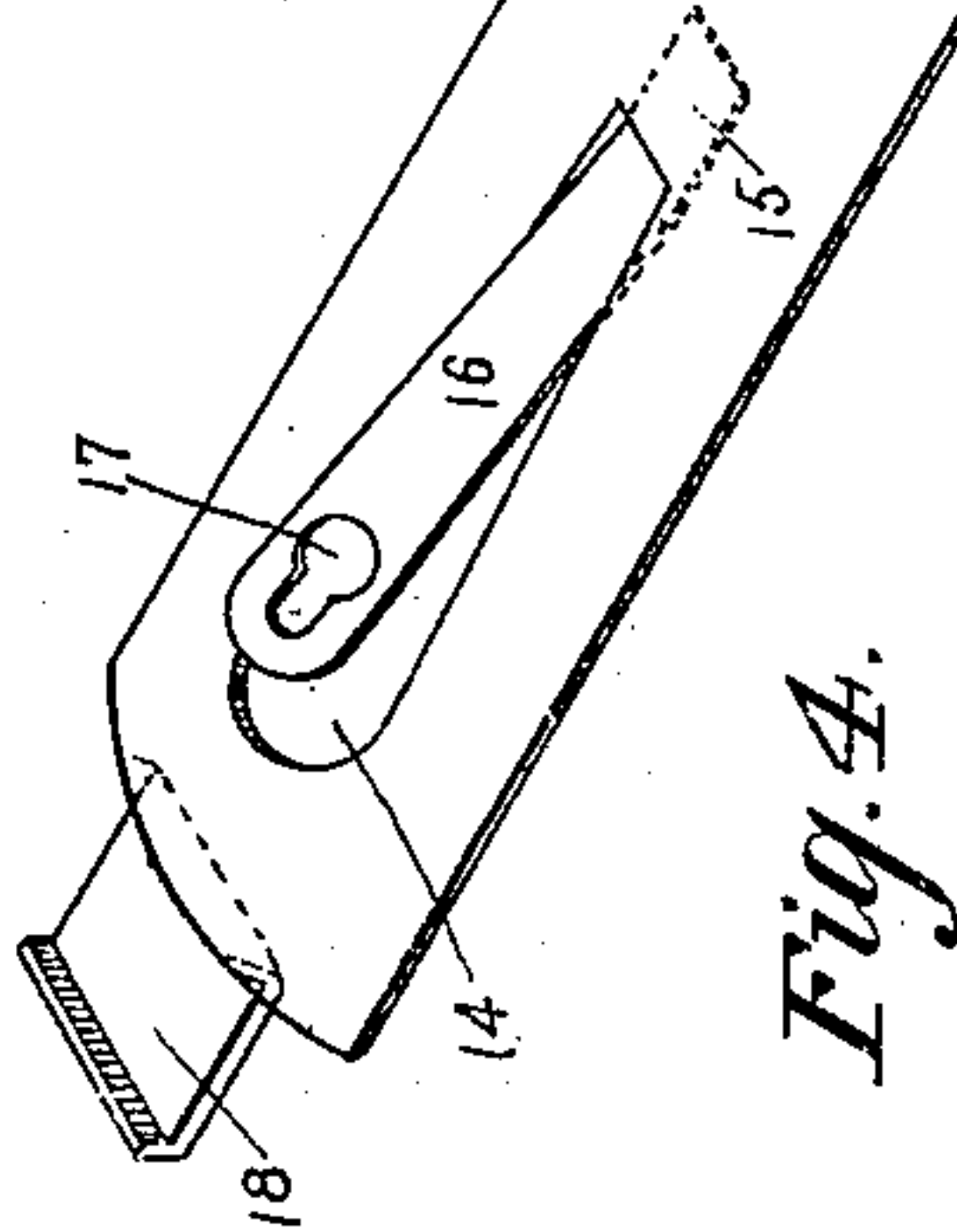
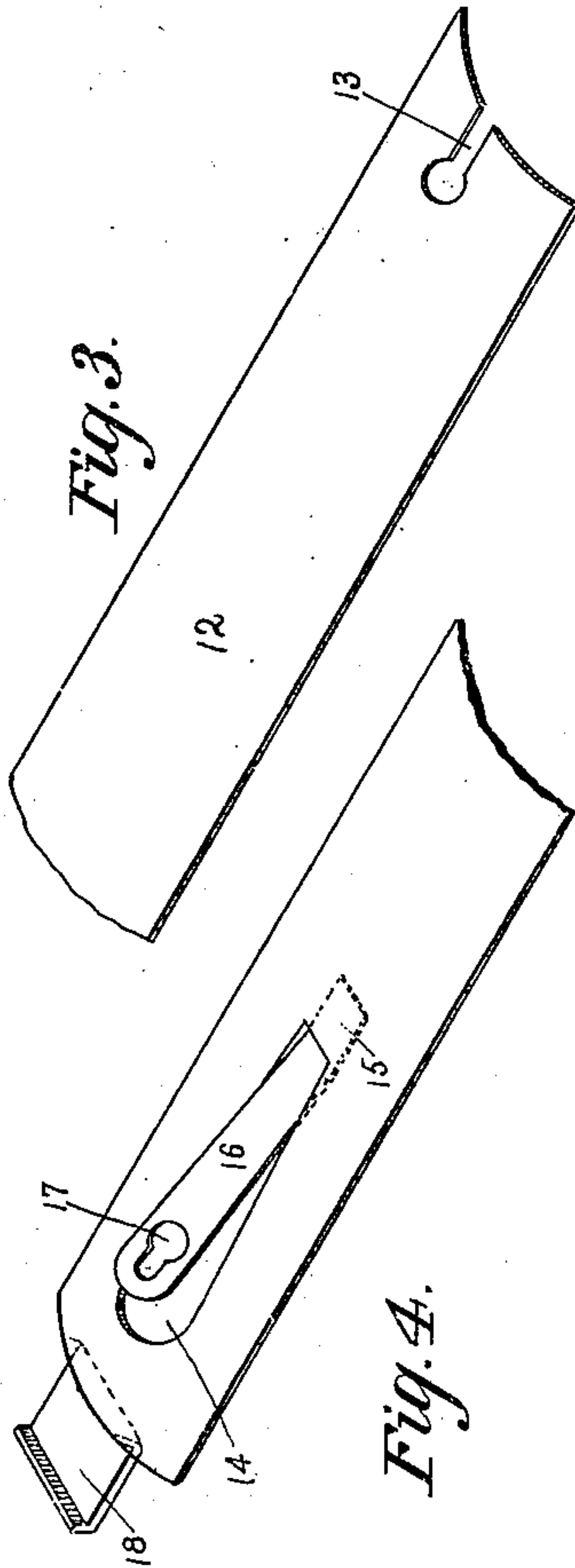
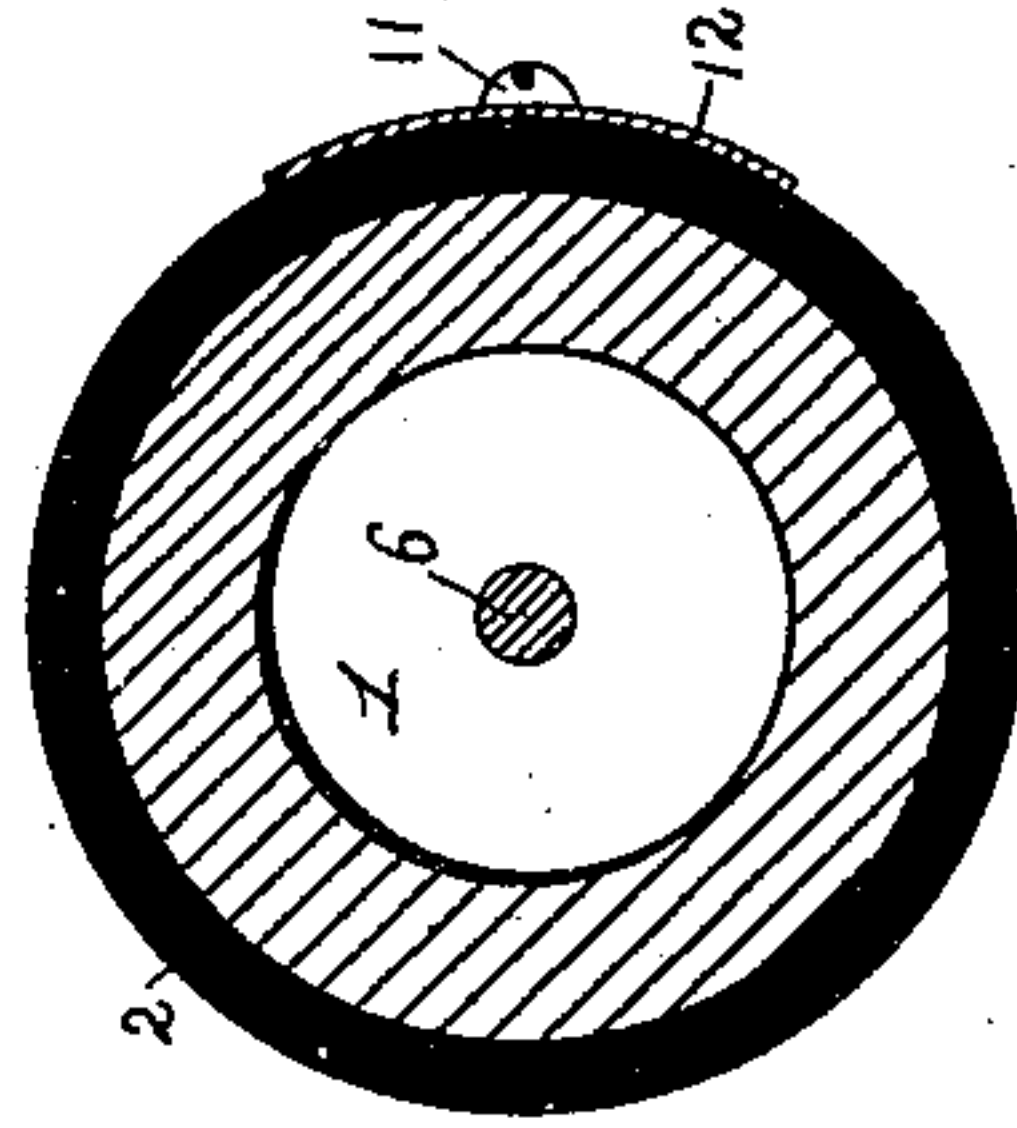
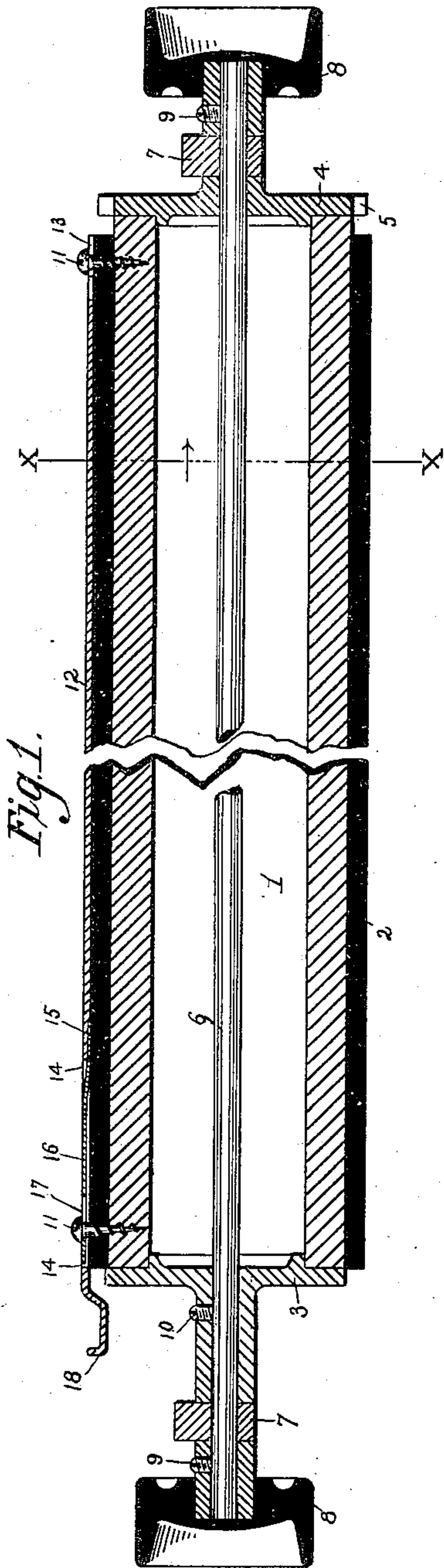


No. 662,142.

Patented Nov. 20, 1900.

W. J. BARRON.
TYPE WRITING MACHINE.
(Application filed Apr. 4, 1898.)

(No Model.)



WITNESSES:

K. V. Donovan.

H. V. Steele.

INVENTOR.

Walter J. Barrow

by

Jacob Felbel.
HIS ATTORNEY

UNITED STATES PATENT OFFICE.

WALTER J. BARRON, OF NEW YORK, N. Y., ASSIGNOR TO THE DENSMORE TYPEWRITER COMPANY, OF SYRACUSE, NEW YORK.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 662,142, dated November 20, 1900.

Application filed April 4, 1898. Serial No. 676,375. (No model.)

To all whom it may concern:

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

One of the main objects of my present invention is to provide a construction whereby a cylindrical type-writer platen may be used either alone when printing is to be done upon paper or in conjunction with an attachable card-holder when printing is to be done upon cards; and to this end my invention consists in the various 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 central vertical longitudinal section of a platen embodying my improvements. Fig. 2 is a vertical cross-section thereof, taken at the line *xx* of Fig. 1. Fig. 3 is a perspective view of the right-hand portion of the card-holder, and Fig. 4 is a similar view of the left-hand portion of the card-holder.

In the several views the same part will be found designated by the same numeral of reference.

The platen, as usual, comprises a hollow or cylindrical core 1, of wood, preferably, and a surrounding cover or sheath 2, preferably of rubber. At the left-hand end of the platen is affixed by a screw or the like a circular head 3 and at the right-hand end of said platen is similarly secured another head 4, provided in this instance with peripheral ratchet-teeth 5, adapted to the usual line-space pawl. (Not shown.) Extending centrally through the platen and the heads thereof is a shaft or axle 6, the outer ends of which are seated in bearings in the end bars 7 of the platen frame or carriage, and the extremities of said shaft are provided with hand wheels or knobs 8, attached by set-screws 9, passing through the hubs of said wheels. The shaft is attached to the hub of the left-hand platen-head 3 by means of a similar set-screw 10.

At each end of the platen is provided a catch device 11, preferably a simple wood-

screw, which is screwed down through the cover and into the body of the core, as shown at Fig. 1, and the head of each screw is arranged to project a slight distance from the surface of the platen.

The bar or card-holder 12, preferably curved transversely to match the curvature of the platen, is specially constructed for ready application to and removal from said platen. The said bar is made of a length practically equal to that of the platen, and at its right-hand end is formed or provided with a slot 13 and at its left-hand end with a large slot or opening 14, both extending longitudinally of the bar. Soldered or otherwise secured at 15 on the under side of the bar is a leaf-spring 16, which is adapted to pass through the opening 14 and which at its outer end is formed or provided with a keyhole-slot 17. The slot 13 is adapted to the right-hand screw or catch 11 and the slot 17 to the left-hand screw or catch for the purpose of holding the bar on the surface of the platen. The bar or card-holder is secured to the platen in the following manner: It is laid upon the surface of the platen and pushed toward the right until the slot 13 embraces the neck of the right-hand screw and the edges of the slot come under the head of said screw, and also until the circular portion or eye of the keyhole-slot 17 stands in alinement with the head of the left-hand screw, whereupon the spring tongue or catch 16 is pressed downwardly or toward the surface of the platen until the eye passes beneath the plane of the under side of the head, and then while the spring-catch is thus held the bar is slid endwise farther to the right, so as to bring the parallel sides of the keyhole-slot under the head of the left-hand screw and the parallel sides of the right-hand slot farther under the head of the right-hand screw. This completes the catching or fastening operation, and the card-holder is firmly locked in position against sidewise or circumferential movement, and is also held against accidental endwise movement toward the left by reason of the tension or friction of the spring against the under side of the head of the left-hand screw. To remove the card-holder, it is simply necessary to move it slightly toward the left until the eye of the

slot 17 in the spring again registers with the head of the catch-screw, when the spring immediately flies outwardly and permits the card-holder to be taken off by a very slight further movement toward the left, sufficient to disengage the right-hand slot from the head of the right-hand screw. It will be observed that I have also made the right-hand slot 13 as of keyhole shape, which permits a slightly different mode of attachment and detachment of the card-holder. To apply the card-holder, the eye of the slot 13 may be passed down over the head of the right-hand screw and the card-holder allowed to bear or rest upon the surface of the platen. The card-holder may then be moved slightly toward the left until the eye of the slot in the spring registers with the head of the left-hand screw, and during this endwise movement to the left the narrow or parallel side edges of the right-hand slot are brought under the head of the right-hand screw, so as to retain this end of the bar in place. The spring is then pressed down over the head of the left-hand screw, and the bar is then moved to the right again, as before; but this movement, which is sufficient to bring the end of the narrow slot in the spring against the neck or shank of the left-hand screw, is, however, not sufficient to cause the eye of the right-hand slot to again register with the head of the right-hand screw, and thus free this end of the card-holder.

Assuming the card-holder to be properly attached to the platen, the card to be printed upon may be conveniently introduced by lifting the card-holder or bar away from the platen a slight distance—an eighth of an inch, more or less—against the tension of its spring, and as a means for facilitating this operation the card-holder is provided with a finger-piece 18, extending beyond the left-hand end of the platen. When this finger-piece is pressed upon in an outward direction substantially radially of the platen, the bar is lifted for nearly its whole length away from the surface of the platen; but the slotted end of the spring being hooked onto the platen by the left-hand screw 11 and the opposite end of the spring moving away from the surface of the platen with the bar it results that the spring is flexed and an increased tension put upon it, which serves to return the bar toward the platen when the finger-pressure

is released and to cause the bar upon its return to securely clamp or hold the card upon the surface of the platen.

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

1. In a type-writing machine, the combination of a revoluble platen, a catch mounted to rotate together therewith in either direction, and a card-holder extending longitudinally of the platen and having a spring-catch adapted to said platen-catch.

2. In a type-writing machine, the combination of a revoluble platen, catches mounted to rotate together therewith in either direction, and a card-holder extending longitudinally of the platen and provided with a spring-catch adapted to one of said platen-catches.

3. In a type-writing machine, the combination of a platen having fixed catches, and a card-holder having a slot adapted to one of said catches and a slotted spring adapted to the other of said catches.

4. In a type-writing machine, the combination of a platen having two fixed catches, and a card-holder having a longitudinal slot at one end and at the other end an attached spring provided also with a longitudinal slot.

5. In a type-writing machine, the combination of a platen having at each end a fixed catch, and a card-holder having a slot at one end adapted to one of said catches and having at the opposite end an opening, and an attached spring accommodated in said opening and provided at its free end with a locking-slot.

6. In a type-writing machine, the combination of a platen having a headed screw inserted at each end thereof, and a card-holder having at one end a slot adapted to one of said screws and at its opposite end an attached spring having a keyhole-slot adapted to the other of said screws.

7. In a type-writing machine, the combination of a platen having the screws 11, and the card-holder having the slot 13, the opening 14, the spring 16 provided with the keyhole-slot 17 and the finger-piece 18.

Signed in the borough of Manhattan, in the city, county, and State of New York, this 2d day of April, A. D. 1898.

WALTER J. BARRON.

Witnesses:

K. V. DONOVAN,
ETHEL WELLS.