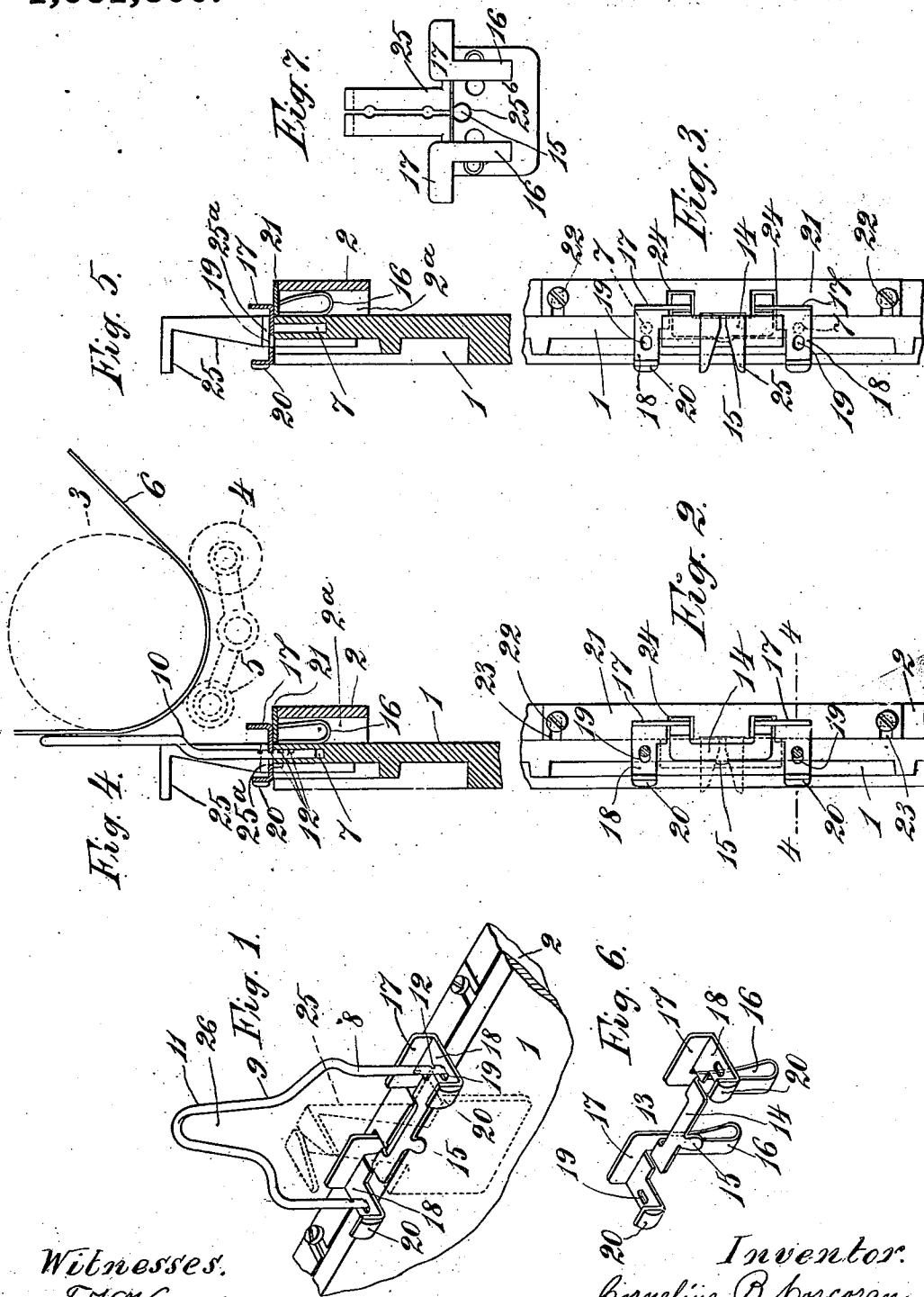


C. B. CORCORAN.
TYPE WRITING MACHINE.
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1,061,600.

Patented May 13, 1913.



Witnesses:
F. W. Wisman
J. A. Brophy

Inventor:
Cornelius B. Corcoran
B. B. Stickney
Att'y

UNITED STATES PATENT OFFICE.

CORNELIUS B. CORCORAN, OF NEW YORK, N. Y., ASSIGNOR TO UNDERWOOD TYPE-WRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

TYPE-WRITING MACHINE.

1,061,600.

Specification of Letters Patent.

Patented May 13, 1913.

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To all whom it may concern:

Be it known that I, CORNELIUS B. CORCORAN, a citizen of the United States, residing in the borough of Bronx, city of New York, 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.

10 This invention relates to a guide such as frequently used as an attachment for a type-writer, cooperating with the platen to hold a card thereon.

15 The object of the invention is to provide improved means for securing this guide in place, and also to construct it so that it can be readily attached or detached.

In the accompanying drawings, Figure 1 is a perspective showing the device, and 20 illustrating the means for securing the same. This view shows a portion of the upper edge of the segment and segment-bracket at the point where the device is applied. Fig. 2 is a plan showing the device with the guide wire locked in place, and shown in cross 25 section. The adjacent portion of the segment and bracket is also illustrated. This view shows the guide-wire in position. Fig. 3 is a view similar to Fig. 2, but with the 30 guide-wire removed. Fig. 4 is a vertical section taken on the line 4-4 of Fig. 2, through the segment illustrating the construction of the attachment and the manner in which the wire is held in position. This 35 view also indicates the platen and guide rollers, and shows a card being applied to the platen. Fig. 5 is a vertical section similar to Fig. 4, but showing the parts with the guide wire removed. Fig. 6 is a perspective 40 showing the wire holder removed from the segment. Fig. 7 is a rear elevation of the wire holder and type-bar guide removed.

I have illustrated the attachment as applied to an Underwood front strike type- 45 writing machine, in which the usual type segment 1 is secured to a segment bracket 2 just in front of, and below the platen 3. The usual rollers 4 and 5 run on the under side of the platen to guide the paper or 50 card 6.

I provide on the upper edge of the segment 1, two oppositely disposed sockets 7. These sockets receive the lower ends of parallel shanks 8 of a bifurcated wire frame 55 or guide 9. The shanks 8 extend upwardly

and are formed with forward offsets or bends 10, from which the material extends upwardly to form a bifurcated tongue 11, and this tongue bears lightly against the platen, and is substantially tangent thereto. 60

The shanks 8 have notches 12, which may be on their rear sides; and in connection with these shanks I provide a holder, which may be in the form of a clutch or clip 13, 65 clearly illustrated in Fig. 6, and adapted to engage said notches. This wire holder is preferably formed of sheet metal, and presents an elongated middle portion or saddle 14, to rest on the segment between the 70 shanks 8.

At the ends of the saddle and on the rear edge thereof, the sheet metal is bent downwardly and upwardly to form depending bow-springs or loops 16, to aid in clutching the wire to the segment. The rear members 75 of these bows are formed with laterally extending ears 17, which are bent forwardly at their lower edges to form plates or shoes 18, to lie upon the upper edge of the segment. In these shoes or plates 18 are formed 80 slots 19, preferably extending forwardly and rearwardly, and through these slots the shanks 8 are passed downwardly when the guide is being attached. The forward ends of plates 18 are bent up to form finger pieces 85 20 to facilitate detachment of the guide.

The usual pocket 2^a between the bar 2 and segment 1 is closed above by a ribbon guide guard 21 attached by screws 22 set in open slots 23. Opposite the loops or springs 16, 90 the forward edge of the guard 21 is cut away, so as to form throats or gaps 24, through which the springs 16 extend down into the pocket.

The foot 25^a of the type-bar guide extends 95 over the saddle 14 and secures the holder 13, and the holder is centered and kept from shifting longitudinally by a tab 15 which projects into an opening 25^b in the type-bar guide, as shown in Fig. 7. This insures 100 alinement between the slots 19 and the sockets 7.

The resiliency of the bows or springs 16 tends to force the locking shoes 18 forwardly, and hold them in the position in 105 which they are indicated in Fig. 5. When it is desired to apply the holding wire 9, the operator presses the parts 20 with his fingers, forcing the shoes 18 backwardly until the slots 19 are brought into alinement 110

with the sockets 7. The shanks 8 can then be inserted in the sockets, and upon releasing the shoes, the rear edge of the slots will engage with a pair of the notches 12.

- 5 When desired, the wire frame may be readily-removed. By providing a plurality of notches 12, the attachment of the wire guide is facilitated, the shoes being permitted to engage the first pair of notches with
10 which they aline.

When the wire guide 9 is not in place, the shoes 18 cover the sockets 7 and keep dirt and erasings from clogging up the sockets.

Having thus described my invention, I
15 claim:

1. A typewriting machine having a platen, in combination with a unitary guide adjacent thereto, and a clip having a resilient extension, said guide having a notch engaging said extension to lock said unitary
20 guide.

2. A typewriting machine having a platen, in combination with a guide adjacent thereto having shanks entering openings in the type segment of said typewriter, and releasable spring-actuated shoes arranged to press the sides of said shanks against the sides of said openings and lock
25 said guide, said shanks each having notches receiving the edges of said shoes.

3. A typewriting machine having a platen and a segment, in combination with a guide-holder secured to said segment and having an integral movable shoe, and a
30 guide having a notch engaging said shoe.

4. In a typewriting machine, in combination, a segment having sockets therein, a platen, a guide having shanks received in said sockets, and having notches in the side
35 of each shank, and latches engaging said notches to lock said guide.

5. In a typewriting machine, in combination, a segment, a platen, a guide cooperating with the platen, a clip connected with said segment and having integral bow-springs, and shoes therebeyond pressed by
40 said springs against said guide to lock said guide.

6. In a typewriting machine, in combination, a platen, a segment, a guide having notches therein, a unitary clip having movable shoes lying on the upper edge of said segment and engaging said notches to lock
45 said guide.

7. In a typewriting machine, in combination, a segment, a bracket supporting the same and cooperating therewith to form a pocket, a guide-holder formed of sheet metal
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having integral bow springs extending down into said pocket, a platen, and a guide 60 cooperating therewith, said guide holder having shoes pressed by said springs against said guide to lock the same.

8. In a typewriting machine, in combination, a platen, a fixed member adjacent 65 thereto having sockets, a detachable guide having shanks received in said sockets, and spring-pressed shoes tending to close the said sockets and cooperating with said shanks to lock said guide against the sides 70 of said sockets.

9. In a typewriting machine, in combination, a platen, a segment, a card guide, a guide holder seating on said segment, and a type bar guide seating on said guide 75 holder, said guide holder having laterally movable shoes engaging said card guide to lock the same.

10. In a typewriting machine, the combination with a platen, of a guide for types 80 striking said platen, a segment, a bracket straddling said guide having legs entering sockets in said segment, and a unitary member having separate spring locking means for each leg to lock said bracket to the 85 frame.

11. In a typewriting machine, the combination with a revolving platen, of a guide for type striking said platen, a segment, a bracket straddling said guide having legs 90 entering sockets in said segment, a locking member to hold said bracket against the sides of said sockets, and a guide on said locking member to held it positioned.

12. In combination, a typewriter comprising 95 a platen, a guide adjacent to the platen, a support for the guide formed with an opening, said guide having a shank entering the opening, and a clip mounted on said support to hold the guide and to cover said 100 opening when the guide is removed.

13. In a typewriting machine, the combination with a revoluble platen, of a guide to cooperate with the platen and comprising shanks, a support for the guide, said 105 shanks entering said support at separated points, and a locking device extending from one shank to the other and having means for engaging each of said shanks, and releasable to permit the guide to be with- 110 drawn from the machine.

CORNELIUS B. CORCORAN.

Witnesses:

PAUL ZIRON,
K. FRANKFORT.