the manner or method of producing copying-sheets for multiple copies, and is designed to produce a device of cheap and simple construction for the purpose.

In setting forth the method reference is had to the annexed drawing, representing a perspective view of the finished article produced by the said method, and aiding in specifying the various steps of the process.

The first step of my process is to heat a sheet or sheets of paper, the kind making no difference, or a sheet or sheets of cloth. The paper is used for small copies—such as letters—while the cloth is used for large copies of any character. The second step is to place or flow upon the heated sheet or sheets the hektograph material until a thin even surface is obtained. The said material may be placed upon the sheet and the heat then applied till the desired surface is obtained. When cool, and the hektograph surface sufficiently solid, I then place upon it a sheet of thin or tissue paper first saturated with wax or glycerine or other similar substance, glycerine having been found to give the best results. The sheets, each of which forms a perfect hektograph, may then be packed for shipment, or bound into books, forming, if they may be so called, "reproducing letter-books." The waxed or similarly-prepared paper or equivalent substance thoroughly protects the hektograph-surface and prevents one sheet sticking to the other, while not interfering with the said surface, it being removed and replaced at pleasure. Neither the hektograph material nor the ink used thereon will adhere to the waxed or oiled paper.

The surface may be washed and a new copy prepared, though the cheapness of the prepared sheets will admit of their being kept for reference and future copies of the one impression, and new sheets used for new copies. This is one of the most important points and advantages of the invention.

Referring to the drawing, A represents the paper or cloth sheet, B the hektograph-surface thereon, and C the waxed or oiled paper.

It is sometimes desirable to cover both sides of the sheet with the material—as, for instance, when the said sheets are put up in book form.

I claim—

The method herein described of forming copying-sheets, consisting in first heating a sheet or sheets of paper or other material, and then covering the surface thereof with a hektograph material thinly laid on, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

ROLAND H. SMITH.

Witnesses:
DAVID P. BLACK,
SAML. W. BLACK.