

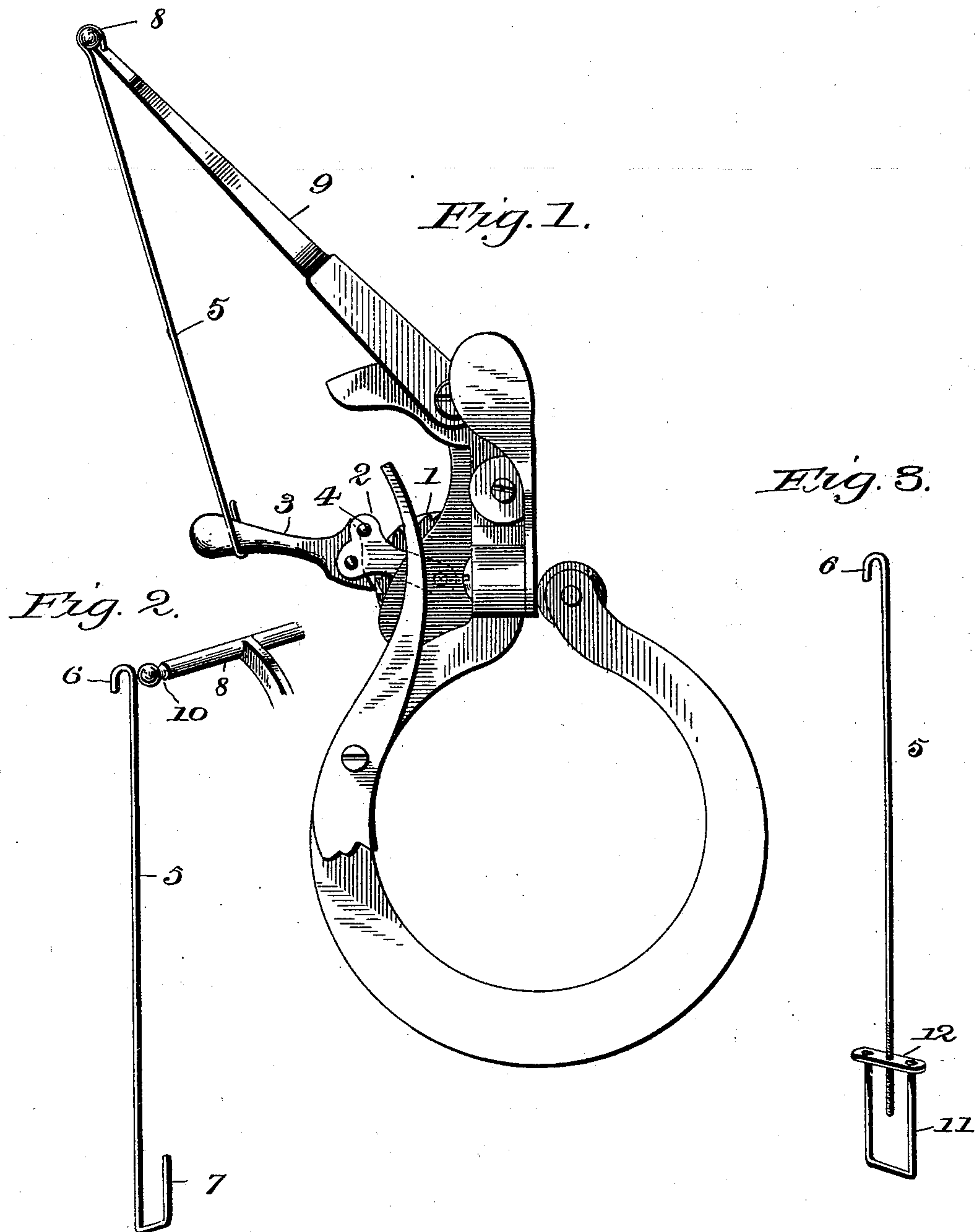
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D. K. WENRICH.
TYPE WRITER ATTACHMENT.

(Application filed May 28, 1898.)

(No Model.)



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UNITED STATES PATENT OFFICE.

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TYPE-WRITER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 622,789, dated April 11, 1899.

Application filed May 28, 1898. Serial No. 682,058. (No model.)

To all whom it may concern:

Be it known that I, DANIEL K. WENRICH, a citizen of the United States, residing at Joplin, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Type-Writer Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to type-writer attachments; and it consists in the novel construction and arrangement of its parts, as hereinafter described.

The attachment is especially adapted to be used in connection with Hammond type-writers as they are now made. However, it may be used to advantage on any machine of similar construction.

The object of the invention is to provide an attachment of simple and cheap construction which is adapted to be applied to any such type-writer without altering any of the parts and without defacing in any respect the machine or interfering with the operation of the same.

The attachment is adapted to hold the feed-roll ratchet-pawl away from the feed-roll ratchet; thus leaving the large feed-roll free. The feed-roll can thus be revolved at will in either direction, and thus bring any line of the paper or any point between the lines in proper position to be written upon.

In the accompanying drawings, Figure 1 is an end elevation of the upper part of a type-writer, showing the attachment in its proper position. Fig. 2 is a perspective view of one corner of the paper-rest and the entire attachment, and Fig. 3 is a perspective view of a modified form of the attachment.

The Hammond type-writer as it is now placed upon the market is provided at one end of the large feed-roll with the feed-roll ratchet 1. The feed-roll ratchet-lever 2 is pivotally connected at its inner end to the shaft of the feed-roll. The feed-roll pawl 3 is pivoted to the outer end of the feed-roll ratchet-lever 2. The ratchet-lever 2 is provided with a stop 4, which is adapted to limit the upward movement of the feed-roll pawl

3, as indicated in Fig. 1. Normally the inner end of the feed-roll ratchet-pawl 3 is in engagement with the feed-roll ratchet 1, and thus the large feed-roll can be revolved in but one direction. However, when the hand is placed under the outer end of the feed-roll ratchet-pawl 3 and the said pawl is elevated the inner end of the said pawl is disengaged from the ratchet, and thus the feed-roll may be revolved in either direction. However, the instant that the hand is removed from beneath the pawl 3 the said pawl descends by gravity and immediately engages the feed-roll ratchet. My attachment consists, preferably, of a single rod or wire 5, which is independent of the usual construction of the machine, the said rod having at its upper end a small hook 6 and at its lower end a large hook 7, the said hooks extending transversely to each other. The large hook 7 is adapted to pass under the outer end of the feed-roll ratchet-pawl 3, and the small hook 6 is adapted to pass over the horizontal bar 8, located at the upper end of the paper-rest 9. The wire 5 is of such length that when placed in position, as shown in Fig. 1, the ratchet-pawl 3 will be held in an elevated position, and thus disengaged from the ratchet 1. The horizontal bar 8 is provided at its end with an annular recess 10, which heretofore has performed no other function than that of ornamentation.

The upper hooked end 6 of the bar 5 is located in the annular recess 10, and thus the upper end of the attachment is prevented from slipping or moving longitudinally along the bar 8. In the form of the invention as shown in Fig. 3 a means is provided whereby the connection between the bar 8 and the ratchet-pawl 3 may be lengthened or shortened, as conditions may require. The lower end of the rod 5 is threaded. The upper end of the said rod is provided with the hook 6, as above described. The yoke 11 is located at the lower end of the rod 5, said yoke having in its upper portion a cross-plate 12, the said cross-plate being provided with an internally-threaded perforation adapted to receive the threaded lower end of the rod 5. The yoke 11 is adapted to receive the end of the ratchet-pawl, and then by revolving the rod 5 the attachment

is lengthened or shortened, and when adjusted to the proper length the hooked end 6 is passed over the horizontal bar 8, as above described, and thus the ratchet-lever 3 is maintained in its proper elevated position.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, a removable attachment independent of the usual construction of the machine, said attachment constructed to engage at one end the ratchet-pawl and at the other end a stationary part of the machine and maintain the ratchet-pawl disengaged from the ratchet.

2. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, an attachment independent of the usual construction of the machine, said attachment having at one end a loop adapted to engage the ratchet-pawl and at its other end a loop adapted to engage a stationary part of the machine, said attachment being thereby adapted to maintain the ratchet-pawl in an elevated position and disengaged from the feed-roll ratchet.

3. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, an attachment independent of the usual construction of the machine, said attachment having at one end a loop adapted to engage the ratchet-pawl and at its other end a loop adapted to engage the horizontal bar of the paper-rest, said loops extending transversely to each other, the attachment being adapted to maintain the ratchet-pawl in an elevated position and disengaged from the feed-roll ratchet.

4. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, an attachment independent of the usual construction of the machine, said attachment constructed to engage at one end the ratchet-pawl and at the other end a stationary part of the machine, and a means for varying the length of the attachment, said attachment being adapted to maintain the ratchet-pawl in an elevated position and disengaged from the ratchet.

5. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, an attachment independent of the usual construction of the machine, said attachment consisting of a wire having at its upper end a loop and at its lower end a thread, and a yoke having in its upper portion a threaded perforation adapted to receive the threaded end of the wire, the yoke adapted to engage the ratchet-pawl, the upper looped end of the wire being adapted to engage a stationary part of the machine, said attachment being adapted to maintain the ratchet-pawl in an elevated position and disengaged from the ratchet.

6. In combination with a type-writer having a feed-roll, a feed-roll ratchet and a feed-roll ratchet-pawl, a removable attachment independent of the usual construction of the machine, said attachment being constructed to engage the ratchet-pawl and a stationary part of the machine and thereby maintain the ratchet-pawl disengaged from the ratchet.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL K. WENRICH.

Witnesses:

J. M. MCADAMS,

CHARLES H. MONTGOMERY.