No. 638,131. Patented Nov. 28, 1899.

N. R. MARSHMAN.

TYPE WRITING MACHINE.

(Application filed Nov. 2, 1898.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

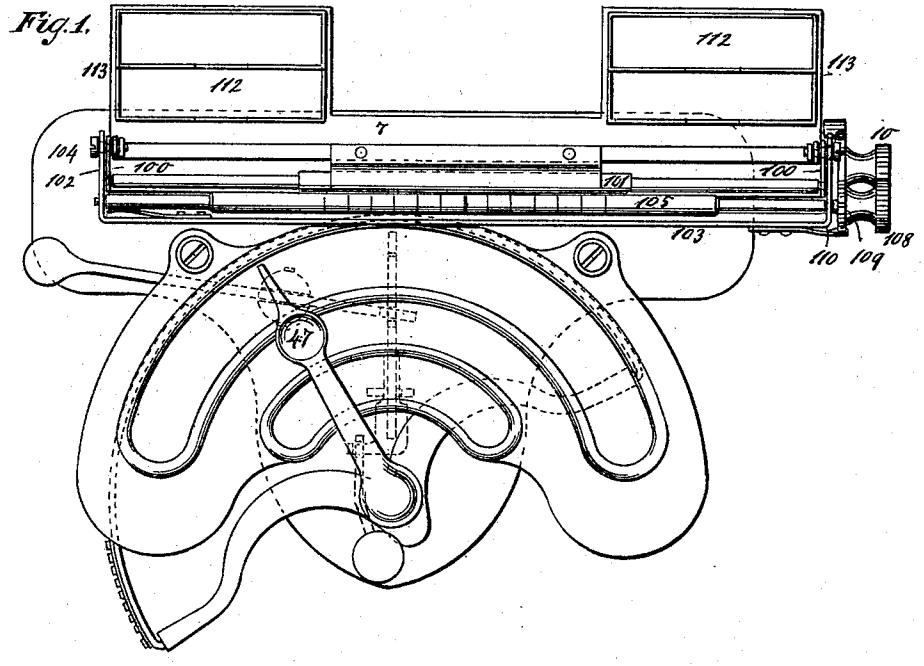


Fig. 2.

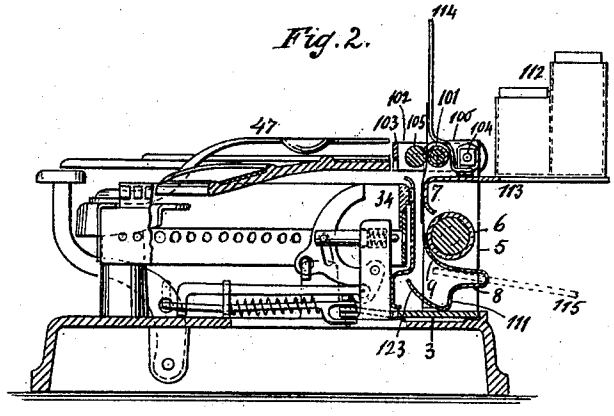
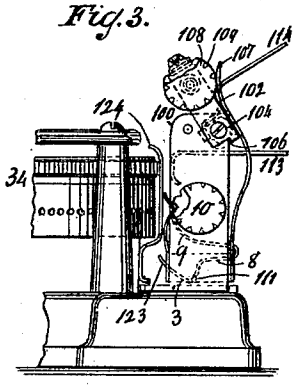


Fig. 3.



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(No Model.) 2 Sheets—Sheet 2.

Fig. 4.

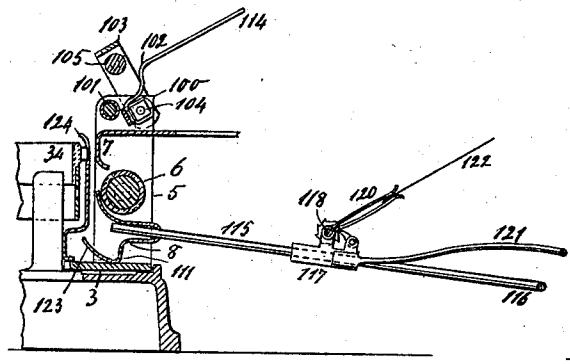


Fig. 5.

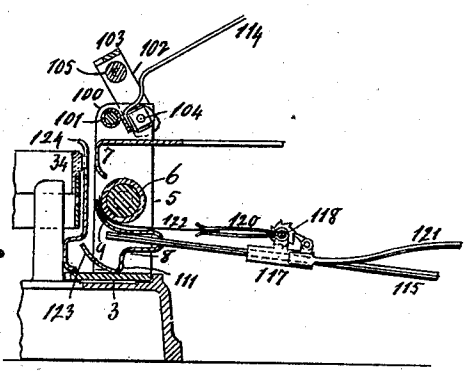
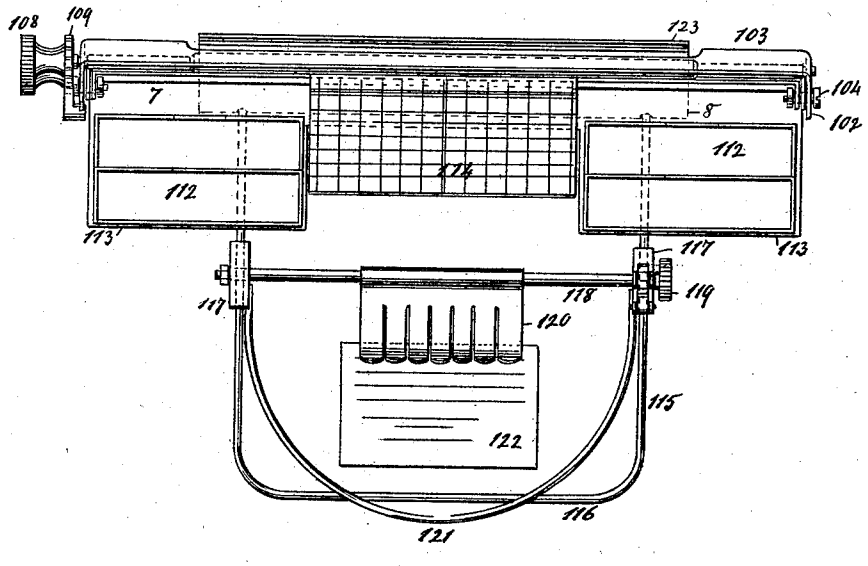


Fig. 6.



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UNITED STATES PATENT OFFICE.

NEWMAN R. MARSHMAN, OF NEW YORK, N. Y.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 638,131, dated November 28, 1899.

Application filed November 2, 1898. Serial No. 695,307. (No model.)

To all whom it may concern:

Be it known that I, NEWMAN R. MARSHMAN, 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 Type-Writing Machines, of which the following is a specification.

This invention consists in certain novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a plan view of the machine. Fig. 2 is a sectional side elevation of Fig. 1. Fig. 3 is a side elevation of Fig. 1. Figs. 4 and 5 are views like Fig. 2 with parts in a different position than in Fig. 2. Fig. 6 is a plan view of a carriage with an attachment not shown in Fig. 1.

The invention is shown applied to a machine like that shown in United States Patent No. 510,214, granted December 5, 1893, but of course is not confined to such machine. The paper-carriage 3 has a bearing or supports 5 for feed-roller 6 and a platen or impression-bar 7. The type or type-band 34 is set by pointer 47 and is pressed toward the platen to print. These features being described in said patent, need not be specially explained here.

In addition to roller 6 the paper-carriage is shown with a bearing or lugs 100, which can be formed integral with the platen or which could be screwed or detachably secured in place. This bearing 100 supports a feed-roller 101. A bail or frame is shown with side arms 102 and cross or front piece 103 and swinging or jointed to the carriage at 104. This frame carries a roller 105, and when the frame is swung down or the roller 105 comes in front of roller 101, Fig. 2, a sheet can be held or fed by or between these rollers. Swinging frame 102 up, Fig. 4, will clear or move roller 105 away from roller 101, so that a sheet can be readily removed or placed against roller 101 to be held when the roller 105 is again forced down in front of roller 101.

The frame or bearing 102 has a shoulder 106, Fig. 3, and a spring or lock 107, engaging the shoulder, will hold the frame to keep the roller 105 at the roller 101. Accidental movement or freeing of roller 105 is thus prevented, as the lock 106 107 has to be opened before the roller 105 can be cleared or swung up.

The roller 105 can be rotated by button or handle 108, Fig. 1, and a fluted or toothed wheel 109, with spring 110, will prevent too easy or accidental rotation of roller 105 and secure a step-by-step or suitably-spaced rotation, the depressions of wheel 109 being arranged in line-space apart, as described in said patent, in regard to the hand-wheel 10 and dog of feed-roller 6.

The arrangement of rollers 101 105 has been found a convenient attachment for writing small matter—as, for example, in a drug-store for writing prescriptions which, as known, are generally on small sheets or labels. Postal cards can also be conveniently written on machines with such attachment. The bent or metallic support 8, with guide 9, can have a cut or passage, as seen at 111, so that a sheet instead of being led between roller 6 and pressure-plate 9 can pass or extend from rollers 101 105 through cut 111. The roller 6 could be dispensed with, but has been found convenient to aid the rollers 101 105.

The roller 105 or the front frame-piece 103 could have a scale or marks, such as are serviceable in type-writing machines.

The paper-carriage is shown with a holder or compartments 112 on suitable ledges or extensions 113, and which carrier 112 can be supplied with sheets, prescription-blanks, labels, or the like stationery or material which it is desired to have readily accessible. The carriers 112 are shown carried by platen 7 to travel therewith and are spaced or separated to allow the indicator-plate 114 on frame 102 to move back when such frame is swung up. This indicator-plate serves to position a sheet or card which is being fed through the machine. Such plate may have lines or marks thereon to aid the proper positioning of sheets or labels.

At a suitable point, such as to support 8, is secured a bail or arms 115, Fig. 4, with cross-piece 116, Fig. 6. Blocks 117, slidably mounted or traveling on said arms 115, form a bearing for shaft 118, having handle or button 119 and clip or holder 120. A sheet or label—as, for example, a prescription-blank 122—can have an edge caught by clip 120 and

the clip then turned and blocks 117 slid until an edge of the label slips between roller 6 and plate 9. By then properly turning roller 6 the label is drawn from clip 120 and can be fed up to roller 101 and then clamped by roller 105. A ratchet and pawl can be applied to allow shaft 118 to turn in but one direction. A handle or wire 121 can be applied to blocks or traveler 117 to readily move the same along tracks 115. When the shaft 118 is moved to bail piece or branch 116, the clip 120 is readily accessible or exposed to the operator, so that a label can be properly alined or inserted in the clip to be properly presented by the latter to roller 6 for neat or straight writing.

The support 8 is shown with a curve or lip 123, Fig. 2, extended from passage 111 upward and forward, so that a sheet or card 122, which should feed or extend down from rollers 101 105, will be bent or guided by lip 123 to the outlet 111 or will be prevented by such lip 123 from bending forward under the type 34 or into the operating parts of the machine.

Between the type and the platen 7 is a guard-plate, the top 124, Fig. 5, of which is curved forward or above the type to prevent a card or sheet slipping between the plate 124 and the type 34. Such plate 124 will guide the card or sheet in between such plate and the platen 7, and this plate 124 is suitably perforated or forked to allow a required type to print or strike the sheet at the printing-point, but prevent adjacent types from printing or touching the sheet.

In writing such articles as postal cards it has been found practical to have the card fed or engaged both by the feed 6 and by the feed 101 105. The clip or holder 120 being mounted, as shown, or with its shaft 118 below the feed 6, such clip, as seen in Fig. 5, can deliver a sheet between the roller 6 and the presser 9, so that such roller 6 when properly rotated will feed the sheet 122 to the feed-rollers 101 and 105 or to the platen 7. On the roller 105, Fig. 1, is shown a scale or lines running about the roller, and which scale serves for centering a sheet or label between the rollers 101 and 103. On the indicator-plate 114, Fig. 6, there is likewise an index or scale, the vertical lines of which correspond to or form a continuation of the scale on the roller 105. The horizontal lines on the scale of plate 114 enable the sheet or label to be fed upward for securing uniform spaces between the lines. The vertical lines or the lines running about roller 105 and from the top edge to the bottom edge of plate 114 serve for centering the sheet or label or for leaving a suitable uniform margin along the right or left hand edge of a sheet. For example, if a sheet is so wide as to extend along the entire scale on roller 105 then by commencing the writing on each line—say one or two scale-marks from the left—a uniform margin is left along an edge of the sheet.

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

1. A type-writing machine provided with a flat or straight platen, two feeds made to feed on a line with said platen or printing-point and each made to feed the sheet independently of the other, substantially as described.

2. In combination with a flat or straight platen, a swinging feed mechanism and a second feed mechanism on line with the first feed mechanism, substantially as described.

3. A type-writing machine provided with a paper-carriage having a roller 101, a bail pivoted to the carriage back of this roller, and a second feed-roller carried by the bail, said bail being made to extend about or forward of the first-named roller to enable the bail-roller to be swung forward of or into contact with the front of the first-named roller, and to be swung up for clearing or separating the rollers from one another substantially as described.

4. A type-writing machine provided with a flat faced fixed or non-rotary platen 7, feed-rollers above the platen, and a feed-roller 6 and pressure plate or guide 9 below the platen, substantially as described.

5. A type-writing machine provided with a platen having feed-rollers at the upper part of the platen, and a feed-roller below such upper rollers, said several rollers having the feeding or sheet-engaging portions or lines placed in a plane or level with platen-face to prevent curving or bending of the sheet, substantially as described.

6. A type-writing machine provided with a platen having a track or arms, bearing-blocks movably mounted on the track, a handle 121 for the blocks, a shaft carried by the blocks, and a clip or holder carried by the shaft substantially as described.

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

NEWMAN R. MARSHMAN.

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