UNITED STATES PATENT OFFICE.

HERMAN KRUSE, OF JERSEY CITY, NEW JERSEY.

TRANSFER-PAPER AND INK THEREFOR.

1,393,142. Specification of Letters Patent. Patented Oct. 11, 1921.

No Drawing. Application filed April 1, 1920. Serial No. 370,531.

To all whom it may concern:

Be it known that I, HERMAN KRUSE, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Transfer-Papers and Inks Therefor, of which the following is a specification.

My invention relates to improvements in transfer papers, and more particularly has reference to the ink to be applied thereon. Heretofore it has not been possible to ink these papers in a printing press owing to the stiff and hard character of the ink which does not transfer properly from the rolls and does not work as printing ink should do owing largely to the considerable amount of paraffin used in the manufacture of such material.

According to a preferred embodiment of my invention I prefer to mix about 54 parts by weight of mineral oil such as paraffin oil with about 45 parts by weight of stearin pitch also known as ink maker's pitch, and also about 4½ parts by weight of paraffin wax. This forms the vehicle. I now prefer to add to about 100 lbs. of this vehicle, about 20 lbs. of carbon or lamp black and then grind the entire mixture on a printing ink mill and apply the ink thus made to the surface of the paper by a printing press. The transfer sheets thus made will be found to readily transfer impressions from pencil, stylus, stiff pen, or the like, although this form of transfer sheet is not the kind usually employed for typewriting purposes.

Of course it will be understood that various modifications may be made in the several ingredients and the proportions of the same and in the manner of combining the same without departing from the spirit of the invention as claimed.

I claim:

1. In a transfer ink, stearin pitch as part of the vehicle thereof.

2. In a transfer ink, paraffin and pitch ground with carbon.

3. In a transfer ink, about 54 parts mineral oil, about 45 parts stearin pitch, and about 4½ parts paraffin wax combined in the proportion about 100 lbs. of the same to about 20 lbs. of carbon black color base.

4. A transfer sheet having on one side a transferable coating containing pitch, paraffin and a black color base.

5. A transfer sheet coated on one side with a mixture of mineral oil, stearin pitch, paraffin wax, and carbon black.

In testimony whereof I hereunto affix my signature.

HERMAN KRUSE.