

UNITED STATES PATENT OFFICE.

WINAND DOCTOR, OF ZABERN, GERMANY.

HECTOGRAPH COMPOSITION.

No. 886,771.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed March 31, 1906. Serial No. 309,229.

To all whom it may concern:

Be it known that I, WINAND DOCTOR, a subject of the King of Prussia, Germany, residing at Zabern, in Alsace-Lorraine, have invented a certain new and useful Hectograph Composition, of which the following is a specification.

My invention relates to a process for the preparation of a hectograph material. The material hitherto used for hectographs required a long time until the writing had sunk in and a new imprint could be effected and also a special ink for the writing. Moreover the material often did not possess the necessary moisture in order to cause the paper to adhere properly at all times so that the keeping of it was only possible in moist places.

By my invention it becomes possible to make use of the printing surface for various imprints following one immediately after the other, inasmuch as the imprint can be washed off so that every trace of it disappears. Moreover the mass remains permanently moist, thus assuring a good attachment of the paper so that it is even desirable to remove a portion of the moisture before printing.

For preparation of the material there is mixed 73.909% china clay (a sort of porcelain earth) with 2.313% bole (blue and red) and 0.692% stand oil and 23.09% glycerin (yellow technical glycerin) all mixed inti-

mately together, whereupon the mass can be immediately pressed into the appropriate boxes. Experiments have proved, that especially a mixture of the following weights will give an advantageous result, namely 8 kilograms china clay, 250 grams bole, 75 grams stand oil and 2½ kilograms of 24% commercial glycerin. In place of the bole may be used also ochre, English red or blue. Bole prevents the paper from rolling when the latter is drawn off and stand oil retains the humidity so that a drying up does not occur so rapidly. If only china clay and glycerin are mixed, the mass becomes dry within a short time. By stand oil is meant linseed oil which obtains a higher degree of concentration by means of being allowed to stand for some length of time.

Having now particularly described and ascertained the nature of my invention, I declare what I claim is:

A hectograph composition comprising china clay, bole stand oil and glycerin, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

WINAND DOCTOR.

Witnesses:

SIEGFRIED F. HAUSER,
BENJAMIN WEILL.