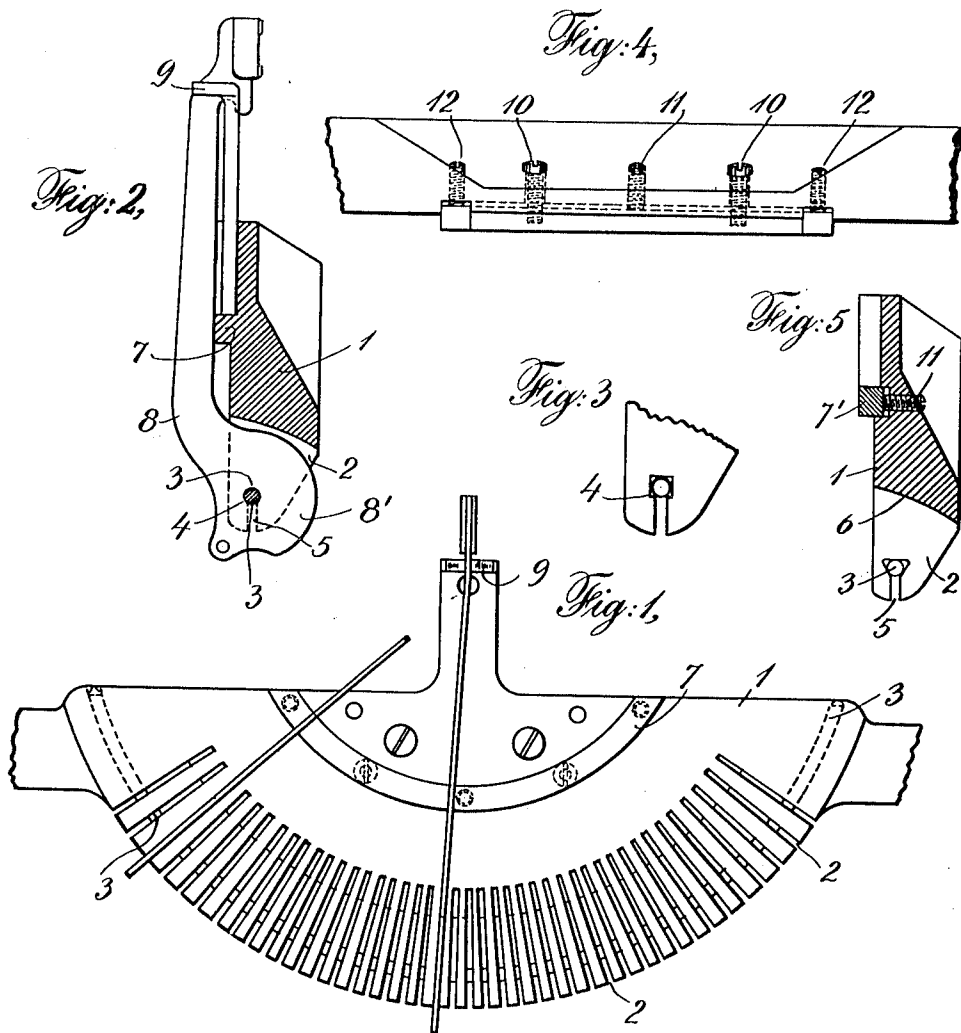


E. B. HESS.
TYPE WRITING MACHINE.
APPLICATION FILED AUG. 18, 1909.

984,275.

Patented Feb. 14, 1911.



WITNESSES:
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EDWARD B. HESS, OF NEW YORK, N. Y., ASSIGNOR TO ROYAL TYPEWRITER COMPANY,
OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

TYPE-WRITING MACHINE.

984,275.

Specification of Letters Patent. Patented Feb. 14, 1911.

Application filed August 18, 1909. Serial No. 513,370.

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 Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to the segment in which the type bars of a front strike machine are mounted and to parts associated therewith.

In the accompanying drawing: Figure 1 a front elevation: Fig. 2, a transverse vertical section: Fig. 3, a detail view showing a modification: Fig. 4, a plan: and Fig. 5, a vertical transverse section showing a modification.

The segment 1 is formed with slots 2 that are cut radially in the periphery and extend from front to rear through the segment. All the type bars are pivotally mounted upon a rod or wire 3 contained in a segmental passage way, seat or groove 4. The seat 4 is formed in manner described in the application of Philip Stern, filed August 26, 1909, No. 514,673 upon which this invention is an improvement; that is to say there is first cut in the periphery of the segment a slot 5 of uniform depth after which the seat 4 for the pivot wire 3 is cut of a greater width than the slot by a tool the shank of which travels in the slot. My construction differs from that of Stern in that the slots 2 are protected by the overlying solid part 6 of the segment and by the type bar abutment 7 from dust and dirt of erasure falling either to the front or rear of the segment. In this case, the type bars 8 are formed with an enlarged pivot end 8', the rear edge of which when the bar is in printing position is in a plane considerably in rear of that in which the type faces lie. Secured to the segment above the abutment 7 is a usual form of type bar guide 9. The abutment 7 is segmental in shape, projects forward from the face of the segment and is

designed to receive the impact of the type bars intermediate their heads and pivots to limit or prevent undue penetration of the type faces into the paper being printed on. Fig. 3 shows the seat for the pivot wire as square in cross section. In either case, the wire which, of course, must be inserted endwise is held firmly and positively in the segment which may be made of a single piece or casting. It is for some reasons deemed advisable that the type bar abutment be made adjustable. A mode of adjustment is indicated in Figs. 4 and 5 in which the abutment 7' is a separately formed segmental piece adapted to receive two screw bolts 10, 10 working through threaded apertures in the segment. Between these two bolts is a screw stop bolt 11 and adjacent each end of the segmental abutment outside of the screw bolt 10 is a stop bolt 12. The abutment may be adjusted to bring its impact surface in a desired plane by manipulation of the adjusting and stop bolts, as is obvious.

I claim:

1. A type bar segment formed of a single piece of metal having peripheral radial slots and an overlying solid portion protecting the slots from the dirt of erasure, a segmental seat to receive a type bar pivot wire and a slot of less width than said seat extending therefrom to the periphery or bottom face of the segment.

2. A type bar segment having slots for the reception of the pivot ends of the type bars, a segmental abutment carried on the face of the segment above the slots, adjustable screw bolts passing through the segment and engaging apertures in the abutment and cooperating adjustable stop screws.

In testimony whereof, I have hereunto subscribed my name.

EDWARD B. HESS.

Witnesses:

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