

UNITED STATES PATENT OFFICE.

RICHARD H. ROGERS, OF NEW YORK, N. Y.

IMPROVED INK FOR HAND-STAMPS, &c.

Specification forming part of Letters Patent No. **42,405**, dated April 19, 1864.

To all whom it may concern:

Be it known that I, RICHARD H. ROGERS, of 81 North Moore street, of the city, county, and State of New York, have invented a new and Improved Ink, which I call "Pulp-Ink," for use on or in canceling or other stamps, and for other purposes; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of this invention is to obtain an ink suitable for use on or in canceling-stamps, and for other purposes, the coloring-matter of which will not separate itself from the menstruum, and which will always be in condition for use, and which may be applied to a stamp or other device for producing an impression without the use of a pad; and to this end it consists in the admixture, with coloring-matter and a menstruum to form an ink, of the fiber or dust of leather, by which the ink is brought to the condition of a permanent pulp, throughout which the coloring-matter is uniformly distributed.

It also consists in the addition to such ink of paper-sawdust, or finely-reduced paper, and cork-dust, or finely-reduced cork, either separately or together, when desired, to give the ink greater solidity, and to prevent the leather fiber from adhering to the face of the stamp or printing device.

The coloring-matter used in ink may be of any kind—mineral, vegetable, or animal—according to the color or tint required, and the menstruum may consist of vegetable, mineral, or animal oil or other liquid, or a mixture thereof, according as the coloring-matter is of a more or less drying quality. The coloring-matter and the menstruum are ground or otherwise mixed together in a fluid or semi-fluid state, and a suitable quality of the finely-reduced fiber of leather is added to make a stiff pulp. This fiber or dust of leather is obtained by grinding fullered or oil-dressed leather in a dry state upon the revolving surface of an emery-wheel or other rough surface. The whole is then ground together in a paint-mill, or by other means, to incorporate the leather fiber or dust with the coloring-matter and menstruum and make a uniform pulp. When

the paper-dust or cork-dust, or finely-reduced paper or cork, or both of those materials, are added, they are ground up with the leather fiber or dust, the coloring-matter, and the menstruum, as above described. The paper-dust may consist of the paper-sawdust obtained from book-binderies, and the cork-dust be obtained from cork-cutters, or produced by grinding cork upon a wheel or rough surface, such as I have described for reducing the leather, or by any suitable means of reducing cork to powder. When the cork and paper, or either of them, is added, a quantity not exceeding twenty per cent., by weight, of the quantity of leather will generally be sufficient.

The pulp-ink, without the paper and cork, is best adapted for use in the fountain or self-inking stamp which constitutes the subject-matter of my Letters Patent of December 8, 1863; but for use with an ordinary stamp or printing-surface I prefer generally to add either or both the paper and cork.

To use the pulp-ink for ordinary stamps or printing-surfaces, it is placed in a shallow pot, box, or vessel and the face of the stamp pressed upon it in the same manner as upon a pad or cushion upon which other ink is placed for use. In this way it can be used until very nearly all the coloring-matter is extracted from the pulp, the ink remaining in good condition to the last, and the loss or waste from what remains in, the pulp being almost unappreciable and a mere nothing to what is lost or wasted in the use of other inks. When the coloring-matter is all spent, the pulp may be thrown away.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The admixture with a coloring-matter and a menstruum of the fiber or dust of leather to produce a pulp-ink, substantially as herein described.

2. In combination with the use of the fiber or dust of leather in an ink, the use of finely-reduced paper or cork, or both of those ingredients, substantially as herein specified.

RICH. H. ROGERS.

Witnesses:

M. M. LIVINGSTON,
GEO. W. MILLER.