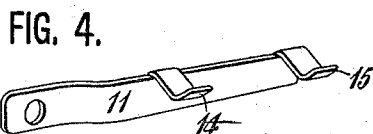
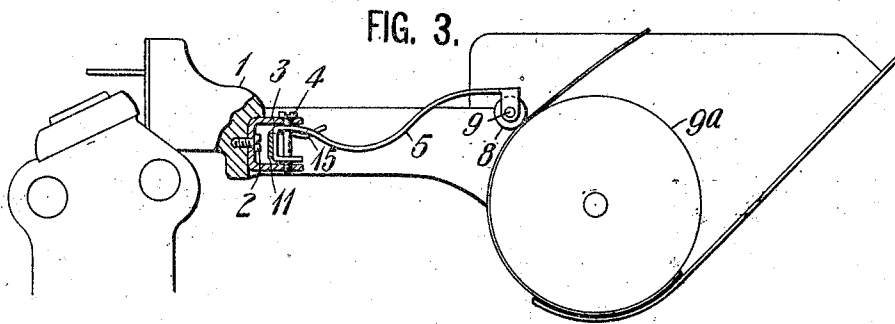
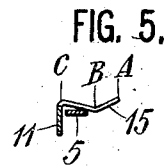
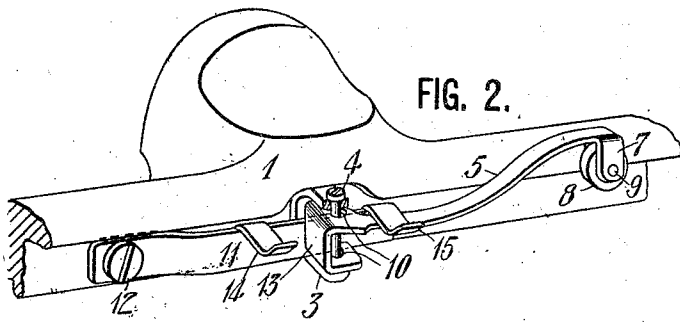
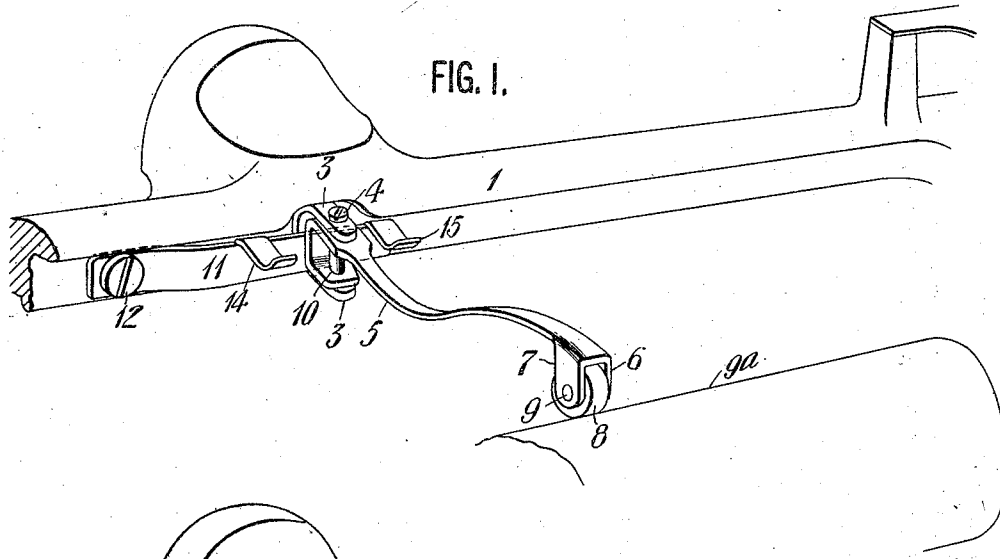


W. E. BARNARD.
 TYPE WRITING MACHINE.
 APPLICATION FILED JAN. 8, 1912.

1,022,766.

Patented Apr. 9, 1912.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WALTER E. BARNARD, OF HARTFORD, CONNECTICUT, ASSIGNOR TO UNDERWOOD TYPE-WRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

TYPE-WRITING MACHINE.

1,022,766.

Specification of Letters Patent.

Patented Apr. 9, 1912.

Application filed January 3, 1912. Serial No. 669,943.

To all whom it may concern:

Be it known that I, WALTER E. BARNARD, a citizen of the United States, residing in Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

The object of my improvement is to provide improved means for holding an envelop-guiding arm in inoperative position. I provide upon the usual guide arm spring, a clip or clips to engage and retain the arm, in the manner hereinafter explained.

In the accompanying drawings, Figure 1 is a perspective, showing the invention applied to the platen carriage of an Underwood typewriter. Fig. 2 shows the envelop-guiding arm in inoperative position. Fig. 3 is a sectional view, with the guide arm in the operative position. Fig. 4 is a perspective of the guide arm tension spring. Fig. 5 is a cross section of the guide arm held under a clip or keeper.

Fastened to the carriage frame 1 by screw 2, is a bracket 3, in which is set a screw 4, which serves as a pivot or axis upon which an envelop-guiding arm 5 swings. Said arm 5 has at its outer end ears 6, 7, and a roll 8 on axle 9, to run on the platen 9^a. In order to afford some up and down play to the envelop-guide arm 5, the holes or bearings 10 therein, which engage the screw or pivot 4, are enlarged, as shown in Fig. 2. To keep this guide in contact with the envelopes, which have varying thicknesses, a leaf spring 11 is employed. This spring 11 is fastened by means of a screw 12 to the carriage frame 1, and its free end controls said envelop-guiding arm 5.

In the operative position of the arm 5, the spring 11 bears against a plate or shoulder 13 forming the back or base of said arm. When the roll 8 passes over a thick part or section of an envelop, the arm 5 will be raised, and upon coming to a thin portion, will be depressed by the spring 11.

When the arm is swung sidewise into the inoperative position, Fig. 2, the spring bears against the side of the arm, holding

it there. While held by this means alone, a slight touch on the arm, or even the contact of the operator's sleeve therewith, would be liable to throw the arm 5 out of its inoperative position, and sometimes even to the operative position. Moreover, while in the inoperative position, said arm 5 might sometimes be raised by spring 11 into the line of vision of the operator, and thus obstruct the view of parts of the writing line. To retain arm 5 positively in the inoperative position, and to protect it from contact with the operator's sleeve, the spring 11 is provided with clips, keepers or guards 14, 15, which have inclines on their under surface from A to B, and declines from B to C. The first incline A—B guides the envelop-guide arm 5 down beneath the clips or keeper, while the decline B—C has a tendency to thrust or cam said arm 5 toward the carriage frame 1, and to hold it there, acting thereon as a latch to prevent the said arm 5 from being accidentally dislodged.

Having thus described my invention, I claim:

1. The combination with a platen and a platen-supporting frame, of an envelop-guiding arm loosely hinged upon the platen frame to swing sidewise in either direction from a position in contact with the platen to a position alongside of the platen frame, a double-acting spring secured upon the platen frame and engaging said guide near its hinge to hold it against the platen or the platen frame, and a clip upon said spring to engage said guide when it is out of use, and hold it against accidental displacement.

2. In a front-strike typewriter, the combination with a shiftable envelop guide, of a spring having clips or keepers, each provided with a decline or cam portion, to hold said guide arm below the line of vision.

3. The combination of a shiftable envelop-guide having enlarged bearings, to allow slight raising or lowering, and a spring having clips or keepers having cam portions to depress said guide arm.

WALTER E. BARNARD.

Witnesses:

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