No. 619,209. Patented Feb. 7, 1899.

H. NATHAN.

PRINTING OR NUMBERING DEVICE.

(Application filed Oct. 3, 1898.)

(No Model.)

Fig. 1.

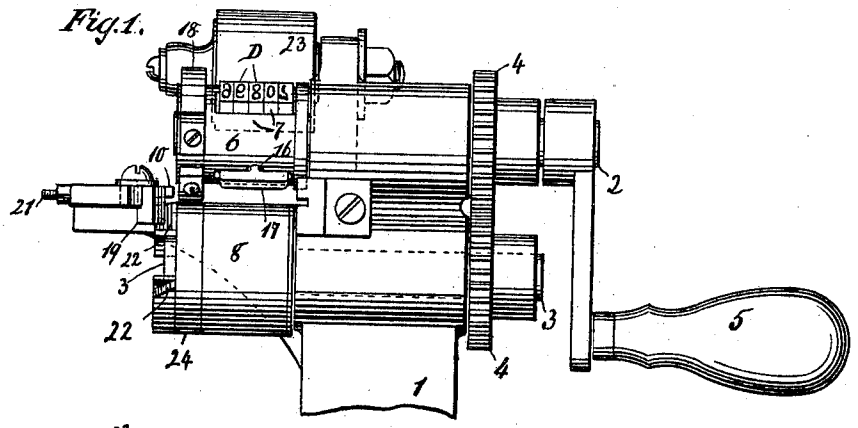


Fig. 2.

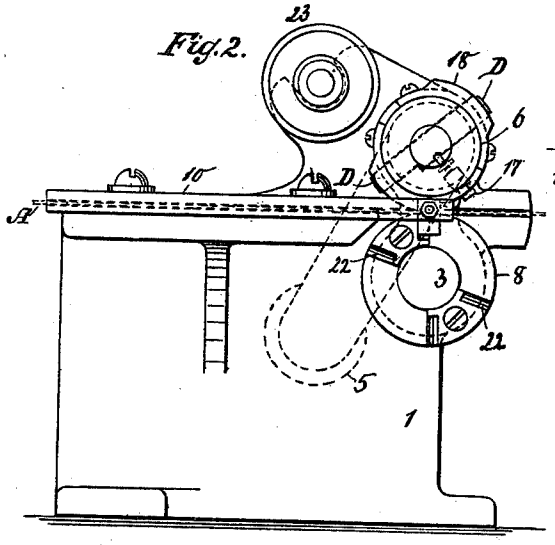


Fig. 4.

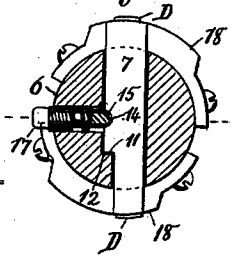


Fig. 5.

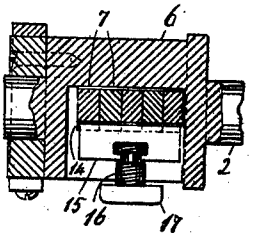


Fig. 6.

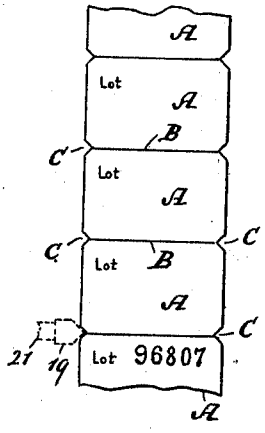
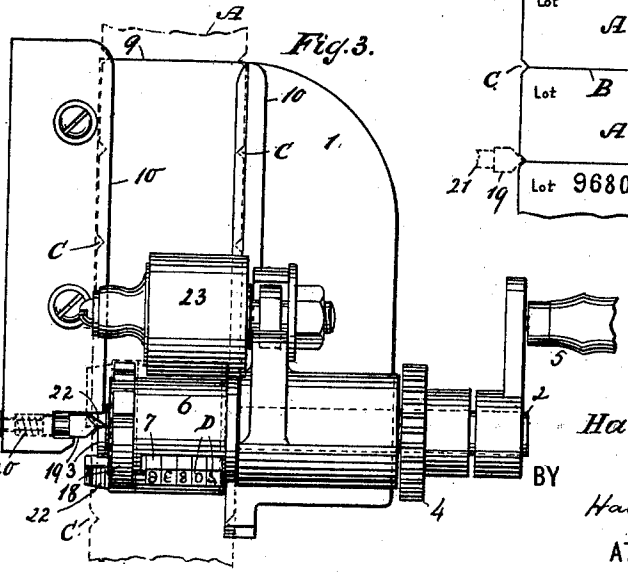


Fig. 3.



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UNITED STATES PATENT OFFICE.

HARRY NATHAN, OF NEW YORK, N. Y.

PRINTING OR NUMBERING DEVICE.

SPECIFICATION forming part of Letters Patent No. 619,209, dated February 7, 1899.

Application filed October 3, 1898. Serial No. 692,508. (No model.)

To all whom it may concern:

Be it known that I, HARRY NATHAN, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Printing or Numbering Devices, of which the following is a specification.

This invention relates to a printing press or apparatus by which such operations as lot-numbering or the stamping of clothing or other tickets or articles can be effectively carried out. As known, for example, in clothing-houses the tickets attached to the garments are provided with a so-called "lot-number," and by means of this invention such lot-numbers can be printed on such tickets as set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a front elevation of the numbering machine or press. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is a plan view of Fig. 1. Fig. 4 is a transverse section of the type-barrel. Fig. 5 is a longitudinal section of Fig. 4. Fig. 6 shows a ticket-strip.

The strip (shown in Fig. 6) being divided into sections A or cut at the lines or marks B will give tickets such as used, for example, in the clothing trade. At the lines of cut or separation are notches or V-shaped cuts C.

The machine or device is shown with a base or foot 1, having bearings for the shafts 2 and 3 connected by gears 4 and suitably rotated, as by handle or crank 5. The shaft 2 carries a type barrel or cylinder 6 with type 7, Fig. 4, and the shaft 3 is shown with a feed or supporting roller 8. The tickets or strip A, being laid on feed-table 9, having lateral guides 10, and feeding along between rollers 6 and 8, can be given a lot-number by the suitably-arranged type 7.

The barrel or carrier 6, as seen in Fig. 4, has a cut extended therethrough, and the type 7 are placed into said cut, so as to be exposed at opposite points, said type being double-faced or having faces D at such exposed points. Each type will thus print twice or produce two impressions by one rotation of the barrel 6. The type have one end portion diminished to form a shoulder 11, Fig. 4, and the cut through barrel 6 is likewise contracted along a mouth or edge to form shoulder 12. The type being dropped or slipped into the barrel can be prevented by the engaging offsets or shoulders 11 and 12 from dropping through the cut or barrel. Such shoulders also aline or level the type. The type are shown with seat or recess 14 for the engagement of a lock or clamp 15. This lock 15 is formed by a bar extended along in the cut through the barrel 6, said barrel being tapped for the reception of screw 16, actuating or engaging the locking-bar 15. When the screw 16 or its handle 17 is properly turned, the bar is made to engage or lock the type. The type-faces D, being convexed or curved about the center or axis of carrier or barrel 6, will give a smooth print or impression.

The type barrel or carrier 6 is shown provided with cams or spaced feeding-surfaces 18, Fig. 4, for alternately feeding and releasing the sheet or strip A on the bed or support 9. When a type-face D is printing, a face or elevation 18 is feeding the sheet or strip A; but when such face has printed the strip A remains at rest until the barrel 6 has caused the next elevation 18 to take the strip for feeding the latter during the time the second type-face prints.

The laterally-located detent 19, Fig. 3, or its stem 21 is engaged by spring 20, tending to force the detent to the strip A or into a cut C for holding or adjusting the strip during the interval of rest or after one type-face D has printed and before the other type-face has begun to print. The supporting roller or barrel 8 has cams 22 for moving said detent back or out of action at suitable intervals. The cams 22 are shown spaced or so arranged that the detent 19 is held out of action while the feeding-cams 18 on the barrel 6 are in action, and when the strip is released by the feeding-cams 18 the detent 19 is released by cam 22 and brought into engagement or action by its spring 20.

A roller or inker 23 can be provided for the type, and the supporting-roller 8 is shown with a lateral disk or section 24, Fig. 1, of suitable material, as steel, against which the spaced feed cams or surfaces 18 can act. The bar or lock 15 can be allowed enough play to engage or free the type, but can be so arranged as not to come clear of or drop entirely out of barrel 6.

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

1. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points substantially as described.

2. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points, said barrel and type having engaging offsets or shoulders substantially as described.

3. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points, said barrel having a lock or clamp for the type substantially as described.

4. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points, said barrel having a locking-bar extended along in said cut, and an actuating-screw for the bar, and the type having a seat or recess for the engagement of the locking-bar substantially as described.

5. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points, said type being double-faced or having faces at such exposed points substantially as described.

6. A printing device provided with a barrel or carrier having a cut extended therethrough, and type placed into said cut so as to be exposed at opposite points, said type being double-faced and having said faces convexed about the axis of the barrel substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HARRY NATHAN.

Witnesses:
W. C. HAUFF,
E. F. KASTENHUBER.