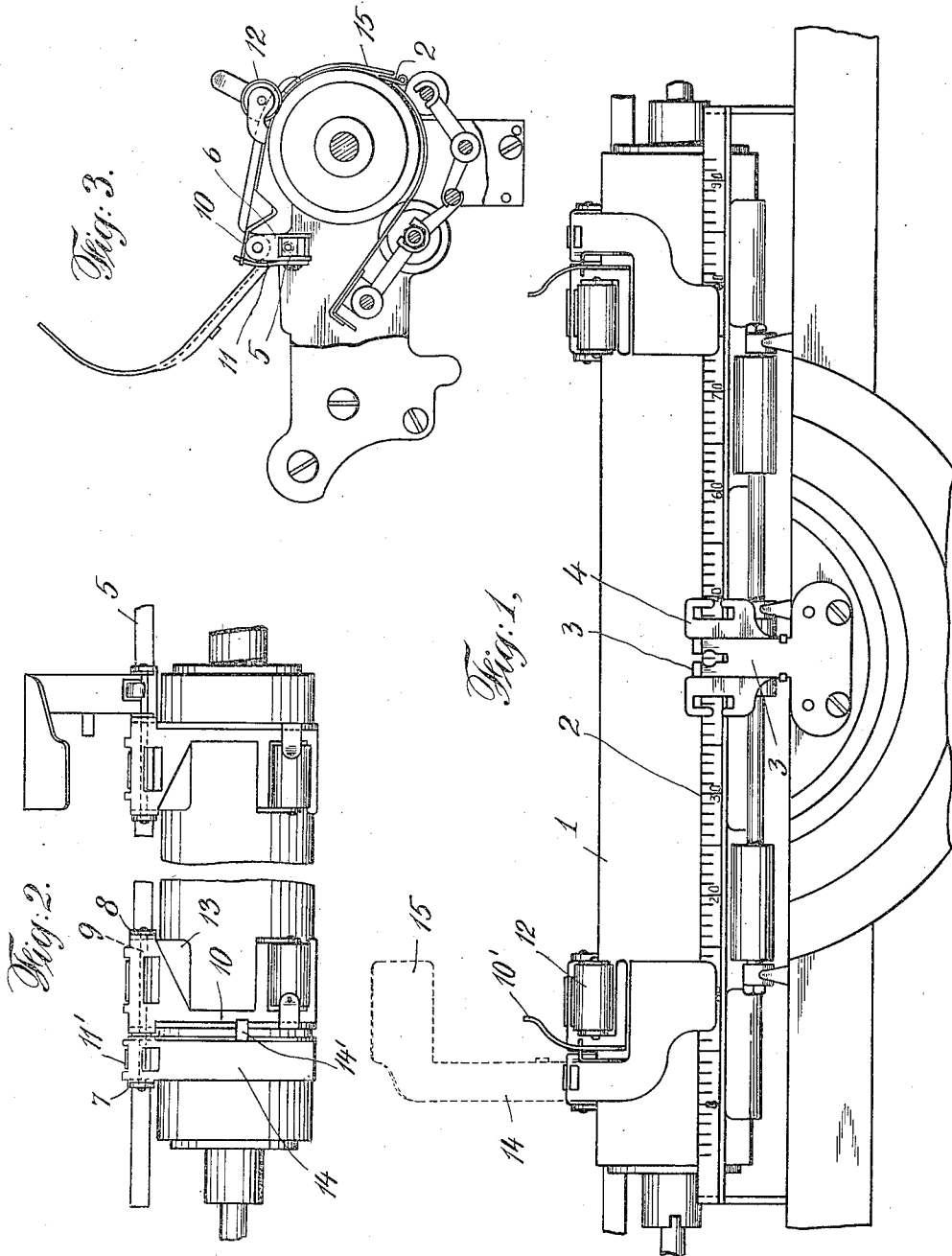


E. B. HESS.
TYPE WRITING MACHINE.
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1,031,930.

Patented July 9, 1912.



WITNESSES:
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UNITED STATES PATENT OFFICE.

EDWARD B. HESS, OF NEW YORK, N. Y., ASSIGNOR TO ROYAL TYPEWRITER COMPANY,
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TYPE-WRITING MACHINE.

1,031,930.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed April 25, 1911. Serial No. 623,148.

To all whom it may concern:

Be it known that I, EDWARD B. HESS, a citizen of the United States of America, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to paper guiding and controlling devices of a visible writing type bar machine.

In the accompanying drawing: Figure 1 is a front elevation: Fig. 2, a plan broken away intermediate its ends: and Fig. 3, a sectional view taken just inside the left hand end plate of the carriage.

In front of the platen 1 and below the printing line thereof is a usual scale bar 2 lying behind the usual type bar guide 3 and ribbon vibrator 4. The platen is mounted to rotate in the carriage side plates and is to be controlled in the usual way for line space and to be fed transversely for letter space. Extending between the end plates of the carriage at the rear upper side of the platen is a transverse bar 5 on which is independently mounted, for longitudinal adjustment, an arm carrying a paper clamping roll which extends forwardly over the platen, its extreme end terminating above the line of print and out of the paths of the types when making an impression. Also mounted on bar 5 for longitudinal adjustment is an arm carrying at its forward end a paper guide finger that may extend downward in front of the clamping roller and around the front face of the platen to overlap the scale bar 2. There are preferably two such arms to be used separately or conjointly on each side of the printing point on the platen. A description of one set is equally applicable to the other.

On the bar 5 is fitted a slide on a sheet metal sleeve 6 that embraces the bar and has at its upper face two upright lugs 7, 8, one at each end and between which extends a pivot rod 9. On the rod 9 is hinged a forwardly extending sheet metal arm 10 offset on the side toward the transverse center of the platen. This arm is formed with lugs at its rear end that are turned down and embrace the pivot rod 9 and on the rear of the sleeve carrying the pivot rod is a plate spring 11 that works against the rear edge of arm 10 so as to hold it either in de-

pressed or in elevated position. When the arm is down as shown, a paper clamping roller 12 pivoted in its forward end on an axis parallel with that of the platen bears against the upper front face of the platen above the line of print. A part of the arm in rear of the offset position is inclined downwardly at 13 so that a sheet of paper, card or envelop passing under the roller 12 will be deflected upwardly over the part 13 in its discharge from the machine. Such a clamping roller may be used in connection with additional card holding devices, for instance, such as those disclosed in my Letters Patent No. 950,326, dated Feb. 22, 1910. The clamping roller in the extreme forward end of the arm in which it is mounted lies above the line of print and out of the paths of the type heads in printing. Alongside of the arm 10 and rocking about the pivot rod 9 is also mounted an arm 14 of sheet metal to which also is applied a spring 11' to hold it in depressed or elevated position. Its front or free end is provided with a lateral extension 15 extending inwardly and which, when in operative position, lies in front of the clamping roller 12 and is prolonged downwardly around the front face of the platen and its extreme front end overlaps the scale bar.

On the side of the arm 14 is a lateral projection 14' that overlies the upper edge of the roller arm 10. The guiding part 15 of arm 14 serves to direct a sheet, card or envelop leaving the scale bar between the roller and the surface of the platen.

On the roller arm 10 is a projecting finger piece 10' by which the operator may readily lift the roller arm which by reason of the overlapping projection 14' will also lift the guide finger arm and move them back into inoperative position. The guide finger arm may, however, be thrown back into inoperative position as indicated in the full lines in Fig. 3 and in dotted lines in Fig. 1 without disturbing the clamping roller 12.

The undescribed details depicted in the drawing are well understood and form part of the well known Royal Standard typewriter machine.

I claim:

1. In a visible writing machine, the combination with the platen of an arm extending forwardly over the platen, terminating

above the line of print, adapted to be thrown rearwardly out of operative position and carrying in its front end a paper clamping roller cooperating with the platen 5 above the line of print, and an independent guide finger arm also extending forward over the platen, adapted to be thrown backwardly out of operative position and having a paper guiding portion at its front end that lies below and in front of said clamping 10 roller and lies across the printing line.

2. In a visible writing machine, the combination with the platen of an arm extending forwardly over the platen, terminating 15 above the line of print, adapted to be thrown rearwardly out of operative position and carrying in its front end a paper clamping roller cooperating with the platen above the line of print, and an independent guide finger 20 arm also extending forward over the platen, adapted to be thrown backwardly out of operative position and having a paper guiding portion at its front end that lies below and in front of said clamping roller 25 and lies across the printing line, and an interlocking connection between the two arms

whereby both may be thrown upwardly simultaneously by a strain applied to one of them or one may be thrown upwardly into inoperative position by a strain applied directly to it. 30

3. In a visible writing machine, the combination with the platen of an arm extending forwardly over the platen, terminating 35 above the line of print adjustable longitudinally of the platen and carrying in its front end a paper clamping roller cooperating with the platen above the line of print, and an independent guide finger arm also 40 extending forward over the platen, adapted to be thrown backwardly out of operative position and having a paper guiding portion at its front end that lies below and in front of said clamping roller and lies across 45 the printing line.

In testimony whereof, I have hereunto subscribed my name.

EDWARD B. HESS.

Witnesses:

L. C. MYERS,

ANDREW J. SHERIDAN.