

# UNITED STATES PATENT OFFICE.

RICHARD HUDSON, OF CHORLTON CUM HARDY, HENRY GRIMSHAW, OF MANCHESTER, AND CHRISTOPHER CRONSHAW, (EXECUTOR OF JOHN BRIGGS, DECEASED,) OF BOLTON, COUNTY OF LANCASTER, ENGLAND.

## IMPROVEMENT IN PROCESSES OF TRANSFERRING PATTERNS TO FABRICS.

Specification forming part of Letters Patent No. **220,619**, dated October 14, 1879; application filed July 10, 1879.

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

Be it known that we, RICHARD HUDSON, of Chorlton cum Hardy, HENRY GRIMSHAW, of Manchester, and JOHN BRIGGS, (CHRISTOPHER CRONSHAW, executor,) of Bolton, all in the county of Lancaster, England, have invented new and useful Improvements in Ornamenting and Transferring Patterns to Fabrics, of which the following is a specification.

In domestic embroidery it is customary to use a paper upon which the pattern to be embroidered is printed from a surface-block or otherwise. This paper is stitched upon the fabric to be embroidered, and when the embroidery is complete the paper upon which the pattern had been printed is torn out.

Our invention consists in transferring the pattern to the fabric to be ornamented or embroidered by printing the pattern-paper from a surface-block or otherwise, as usual, with the design to be produced in a bituminous substance or varnish, and transferring the said pattern to the fabric when required by the application of heat to the back of the paper on which the pattern has been printed in bituminous substance or varnish, thereby causing the bitumen or varnish to adhere to the fabric to be ornamented or embroidered.

By means of this invention a beautiful, clear pattern of any color is marked on fabrics,

and when the pattern is to serve as a guide for embroidery the trouble of tearing away the paper, as now customary, is avoided, and cleaner work is obtained.

Another advantage of this invention is, that parties buying the pattern-papers can apply them to the fabric and produce the same impression as by block.

We do not limit ourselves to any special process or apparatus for printing the patterns in bituminous substance or varnish on the pattern-paper, as they may be printed by blocks or cylinders, or otherwise.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

As an improvement in ornamenting or transferring patterns to fabrics, printing the patterns with any bituminous substance or varnish of any color on the pattern-paper, and transferring them to the fabric by the application of heat, substantially as described.

RICHARD HUDSON.  
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*Executor.*

### Witnesses:

C. A. BARLOW,  
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