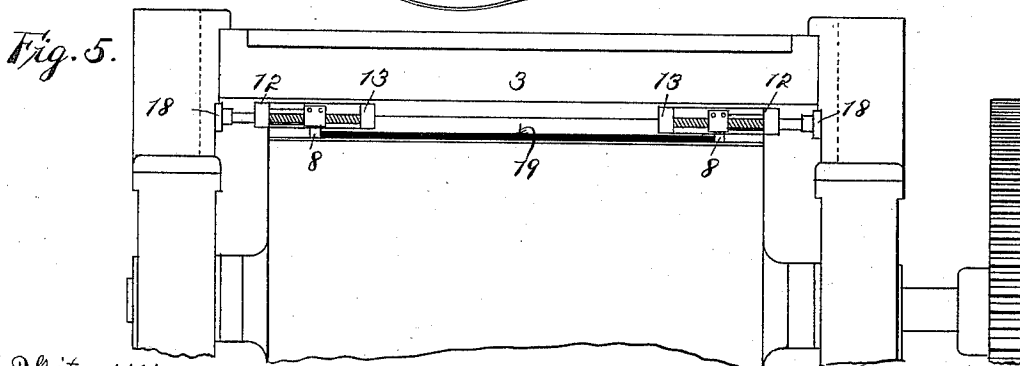
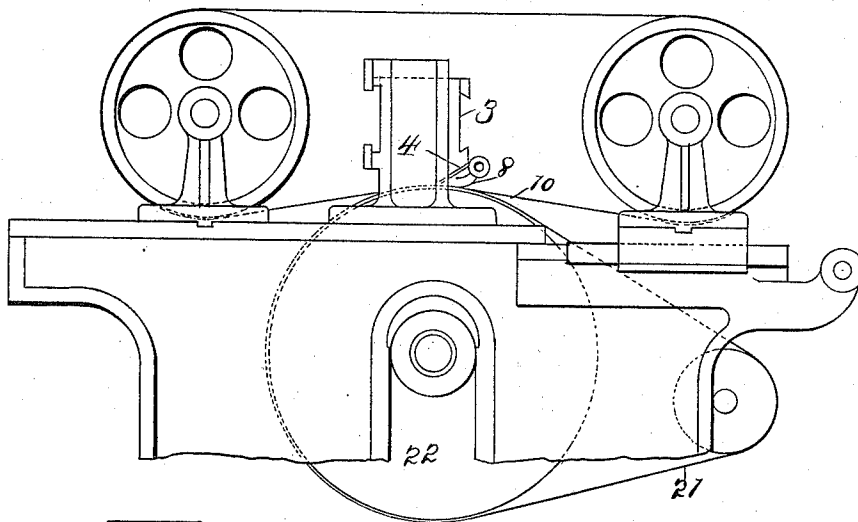


2 Sheets—Sheet 1.

No. 579,016.

Patented Mar. 16, 1897.



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(No Model.)

2 Sheets—Sheet 2.

S. H. SHARP.
FABRIC PRINTING MACHINE.

No. 579,016.

Patented Mar. 16, 1897.

Fig. 6.

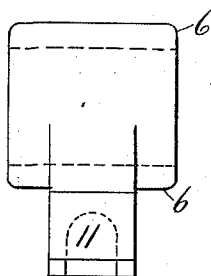


Fig. 7.

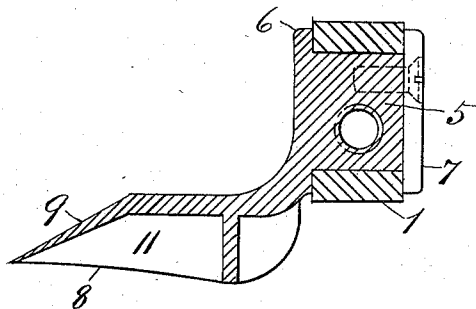
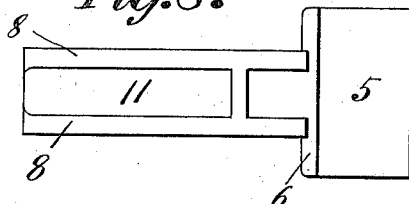


Fig. 8.



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UNITED STATES PATENT OFFICE.

SAMUEL HOLT SHARP, OF LEEDS, ENGLAND.

FABRIC-PRINTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 579,016, dated March 16, 1897.

Application filed March 19, 1896. Serial No. 583,989. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL HOLT SHARP, a subject of the Queen of Great Britain and Ireland, residing at Leeds, in the county of York, England, have invented Improvements in Fabric-Printing Machines, of which the following is a specification.

This invention relates to machines in which a bronzing liquid is used for producing patterns or designs on fabrics by means of an endless stencil-sheet, between which and an endless blanket the fabric to be treated is passed and through which the bronzing liquid is pressed by a fixed spring-presser; and it has for its object to prevent such bronzing liquid from flowing laterally on the stencil-sheet beyond the patterns cut or engraved there-through or beyond the edges of the fabric and thereby spoiling the fabric or the blanket. For this purpose I provide the machine with means hereinafter called "plows," constructed and arranged as I will now proceed to explain by reference to the accompanying drawings, wherein—

Figure 1 shows a cross-section through the presser of a fabric-printing machine of the kind referred to provided with plows according to this invention. Fig. 2 is an elevation of one of the plows and means for supporting and adjusting the same. Fig. 3 is a partial plan of the supporting means. Fig. 4 is a partial side elevation of a fabric-stenciling machine provided with plows according to this invention, and Fig. 5 is a partial front elevation thereof. Figs. 6, 7, and 8 are respectively an end view, longitudinal section, and plan showing to a larger scale than the remaining figures one of my plows and attached parts.

The apparatus illustrated comprises a guide-frame 1, consisting of a pair of connected transverse bars, Figs. 1, 2, and 3, secured by means of screws 2, Fig. 3, to the stock 3, on which is mounted the fixed spring-presser 4. In the frame 1 is placed a slide-block 5, provided with flanges 6, which bear against the rear faces of the said transverse bars, and also with a cap 7, which bears against the front faces thereof.

8 is the plow, which is attached to or formed in one with the slide-block 5. The upper

part 9 of the plow fits against the presser 4, and its under surface fits against the endless stencil-sheet 10, the plow being furnished in its under side with a receptacle 11, which is charged with a lubricant to prevent the plow from damaging the stencil-sheet.

The end portions 12 and 13 of the frame 1 form bearings for a screw 14, which is free to turn, but is prevented from moving endwise by the point of a set-screw 15, which engages in an annular groove 16, formed in the said screw. The screw 14 works in a corresponding screw-threaded hole 17 in the slide-block 5, which can consequently be moved endwise in either direction by suitably rotating the screw 14 by means of its hand-wheel 18.

A plow such as described is secured on each end of the stock 3, as shown in Fig. 5. The plows are set by means of their hand-wheels 18 at such a distance apart that they will not allow the bronzing liquid 19 to extend either beyond the engraved or cut-out portion of the stencil-sheet or beyond the edges of the fabric under treatment when such fabric is of less width than the engraved or cut-out portion of the stencil-plate.

20 is the endless blanket, between which and the stencil-sheet the fabric to be printed is pressed, and 21 is the driving-roller, over which the stencil-sheet, fabric, and blanket work and which is forced toward the presser 4, so as to compress the fabric partly into the openings in the stencil-sheet.

What I claim is—

In a fabric-printing machine, of the kind herein referred to, the combination with an endless stencil-sheet, an endless blanket, and a presser, of laterally-adjustable plows mounted near the ends of said presser and each provided with a lubricant-receptacle in its under side, substantially as herein described for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL HOLT SHARP.

Witnesses:

HAMILTON TURNER,
ROBERT EDWIN PEACOCK CRAVEN.