

(No Model.)

M. G. MERRITT.
TYPE WRITING MACHINE.

No. 573,472.

Patented Dec. 22, 1896.

Fig. 1,

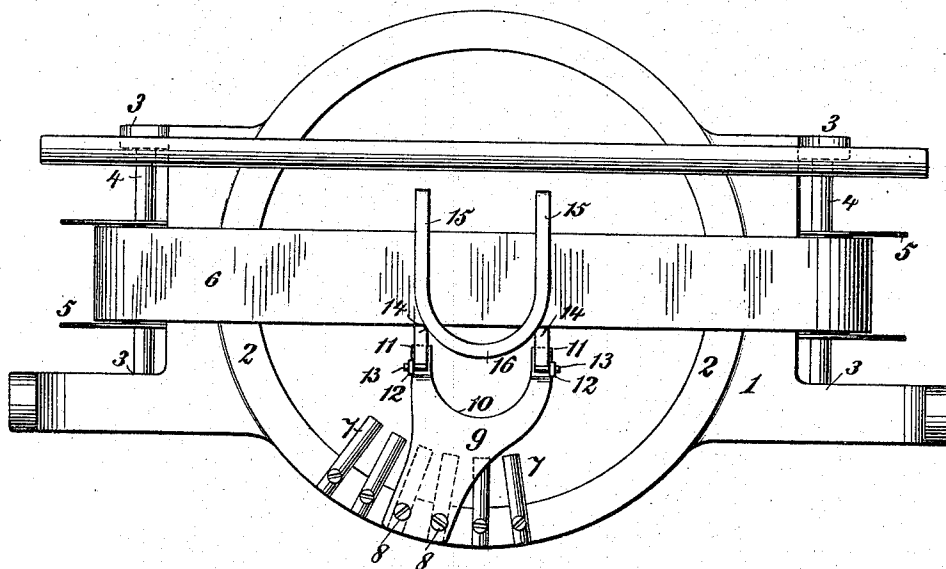
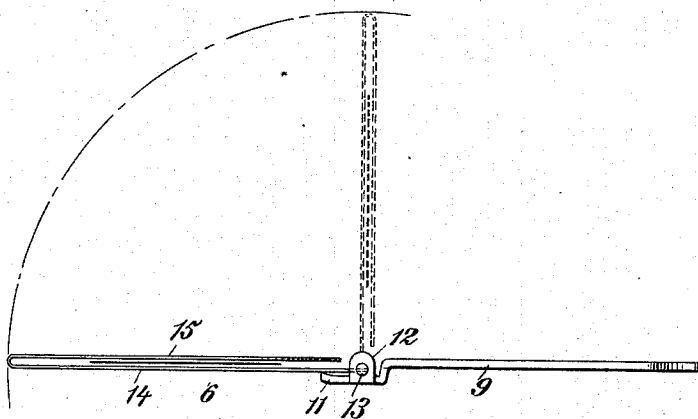


Fig. 2,



WITNESSES:

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MORTIMER G. MERRITT, OF ROME, NEW YORK, ASSIGNOR TO THE DENSMORE TYPEWRITER COMPANY, OF SYRACUSE, NEW YORK.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 573,472, dated December 22, 1896.

Application filed July 23, 1896. Serial No. 600,220. (No model.)

To all whom it may concern:

Be it known that I, MORTIMER G. MERRITT, a citizen of the United States, and a resident of Rome, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

My invention relates to the ribbon support and guide employed centrally of the type-ring and type-bars of a type-writing machine; and, having for its object to afford an improved contrivance, it consists in certain features of detail construction and combinations of parts, all as will hereinafter be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a top plan view of a portion of a "Densmore" type-writing machine embodying my improvements; and Fig. 2 is an enlarged view, in side elevation, of the ribbon support and guide detached.

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

1 designates the top plate, 2 the type-ring, and 3 the side frames of the machine. In the latter are mounted the ribbon-spool shafts 4, bearing each a ribbon-spool 5, adapted to move endwise along its shaft and carry the ribbon 6 widthwise or crosswise, as common in the Densmore machine.

On top of the type-ring are mounted the hangers 7 of the type-bars, a few only of said hangers being shown. Each hanger is held in position by a screw 8, which enters a tapped hole in the type-ring.

9 is a sheet-metal plate made broad enough at its rear end to overlie two of the hangers and perforated at two points for the passage of two of the screws 8, employed to hold two adjacent hangers in position, whereby the said plate may rest upon said hangers and be held in place firmly by their attaching-screws. The said plate projects inwardly and is bent or shaped to terminate in a direction at right angles to the length of the inking-ribbon. At its inner end said plate is cut away, as seen at 10, leaving two parallel horizontal projections 11, at one side of each of which is formed an ear 12, which extends upwardly and which is perforated to receive a pivot or hinge pin 13 on an arm 14, underlying the ribbon and forming a support therefor.

The arms 14 project forwardly at right angles to the length of the ribbon and are made of a length equal to or exceeding the crosswise movement of the ribbon, so as to properly support said ribbon at all points in its transverse movements. The said arms 14 are firmly supported in a horizontal position by the projections 11 in front of the points of pivotal connection of said arms to the plate 9, said projections being slightly upturned at their ends, as seen in the side elevation. Formed integral with said arms 14 and overlying the same and the ribbon are two arms 15, which prevent the ribbon from rising unduly and slipping off the arms 14. The arms 15 project rearwardly and are connected together by an arc-shaped or curved member or section 16, which not only gives strength and rigidity to the arms, but also renders easier the introduction of the ribbon between the two sets of arms 14 15.

The arms 14 are pivoted or hinged to the plate 9 in order that the ribbon and its support may be swung up to a vertical or upright position, as indicated by the dotted lines at Fig. 2, so as to be out of the way when it may be desired to clean or aline the types or make repairs, &c. As the removal of the inking-ribbon from and its return to working position are effected by grasping and swinging the hinged support all liability of the hands becoming soiled by the ribbon is in consequence entirely avoided.

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

1. The combination of a fixed, inwardly-extending support having projections 11 at its free end, and a ribbon support and guide, consisting of the arms 14, hinged back of the said projections, to said fixed support, and the connected overlying arms 15.

2. The combination of the plate 9 having projections 11 and ears 12, the arms 14, having hinge-pins, the integral overlying arms 15, and the connecting member 16.

Signed at Rome, in the county of Oneida and State of New York, this 20th day of June, A. D. 1896.

MORTIMER G. MERRITT.

Witnesses:

C. D. PRESCOTT,
MARY M. BOSTWICK.