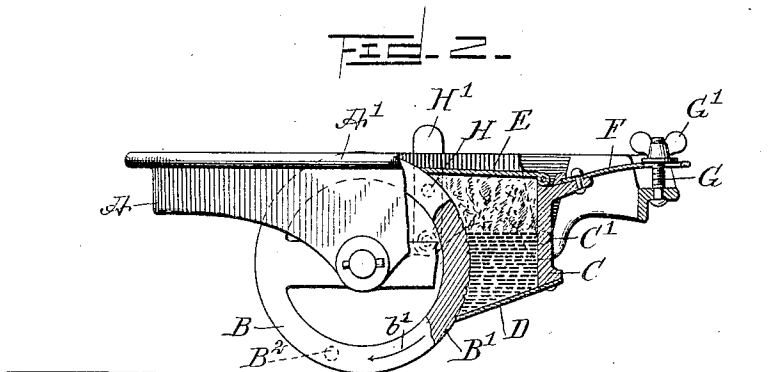
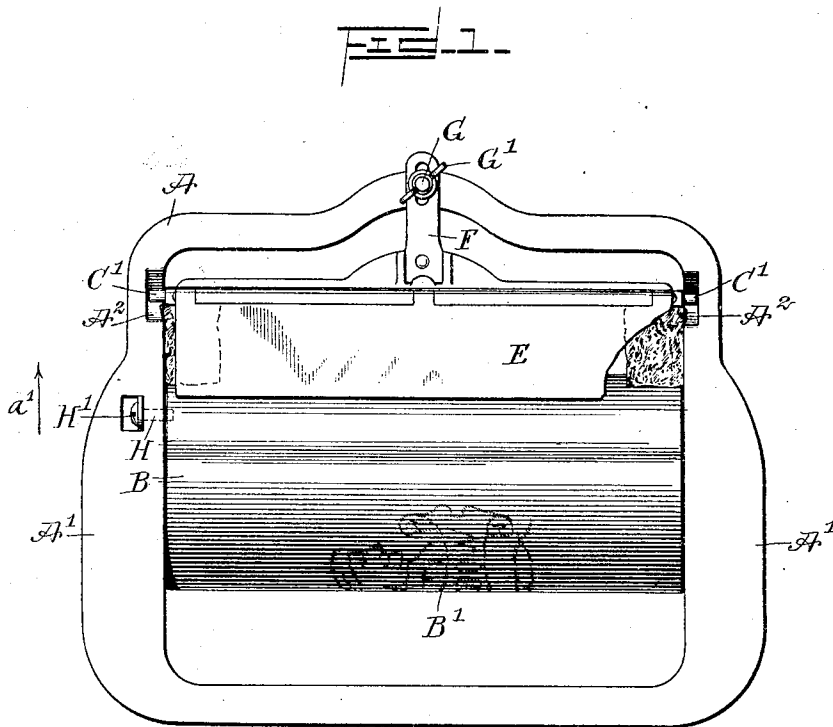


No. 809,018.

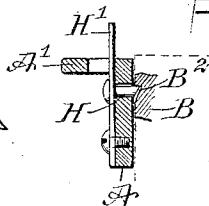
PATENTED JAN. 2, 1906.

W. SCOTT.
 ROLLER STAMPING DEVICE.
 APPLICATION FILED JULY 15, 1905.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM SCOTT, OF NEW YORK, N. Y., ASSIGNOR TO KAUMAGRAPH CO.,
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ROLLER STAMPING DEVICE.

No. 809,018.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed July 15, 1905. Serial No. 289,870.

To all whom it may concern:

Be it known that I, WILLIAM SCOTT, a subject of the King of Great Britain, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Roller Stamping Device, of which the following is a full, clear, and exact description.

The invention relates to devices for permanently stamping textiles and garments—such as fabric piece goods, underwear, stockings, and the like—with the names of the manufacturers or with emblems, trade-marks, or other matter, usually with a view to indicate the origin of the goods.

The object of the invention is to provide a new and improved roller stamping device for providing the textile material with the desired imprint or mark in a very simple and quick manner.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the improvement, parts being broken out. Fig. 2 is a side elevation of the same, partly in section; and Fig. 3 is a cross-section of the locking device for the roller-stamp.

In an open frame A is journaled a stamp B in the form of a roller, preferably made of metal and provided on its peripheral surface with signs, characters, emblems, and like means representing a unitary mark B' in intaglio, the mark being preferably produced by engraving the same in the peripheral surface of the roller-stamp B.

The sides of the main frame A are provided with handles A', adapted to be taken hold of by the operator for the latter to manipulate the device with a view to cause the roller-stamp B to travel over the textile material to be stamped, and as said mark is filled with ink it is evident that an imprint of the mark is produced on the fabric.

The ink employed is usually of an indelible nature and is contained in a fountain C, arranged adjacent to the roller-stamp B, as plainly illustrated in the drawings. The sides

of the fountain C are provided with trunnions C', journaled in suitable bearings A², carried on the sides of the frame A, and the bottom of the fountain C is provided with a doctor D, the free edge of which is in peripheral contact with the roller-stamp B to keep the peripheral surface, except the mark B', free of ink, while ink is only contained in the mark B', and consequently when the roller-stamp B is rolled off on the fabric the ink contained in the mark B' is transferred to the soft pliable fabric material, which readily takes up the ink in the form of a mark corresponding to the mark B'. The fountain C is closed on top by a suitable cover E, and from the rear end of the fountain extends a spring-arm F, engaged by a screw-rod G, held on the frame A and having its nut G' engaging the spring-arm F. By screwing the nut G' downward the spring-arm F is pressed, and consequently the fountain C is swung so as to bring the free edge of the doctor D with more or less force in contact with the peripheral surface of the roller-stamp B. This adjustment of the fountain C and its doctor D is necessary to keep the mark B' filled with ink and the remaining peripheral surface of the roller-stamp free of ink.

After the roller-stamp B has rolled off the fabric material and made an impression thereon it is desirable to stop the rotation of the roller-stamp after complete revolution thereof has been made, and for this purpose a locking device is provided, preferably in the form of a locking-pin H, held on a spring-arm H', secured on one side of the frame A and projecting above the top surface thereof to be within convenient reach of a finger of the operator having hold of the handles A'. The locking-pin H is adapted to snap into a recess B², formed at one end of the roller-stamp B to hold the latter against rotation, it being understood that the said recess B² and the pin H are placed in such position relative to the mark B' that the latter extends outside the fountain C at the time the pin H is in engagement with the recess B². By the arrangement described the roller-stamp B after making one complete revolution is locked against further rotation, thus preventing another imprint on the same piece of goods in case the operator should move the frame A too far at a time.

In using the device the fabric material on which the imprint is to be made is preferably

placed on a soft or cushioned support, and then the operator takes hold of the handles A' and places the device over the fabric material with the bottom of the roller-stamp resting on the fabric material. The roller-stamp is now unlocked by the operator pressing the arm H' outward, and then the frame A is moved forward in the direction of the arrow a', and a slight downward pressure is exerted by the operator to cause the roller-stamp to turn by contact with the fabric material and in the direction of the arrow b'. Now as the roller-stamp rolls over the fabric material the mark B' passes through the ink in the fountain C, and the doctor scrapes off all surplus ink, so that finally the mark B' filled with ink passes over the fabric material and an impression is made, it being understood that the soft fibrous material readily takes up the ink from the mark, and this mark is thus reproduced on the goods. When the roller-stamp has made a complete revolution, the locking-pin snaps into the recess B' to hold the roller-stamp against further turning, thus preventing a repetition of the imprint on the same piece of goods.

It is understood that when the roller-stamp B is locked against rotation by the pin H the mark B' is outside of the fountain C, and after the roller-stamp is unlocked and the device used as above described then the mark B' passes through the fountain C to take up the ink for the impression to be made at the time.

The device shown and described is very simple and can be very readily manipulated by an operator with a view to make a large number of impressions on the goods in a comparatively short time.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A roller stamping device comprising a hand-frame, a roller-stamp journaled thereon and provided in its peripheral face with a mark in intaglio, and an ink-fountain held on the said hand-frame adjacent to the said roller-

stamp, the ink-fountain having a doctor in engagement with the peripheral face of the said roller-stamp.

2. A roller stamping device comprising a hand-frame, a roller-stamp journaled thereon and provided in its peripheral face with a mark in intaglio, an ink-fountain held on the said hand-frame adjacent to the said roller-stamp, the ink-fountain having a doctor in engagement with the peripheral face of the said roller-stamp, the said ink-fountain being pivoted on the frame, and means pressing the said fountain to hold the doctor with more or less force in contact with the roller.

3. A roller stamping device comprising a hand-frame, a roller-stamp journaled thereon and provided in its peripheral face with a mark in intaglio, an ink-fountain held on the said hand-frame adjacent to the said roller-stamp, the ink-fountain having a doctor in engagement with the peripheral face of the said roller-stamp, the said ink-fountain being pivoted on the frame, a spring-arm extending from the said ink-fountain, and an adjusting device on the frame and engaging the said spring-arm.

4. A roller stamping device comprising a hand-frame, a roller-stamp journaled thereon and provided in its peripheral face with a mark in intaglio, an ink-fountain held on the said hand-frame adjacent to the said roller-stamp, the ink-fountain having a doctor in engagement with the peripheral face of the said roller-stamp, and a spring-arm held in the frame and provided with a locking-pin engaging a recess in one end of the said roller-stamp to lock the latter against rotation until released and to automatically lock the roller-stamp on the completion of a revolution.

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

WILLIAM SCOTT.

Witnesses:

HUGH BROWN,
L. E. HICKS.