

# United States Patent Office.

LOUIS PRANG, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 113,343, dated April 4, 1871.

## IMPROVEMENT IN PRINTING SILKS AND OTHER TEXTILE FABRICS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, LOUIS PRANG, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Preparing Silk and other Textile Fabrics for Printing; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

My invention has for its object to facilitate the proper printing of silks, laces, and other textile fabrics of a pliable character in one or more colors; and

My invention consists in temporarily backing or mounting the fabric to be printed with paper or other suitable stiff material, in such a manner as to impart to the fabric the necessary firmness, so that it may be made to "register" properly during the printing operation, as hereinafter more fully described.

In preparing the fabric for printing I take paper or other suitable material having the necessary firmness and thickness, and cover it with a light coating of paste or other suitable adhesive material, and allow it to dry. When about to be used the backing thus prepared is dampened, and the fabric which is to be printed is spread smoothly upon the backing.

The printing of one or more colors is then done in the ordinary manner; the temporary stiffness afforded by the backing permits the accomplishment of a perfect register on the press.

When the printed color or colors have become dry, the mounted and printed fabric is placed between

damp sheets of paper or other damp material until the adhesive material of the backing has become so softened as to permit the printed fabric to be easily removed from the backing. Any other suitable method of dampening the backing may be employed.

This invention facilitates the printing in proper register of various colors the most delicate and pliable fabrics.

The improvement is therefore especially adapted to the printing of chromatic pictures and designs upon pliable fabrics of all kinds.

A great difficulty heretofore encountered in such printing has been the lack of a good means of maintaining the register during the printing.

Each color printed requires a different impression to be given to the fabric, and if the register is not perfect the colors will be printed in the wrong places, and the effect of the picture, design, or print will be lost and the work spoiled.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The process of imprinting colors upon textile fabrics, by applying thereto a paper back coated with dried paste dampened just before the fabric is attached; then imprinting it, and again dampening and detaching the fabric from the paper, all as described.

Witnesses:

S. R. KOEHLER,  
H. WERLITZ.

LOUIS PRANG.