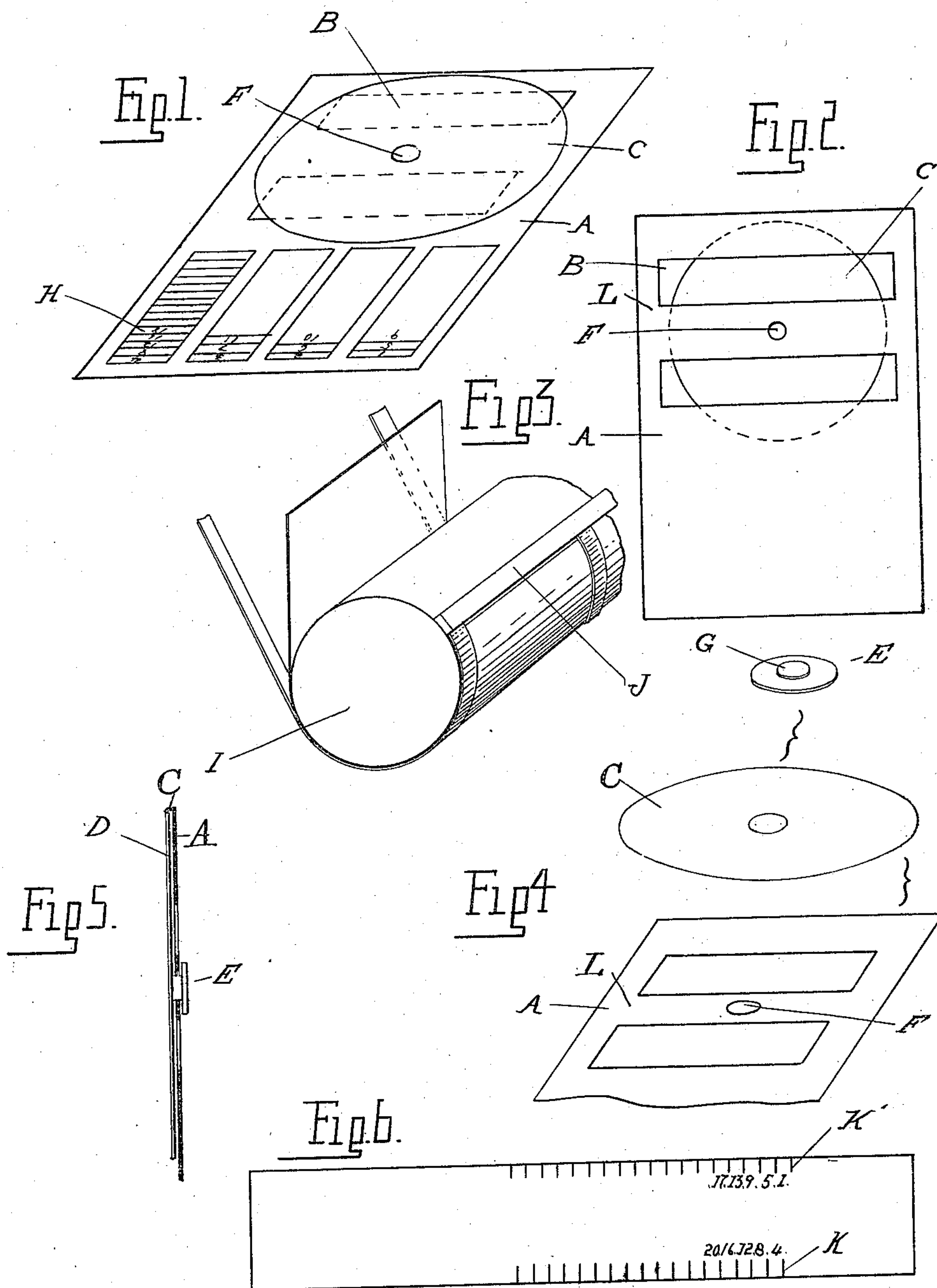


W. G. LATIMER.
 AUXILIARY RIBBON FOR TYPE WRITERS.
 APPLICATION FILED JAN. 2, 1909.

956,112.

Patented Apr. 26, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

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AUXILIARY RIBBON FOR TYPE-WRITERS.

956,112.

Specification of Letters Patent.

Patented Apr. 26, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM G. LATIMER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Auxiliary Ribbons for Type-Writers, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to means for producing duplicate ink copies on the typewriter, and is more particularly designed for use in simultaneously addressing a letter and its inclosing envelop.

The invention consists in the peculiar construction of an auxiliary ribbon or inking device adapted to be inserted between duplicate sheets on the typewriter; further, in the means for shielding the ribbon to prevent smearing of the sheets; further, in the means of adjustment whereby different portions of the inking surface are exposed in repeated operations; further, in the means for registering the exposed portion of the ribbon with the portion of the sheet to be printed; and, further, in the peculiar construction, arrangement and combination of parts as hereinafter set forth.

In the drawings—Figure 1 is a perspective view of the auxiliary ribbon and its holder; Fig. 2 is an elevation of the reverse side from that shown in Fig. 1; Fig. 3 is a sectional perspective view illustrating the ribbon as secured to the platen of a typewriter; Fig. 4 is a perspective view illustrating the manner in which a new ribbon may be applied to a holder; Fig. 5 is a longitudinal section through the ribbon and holder; and Fig. 6 is an elevation of a rule or measure used in cooperation with the auxiliary ribbon for properly setting the same in relation to the work.

My invention is especially applicable for use in addressing circular letters and the simultaneous addressing of the envelopes therefor. For this class of work, it is necessary to print the name and address in varying positions upon the letter sheet, also to print the salutation, and to simultaneously address the envelop with the salutation omitted. My auxiliary ribbon is, therefore, constructed so as to expose a sufficient area of the ink surface for printing the name and address on the envelop. It is further pro-

vided with a means of attachment to the platen of the typewriter which is capable of accurate setting with relation to a stop for said platen which determines its initial position, the construction being as follows:

A is a sheet of paper or other flexible material having one or more apertures B therein.

C is a ribbon or ink holder which is preferably in the form of a circular disk. D is a shield for one side of this ribbon formed of ink-proof paper or flexible material. The disk C is mounted upon the sheet A, and is preferably pivoted thereto so as to be capable of rotary adjustment, and it is so positioned as to expose a portion of its area through the aperture B. As, shown, the disk C is detachably secured to the holder A by means of a journal member E formed of cardboard or similar material. This member is adapted to be inserted in an aperture F in the holder A, and is provided with a gummed surface G which may be attached to the center of the shield D, thereby pivoting the disk C. Below the disk C the holder A has printed on one side thereof a series of scales or indications H. These as a whole form a series of fine gradations with the corresponding numerals printed adjacent thereto, but to avoid confusion the fine gradations are produced by arranging the several scales H differentially on the sheet. This arrangement, as illustrated in Fig. 1, is such that the successive fine gradations are upon different scales, while the markings upon each of the scales are spaced from each other sufficiently to permit the printing of a legible numeral therebetween.

The device constructed as described is intended for use in connection with a typewriter in which the platen I is provided with a stop or bar J which has a predetermined initial position to which it is returned after each operation of the machine before new work is inserted. The holder A is attached to the platen in a predetermined relation to the bar J, this relation being determined by a measurement of the distance from the edge of the letter sheet to the point where the address is to be printed, and then by setting the holder A so as to bring the aperture B in registration. This may be accomplished by means of a rule, such as illustrated in Fig. 6, and having marked thereon gradations K, K', etc. cor-

responding to the gradations H on the holder A. Thus if the distance from the edge of the sheet to the line for the salutation is a number on the scale K, such as at 5 50, by setting the graduation having the same numeral in the scale H' in registration with the bar J on the platen, the holder A will be properly positioned for work. After attaching the holder A to the platen 10 the work may be inserted, the edge of the letter sheet being placed against the bar J and the envelop being also engaged with the platen, but with the ribbon holder A between the same and the letter. The platen 15 may then be adjusted to the proper position and the name, address and salutation printed. The name and address will be printed upon each copy—that is, the envelop and the letter—but the salutation will 20 be positioned in registration with an imperforate portion of the holder A, as indicated at L, and which will shield the envelop from receiving the impression. As frequently as necessary, and preferably after 25 each operation, the disk C is slightly rotated upon the pivot to bring a fresh portion of the surface of the ribbon in position for effecting the printing. On account of the large range of adjustment in the positioning 30 of the address, I preferably provide the holder A with a second aperture B' below the pivoted aperture F, and which may be used where the name and address is relatively low upon the letter sheet.

35 What I claim as my invention is:

1. The combination with a rotary platen, of a manifolding sheet attached thereto and a shield for limiting the exposed portion of said manifolding sheet.

40 2. The combination with a rotary platen, of a manifolding sheet attached thereto, a shield for limiting the exposed portion of said manifolding sheet and paper positioning means upon said platen in predetermined relation to the exposed portion of 45 said manifolding sheet.

3. The combination with a rotary platen, of a manifolding sheet attached thereto having a limited exposed area, and paper positioning means upon said platen adjustable in 50 relation to the exposed area of said manifolding sheet.

4. The combination with a rotary platen, of a manifolding sheet attached thereto, a 55 shield for holding said manifolding sheet normally out of contact with the paper sheet and for limiting the exposed area of said manifolding sheet, and paper positioning

means adjustable in relation to said shield and exposed portion of the manifolding 60 sheet.

5. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible holder sheet for engaging the platen, and a manifolding sheet mounted upon said holder, 65 said holder serving as a shield for limiting the exposed portion of the manifolding sheet.

6. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible 70 holder sheet for engaging the platen, a manifolding sheet mounted upon said holder, said holder serving as a shield for limiting the exposed portion of the manifolding sheet, and a shield for the opposite surface of said 75 manifolding sheet.

7. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible holder sheet for engaging the platen having 80 an aperture therein, and a manifolding sheet mounted upon said holder with a portion of its area exposed through said aperture.

8. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible holder sheet for engaging the platen having 85 an aperture therein, a manifolding sheet mounted upon said holder with a portion of its area exposed through said aperture, said manifolding sheet being adjustable in relation to said holder whereby different por- 90 tions of its surface are exposed through said aperture.

9. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible holder sheet for engaging the platen having 95 an aperture therein, a manifolding sheet mounted upon said holder with a portion of its area exposed through said aperture, and a pivot forming the mounting for said manifolding sheet permitting of the adjustment 100 thereof.

10. An auxiliary ribbon or manifolding device for typewriters, comprising a flexible holder sheet for engaging the platen, a manifolding sheet mounted upon said holder, said 105 holder serving as a shield for limiting the exposed portion of the manifolding sheet, and positioning means upon said flexible holder.

In testimony whereof I affix my signature 110 in presence of two witnesses.

WILLIAM G. LATIMER.

Witnesses:

NELLIE KINSELLA,
HARRY W. GALVIN.