A. L. BAUMAN & E. O. STOPP.

MARKING OR STAMPING DEVICE.

APPLICATION FILED JULY 5, 1912.

1,070,763. Patented Aug. 19, 1913.

Fig. 1.

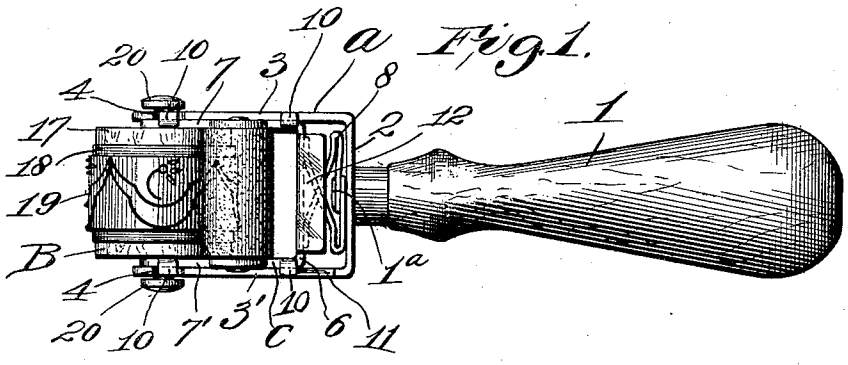


Fig. 2.

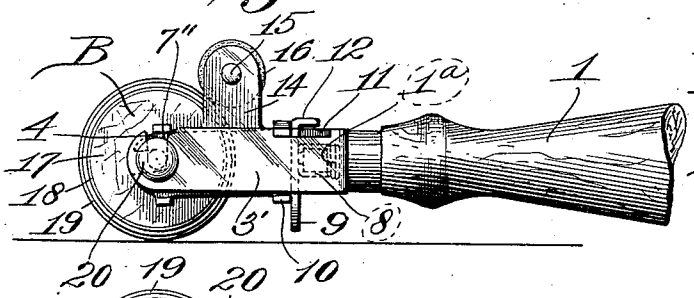


Fig. 3.

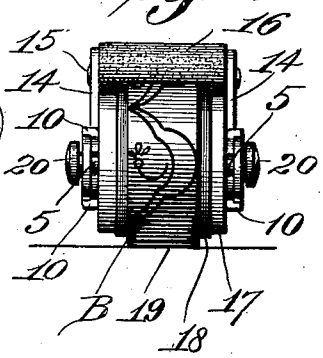


Fig. 4.

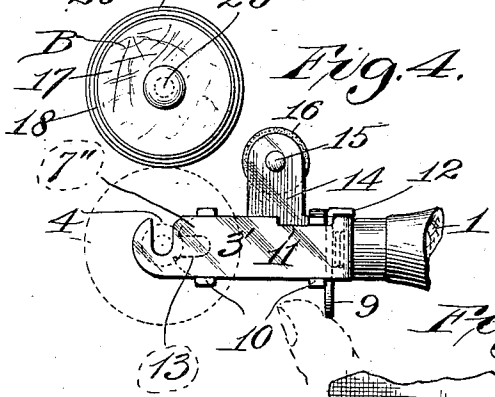
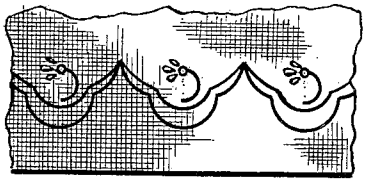


Fig. 5.



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ALVIN L. BAUMAN AND ERNST O. STOPP, OF ST. LOUIS, MISSOURI; SAID STOPP ASSIGNOR TO SAID BAUMAN.

MARKING OR STAMPING DEVICE.

1,070,763. Specification of Letters Patent. **Patented Aug. 19, 1913.**

Application filed July 5, 1912. Serial No. 707,793.

To all whom it may concern:

Be it known that we, ALVIN L. BAUMAN and ERNST O. STOPP, citizens of the United States, residing at the city of St. Louis, State of Missouri, have jointly invented certain new and useful Improvements in Marking or Stamping Devices, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to certain new and useful improvements in marking or stamping devices, and more particularly to a certain new and useful device especially adapted for manually marking or stamping decorative patterns, borders, and the like upon fabrics used in the production of fancy needle or embroidery work, pieces or parts of wearing apparel, household linen, and analogous articles.

In the production of fancy or adorned articles such as mentioned, it is the general practice to mark, usually by stamping, the outlines or designs to be embroidered directly upon the fabric or goods of which the articles are formed, and the objects of our invention are to provide a comparatively simple, inexpensive, and easily handled and operated device whereby the particular outline, design, or border desired may be manually impressed or marked directly upon the article to be embroidered; to provide a device of the kind stated having a marking member preferably in the form of a roller carrying the outline, design, or border to be marked which may be readily moved or rolled over the article to be embroidered for the purpose of marking thereon the outline, design, border, or the like to be followed by the embroidery needle and thread; to provide a device of the kind stated having a marking roller and an inking roller normally in contact with the surface of the marking roller, whereby the necessary ink may be constantly applied to the printing surface of the marking roller while it is being used, thereby avoiding the necessity of removing the marking roller from the article being marked for the purpose of inking the same before the completion of the marking operation and thus obviating any possible or consequent marring or break in the finished outline or the like stamped or marked; to provide a device of the kind stated in which a particular printing or marking roller may be easily and quickly removed from operative position when desired and interchanged or replaced by another or second marking or printing roller bearing a different design or outline, thus providing a device of the kind stated wherein a number of marking rollers bearing different designs, outlines, or the like may be interchangeably used with a single handle or carrying-frame; to provide an article of the kind stated having a removable marking roller provided with members or heads adapted to be readily engaged or gripped between the thumb and finger of the operator when the roller is to be removed from its bearings, whereby such removal operation may be performed and accomplished without soiling or staining the fingers with ink; and to improve generally upon devices of the class described.

To these purposes and with the objects above-mentioned, our invention resides in certain novel features of construction, arrangement, and combination of parts, all as hereinafter fully described and afterward pointed out in the claims.

In the accompanying drawings—Figure 1 is a plan view of our new stamping or marking device; Fig. 2 is a side elevational view thereof; Fig. 3 is a front elevational view of the same; Fig. 4 is a side elevational view of the forward portion of our new device, showing the inking-roller carrying and marking-roller locking frame shifted from its normal position and with the marking roller removed from its bearings; and Fig. 5 is a fragmentary view of a portion of fabric or goods that has been marked or stamped with our improved device.

Referring by numerals to the accompanying drawings, 1 designates a handle, preferably of wood, and carried thereby and at the forward end thereof is a substantially U-shaped frame A comprising a base plate 2 and a pair of forwardly-projecting parallel plates or legs 3 and 3′, plate 2 being centrally secured to the end of handle 1 in any suitable manner, as by means of a screw 1^a. Formed preferably in the upper portions of the outer ends of said legs or side plates 3—3′ are alining vertically-disposed notches or slots 4 which are adapted to form bearings for, and in which are adapted to fit, the trunnions or spindles 5—5 of the marking-roller B. Arranged for sliding move-

ment within said frame A is a second substantially U-shaped frame C comprising a rear plate 6 and a pair of forwardly-projecting parallel side plates 7—7′, which latter occupy positions immediately inside and against side plates 3—3′ of frame A, as seen particularly in Fig. 1. Preferably fixed in any suitable manner to said base plate 2 and bearing against the outer face of plate 6 is a suitable compression member 8 which is adapted to resiliently or yieldingly normally hold slidable frame C forwardly at its outer limit of movement, and depending preferably centrally from plate 6 is an ear 9 providing a finger-hold which is adapted to be engaged by the finger of the operator when the slidable frame C is to be retracted or moved out of normal position.

Formed preferably integral with or otherwise suitably fixed to the upper and lower edges of the side plates 7—7′ of frame C are small outwardly or sidewardly projecting lips or lugs 10 which are adapted to engage the upper and lower edges of the side plates 3—3′ of frame A and thereby hold frame C in proper slidable position within fixed frame A. One of said side plates or legs of fixed frame A, as for instance plate or leg 3′, is preferably notched or cut away, as at 11, along its upper edge, in which notch 11 is adapted to fit the rearward lip or lug 10 on the corresponding side plate, in this instance side plate 7′, of frame C, as shown particularly in Fig. 2, the ends of said notch or cut away portion 11 being adapted to form shoulders which perform the function of stops against which the corresponding lug 10 engages to limit the movement of slidable frame C with respect to the fixed frame A and to lock frame C within, and prevent the frame C accidentally sliding from operative position in, frame A when a roller B is withdrawn and should ear 9 be released. Rear plate 6 of slidable frame C is also preferably integrally or otherwise provided at its upper edge with a flat plate portion 12 projecting rearwardly somewhat over spring 8 and adapted to prevent the hand or finger of the operator contacting or engaging with said spring member 8 when frame C is being retracted or drawn out of normal position. At their forward ends, legs 7—7′ of frame C are cut-away or slotted inwardly, as at 13, see particularly Fig. 4, slots 13 being preferably of such depth that the inner wall thereof is approximately flush with the inner wall of slots 4 of legs 3—3′ when frame C is in normal or forward position, as in Figs. 1 and 2, and when frame C is in such normal position, trunnions 5—5 of roller B also fit in slots 13 and the end portions 7″ of side plates 7—7′, and which form the upper walls of said slots 13, are adapted to project over said trunnions or spindles 5—5 of roller B and across slots 4 and thereby removably lock roller B in its bearings.

Formed on or otherwise suitably fixed to the side plates 7—7′ of frame C are upwardly projecting ears 14—14, and journaled therein are the trunnions or spindles 15—15 of an inking roller 16 comprising a preferably wooden cylindrical body portion and an outer surface portion of felt or other suitable ink-absorbing and carrying-material, said ears 14—14 being so positioned on plates 7—7′ and rollers 16 and B being of such relative diameters that inking roller 16 will normally constantly contact with and roll upon the outer or printing surface of roller B, as shown particularly in Figs. 1 and 2.

The marking rollers B in our new device are each composed of a cylindrical body 17, preferably of wood, and encircling and firmly attached to the periphery thereof in any suitable manner is a section 18 of fabric or analogous material. And circumferentially applied to the outer face of section of material 18 and firmly affixed and secured thereto in any suitable manner, preferably by cement or strong glue, so that it will not creep, is a section or strip 19 of rubber or analogous material upon the outer surface of which is formed the outline or design which is to be marked or transferred to the fabric to be embroidered, the ends of strip or ribbon 19 neatly matching so that roller B will produce or mark a continuous unbroken and uninterrupted outline upon the fabric when rolled thereupon.

When the marking roller B is properly positioned in the frame A, its trunnions 5—5 occupy and fit in the bearings provided by said slots or notches 4 in legs 3—3′ of fixed frame A and are releasably held or locked therein as described by means of said portions 7″ of plates 7—7′ of movable frame C, and when so positioned inking roller 16 contacts with the printing surface of rubber section 19 of said marking roller. With the parts so arranged, the device is manually engaged and properly guided and moved over the goods or fabric to be marked with the printing surface of marking roller B in rolling contact with the surface of said goods; as such action takes place, the printing surface of material 19 constantly receives the necessary ink from the inking roller 16, and as the printing surface of roller B contacts with the fabric, the design or outline of the printing surface of section 19 will be transferred to and marked upon said fabric. When it is desired to remove the printing or marking roller B, the depending lip 9 is engaged by the finger of the operator and slidable frame C moved or retracted rearwardly with respect to fixed frame A and against the resiliency of said compression member or spring 8, which

movement compresses spring 8 and also removes leg-portions 7″ from above trunnions 5—5 of said marking roller B, when said roller B is free to be disengaged from frame A and may be readily removed from its bearings 4. And in order that roller B may be easily gripped for removal by the operator and removed from its bearings without causing the hands to become soiled or stained with ink, we preferably provide trunnions 5—5 of roller B with enlarged heads or disks 20 adapted to be engaged by the thumb and finger of the operator, soiling or staining of the hand by the ink on the printing surface 19 of roller B being thereby avoided.

Our marking device is simple in construction and operation, can be produced with comparatively little cost, and provides simple and effective means for rapidly and easily marking or stamping embroidery patterns, outlines, designs, and the like on all kinds of fabric and material used in the production of fancy work, wearing apparel, and analogous articles, and it will be clear that, by making the marking roller readily detachable, a number of said rollers bearing different designs, patterns, and the like can be interchangeably used in connection with a single handle or frame.

It will be readily understood that minor changes in the size, form, construction, arrangement, and combination of the several parts of our new marking or stamping device may be made and substituted for those herein shown and described, without departing from the nature and principle of my invention.

Having thus described our invention, what we claim and desire to secure by Letters Patent is:

1. In a device of the class described, a handle, a substantially U-shaped frame fixed to and carried by said handle, a marking roller having its trunnions removably journaled in the legs of said frame, and a spring-pressed substantially U-shaped frame arranged within and carried by said fixed frame, said second frame being slidably movable relatively to said fixed frame and having portions adapted to normally removably engage said trunnions and thereby releasably lock said roller in said fixed frame; substantially as described.

2. In a device of the class described, a handle, a substantially U-shaped frame fixed to and carried by said handle, a marking roller having its trunnions removably journaled in the legs of said frame, a spring-pressed substantially U-shaped frame arranged within and carried by said fixed frame, said second frame being slidably movable relatively to said fixed frame and having portions adapted to normally removably engage said trunnions and thereby releasably lock said roller in said fixed frame, and means adapted to prevent the disengagement of said frames on the removal of said roller; substantially as described.

3. In a device of the class described, a handle, a frame fixed to and carried by said handle, said frame being provided with a shouldered recess, a marking roller having its trunnions removably journaled in said first frame, a spring-pressed frame arranged within and slidably carried by said first frame, said second frame having portions adapted to normally engage said trunnions and thereby releasably lock said roller in said first frame, and a lug on said second frame fitting in said recess adapted to engage the shoulder of said recess to prevent the disengagement of said frames on the removal of said roller; substantially as described.

4. In a device of the class described, a handle, a substantially U-shaped frame carried by said handle and having its legs presented forwardly and provided at their outer ends with alining vertically-disposed slots, a marking roller having its trunnions removably journaled in said slots, a second substantially U-shaped frame slidably mounted in said first frame, said second frame having its legs also presented forwardly and adapted at their outer ends to normally project across said slots and engage said trunnions and thereby releasably lock said roller in said first frame, and a spring interposed between said frames adapted to resiliently hold said second frame in normal position; substantially as described.

5. In a device of the class described, a handle, a substantially U-shaped frame carried by said handle and having its legs presented forwardly and provided at their outer ends with alining vertically-disposed slots, a marking roller having its trunnions removably journaled in said slots, a second substantially U-shaped frame slidably mounted in said first frame, said second frame having its legs also presented forwardly and adapted at their outer ends to normally project across said slots and engage said trunnions and thereby releasably lock said roller in said first frame, a spring interposed between said frames adapted to resiliently hold said second frame in normal position, and means adapted to prevent the disengagement of said frames on the removal of said roller; substantially as described.

6. In a device of the class described, a handle, a substantially U-shaped frame fixed to and carried by said handle, a marking roller having its trunnions journaled in the legs of said frame, a second substantially U-shaped frame arranged within and supported by said first frame, said second

frame being slidably movable relatively to and on said first frame, upwardly-projecting roller supports fixed on said second frame, an inking roller rotatably carried by said supports and adapted to normally contact with the printing surface of said marking roller, and means adapted to resiliently hold said second frame with its carried roller in such normal position; substantially as described.

7. In a device of the class described, a handle, a substantially U-shaped frame fixed to and carried by said handle, a marking roller having its trunnions journaled in the legs of said frame, a second substantially U-shaped frame arranged within and supported by said first frame, said second frame being slidably movable relatively to and on said first frame, upwardly-projecting roller supports fixed on said second frame, an inking roller rotatably carried by said supports and adapted to normally contact with the printing surface of said marking roller, and a spring interposed between said frames and adapted to resiliently hold said second frame with its carried roller in such normal position; substantially as described.

8. In a device of the class described, a handle, a frame carried thereby, a marking-roller removably journaled in said frame, a second frame slidable in said first frame and having portions adapted to normally lock said marking-roller in its bearings, an inking roller carried by said second frame and adapted to normally contact with the surface of said marking-roller, and a spring interposed between said frames adapted to resiliently hold said second frame and its carried parts in normal position; substantially as described.

9. In a device of the class described, a handle, a frame carried thereby, a marking-roller removably journaled in said frame, a second frame slidable in said first frame and having portions adapted to normally lock said marking-roller in its bearings, an inking roller carried by said second frame and adapted to normally contact with the surface of said marking-roller, a spring interposed between said frames adapted to resiliently hold said second frame and its carried parts in normal position, and means adapted to prevent the disengagement of said frames on the removal of said marking roller; substantially as described.

In testimony whereof, we have signed our names to this specification in the presence of two subscribing witnesses.

ALVIN L. BAUMAN.
ERNST O. STOPP.

Witnesses:
JNO. J. REARDON,
ZELMA PINCUS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."