

No. 610,390.

Patented Sept. 6, 1898.

J. FELBEL.
TYPE WRITING MACHINE.

(Application filed Nov. 6, 1893.)

(No Model.)

Fig. 1.

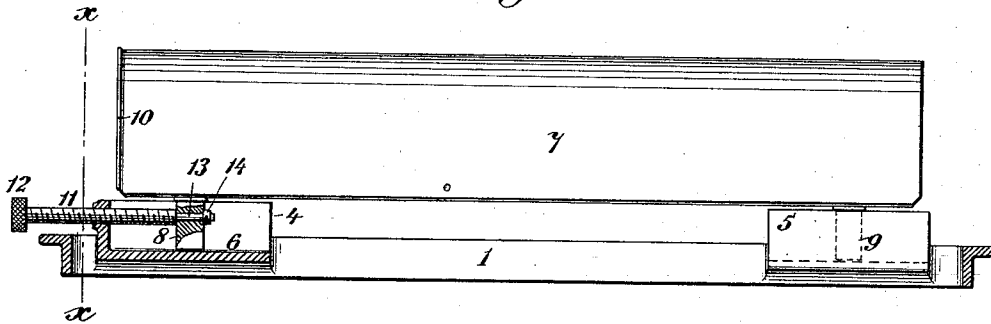


Fig. 2.

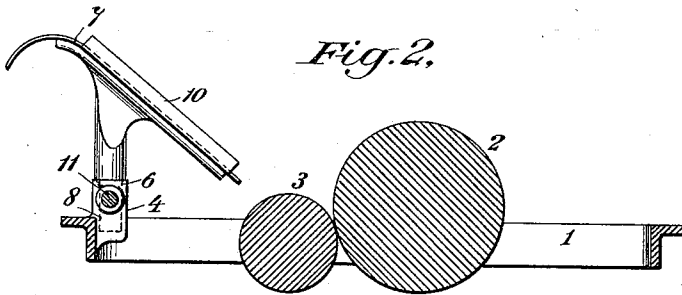


Fig. 3.

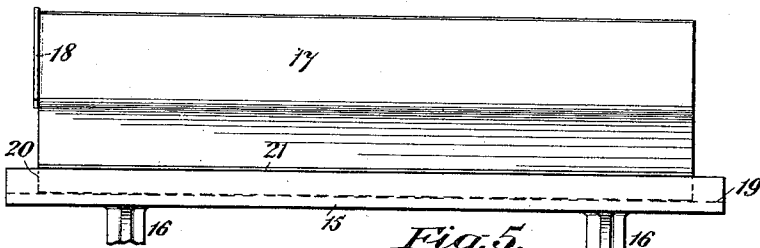


Fig. 4.

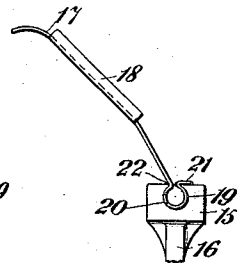
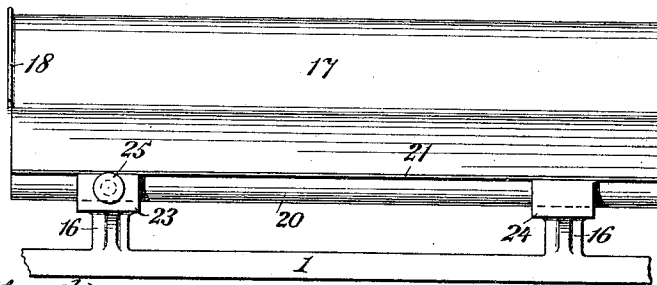


Fig. 5.



WITNESSES:

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JACOB FELBEL, OF NEW YORK, N. Y.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 610,390, dated September 6, 1898.

Application filed November 6, 1893. Serial No. 490,101. (No model.)

To all whom it may concern:

Be it known that I, JACOB FELBEL, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

My invention has for its main object to provide means whereby successive sheets may be so placed or arranged upon or fed to the platen of a type-writing machine as that the margin at the left-hand side of each sheet may be the same or uniform; and it consists in the features of construction and combinations of devices hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a front sectional elevation of a portion of the carriage of a type-writing machine embodying my improvements. Fig. 2 is a vertical section taken at the line *xx* of Fig. 1, but showing more of the carriage and also illustrating the platen and feed-roller thereof. Fig. 3 is a front elevation of a portion of a type-writing-machine carriage, showing my improvements carried out in another form. Fig. 4 is an end view of the same; and Fig. 5 is a view similar to Fig. 3, showing my improvements carried out in still another manner.

In the several views the same parts will be found designated by the same numerals of reference.

1 designates the carriage of a type-writing machine, which is provided with a platen 2 and feed-roller 3.

Referring more particularly to Figs. 1 and 2, 4 and 5 designate boxes or supports which are preferably cast integral with the paper-carriage, at the back thereof, and project above its uppermost surface. Each box or support is provided with a longitudinal slot or groove 6, extending, preferably, substantially its whole length.

6 is a paper-table provided at its lower edge with two legs or projections 8 and 9, constructed to fit into the slots or grooves 6 and to slide longitudinally of the same. Preferably the sides or walls of the slots or grooves are flat and parallel, and the front and back

surfaces of the legs or projections are similarly constructed to match.

The paper-table is provided at its left-hand edge preferably with a lip or flange 10, arranged to project forward substantially at right angles to the edge of the table and preferably made integral therewith.

The support 4 at its outer end is formed with a threaded aperture to receive a screw 11, provided with a knob or handpiece 12 at its outer end and formed at its inner end with a plain reduced portion 13, which passes through a perforation in the leg 8 and is secured thereto by a nut, collar, pin, screw, or other fastening device 14. It will be readily understood that by turning the screw in one direction or the other the paper-table will be moved either toward the right or the left, according to the direction in which the screw is rotated, and that during these movements the paper-table is supported and guided by the legs and the boxes or troughs. This capacity of the paper-table for longitudinal movements or adjustments enables the operator to obtain various widths of margin in different pieces of work. In the use of the contrivance the paper to be written upon is placed with its left-hand longitudinal edge against the lip or flange 10, which constitutes a guide, gage, or margin-regulator, and the paper is then fed down to or placed upon the platen or impression-roller. Each successive sheet in a given piece of work may be likewise inserted in the machine or fed to the platen, and since all of the sheets go into the machine or onto the platen at exactly the same locality it follows that all of said sheets will have the same width of margin at the left-hand side of the same, provided, of course, that the carriage is started for the beginning of the lines at the same points on all of the sheets.

If it be desired to have a greater or less margin in the next piece of work, the paper-table may be moved lengthwise either toward the left or toward the right, as the case may be. In whatever position the paper-table may be adjusted it will be held firmly thereat by reason of the presence of the screw; but in so far as the main feature of my invention is concerned the device 11, instead of being made as a screw, may be made perfectly plain to

slide in and out through a plain hole in the end of the support, although I prefer the threaded construction.

Referring now to Figs. 3 and 4, the support or trough 15, mounted on brackets 16, extending up from the paper-carriage, is made continuous and slightly longer than the paper-table 17, which at its left-hand end is provided with a lip or flange 18. The groove 19 in the support 15 is made round, and the lowermost edge of the paper-table (preferably constructed of sheet metal) is formed with a round bead 20 to match the groove and with a horizontal flange 21, which rests on the upper surface of the support and prevents any forward movement of the paper-table, the shoulder or angle 22 at the junction of the lower portion of the paper-table and the bead preventing any backward movement of the paper-table. The paper-table is adjustable lengthwise by simply sliding the bead along its groove or seat, and the operation of this construction, as far as presenting the paper to the platen is concerned, is the same as that hereinbefore described of Figs. 1 and 2.

Referring to Fig. 5, two grooved supports 23 and 24 on arms extending up from the paper-carriage are provided instead of a continuous grooved support, as at Fig. 3, and the paper-table shown is similar in construction to that exhibited in the last-mentioned figure, the grooves in the supports being round in cross-section to correspond with the bead at the lower edge of the paper-table. In this view a set-screw 25 is shown for the purpose of holding the paper-table in any of its adjusted positions. The operation of this construction is substantially the same as that hereinbefore described.

Various other changes in detail and in design may be made without departing from the gist of the invention.

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

1. In a type-writing machine, the combination of a paper-carriage, a platen, and a paper-table of ordinary character supported

upon said carriage and adjustable lengthwise of the platen; substantially as described.

2. In a type-writing machine, the combination of a paper-carriage, a platen, and a paper-table supported on said paper-carriage, and bodily adjustable longitudinally and lengthwise of said platen, and provided at one end with a margin-regulator operating as a gage for the paper supported on said paper-table; substantially as described.

3. In a type-writing machine, the combination of a paper-carriage, a platen, a longitudinally-adjustable paper-table supported on said paper-carriage and provided at one end with an integral lip or flange operating as a gage for the paper supported on said paper-table; substantially as described.

4. In a type-writing machine, the combination of a paper-carriage, a platen, a paper-table supported on said paper-carriage, and provided with a margin-regulator operating as a gage for the paper supported on said paper-table, and means for moving said paper-table bodily in the direction of the length of the platen; substantially as described.

5. In a type-writing machine, the combination of a paper-carriage, a platen, and a paper-table supported in a longitudinal groove on said paper-carriage and adjustable bodily in said groove longitudinally of said platen; substantially as described.

6. In a type-writing machine, the combination of a paper-carriage provided with grooved supports, a platen, a paper-table provided with a margin-regulator and with feet or projections, and an adjusting device on said carriage for moving said paper-table longitudinally of said platen; substantially as described.

Signed at New York city, in the county of New York and State of New York, this 28th day of October, A. D. 1893.

JACOB FELBEL.

Witnesses:

I. C. MACDONALD,
JOHN C. LACEY.