

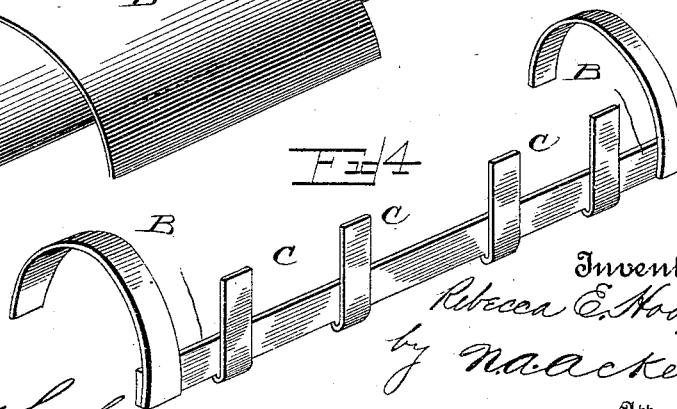
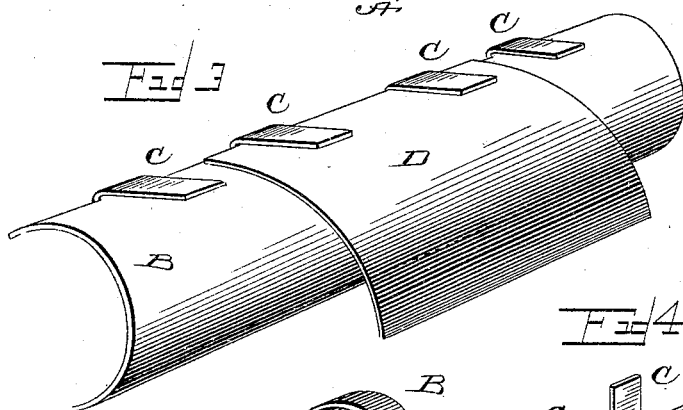
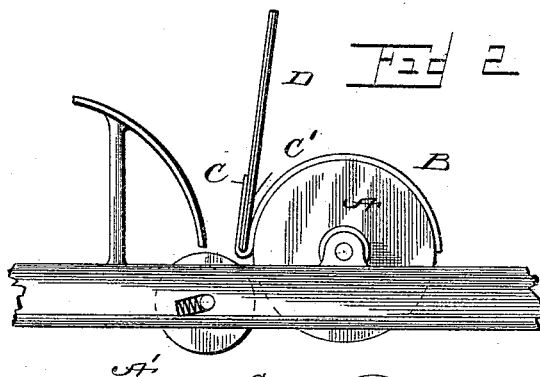
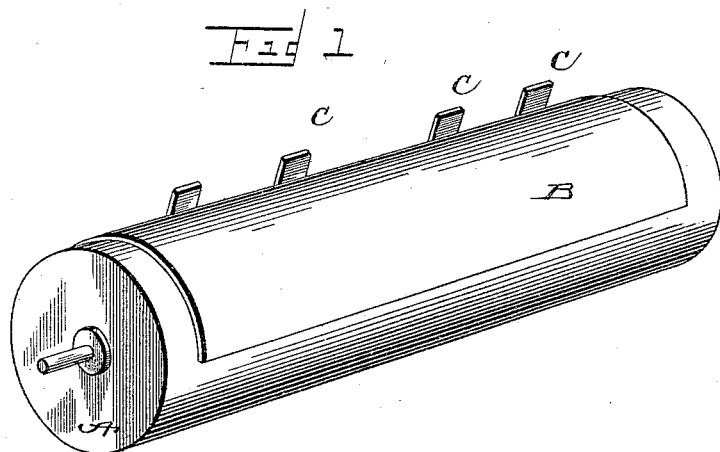
(No Model.)

R. E. HOOPER.

GUIDE SHIELD FOR TYPE WRITING MACHINES.

No. 493,503.

Patented Mar. 14, 1893.



Witnesses

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UNITED STATES PATENT OFFICE.

REBECCA E. HOOPER, OF SAN FRANCISCO, CALIFORNIA.

GUIDE-SHIELD FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 493,503, dated March 14, 1893.

Application filed June 9, 1892. Serial No. 436,105. (No model.)

To all whom it may concern:

Be it known that I, REBECCA E. HOOPER, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Guide-Shields for Type-Writing Machines; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

The present invention relates to a certain new and useful device which I term guide shield for type writing machines, and the same consists in the arrangement of parts and details as will be hereinafter more fully set forth in the drawings, described and pointed out in the specification.

It is well known that much trouble and annoyance is caused users of typewriters in order to address envelopes, &c., in such a manner as to produce an unblurred letter, unless the free end of envelope be held firmly against the carriage roll, and at the same time great difficulty is experienced in placing between the rolls paper sheets when it is desired to secure a number of manifold copies at the same time.

The object of my invention is to provide a simple and effective guide shield, which will permit of ready attachment to the carriage roll, which shield is formed with projecting lugs or fingers adapted to form a guide way within which envelope or ends of sheet may be held in order to insure proper guidance between the carriage rolls, and at the same time hold the paper firmly against the surface of large carriage roll, thus obviating liability of type blurring or smudging paper when brought thereagainst.

Referring to the drawings forming a part of this application, wherein similar letters of reference are used to denote corresponding parts throughout entire specification and several views—Figure 1 is a perspective view of guide shield applied to carriage roll. Fig. 2 is an end elevation of a portion of a typewriter showing the shield in position. Fig. 3 is a detail perspective view of the shield, and Fig. 4 is a similar view showing a modification.

The letter A, is used to indicate the carriage roll of type writer, and A', the smaller pressure roll located behind same. For the purpose of present illustration I have shown my device applied to carriage roll of what is known as the "Remington" machine, although it will be understood that same may be readily attached to any of the well known type writers. My guide shield is represented by letter B, and is constructed of spring elastic material. The shape of the shield conforms to the surface of the carriage roll, consequently when applied closely adheres thereto, owing to its elastic quality, consequently the shield grips surface of roll A. Projecting forwardly from the top of guide shield are the curved arms, lips, or lugs C, which form a guide passage C', within which end of envelope D, is held. These arms, lugs, lips, or fingers may be made integral with the shield or separate therefrom and secured thereto in any well known manner.

While I prefer to provide the shield of spring elastic material and permit of same adhering of itself direct to surface of carriage roll, it is obvious that same may consist of a narrow longitudinal strip having holding flange or arms projecting therefrom, and spring clips be provided for the purpose of securing guide piece to roll of carriage, as shown in Fig. 4.

When it is desired to address envelopes, the guide shield is secured to carriage roll, and end or top of sheet, &c., to be addressed is placed within guide passage formed by projecting arm, flange, lip, or lug. As the roll is rotated the shield is carried thereby until envelope is in proper position to be addressed. It will be noticed that top thereof will be held by guide shield, and the bottom by pressure roll A', as usual, thus causing surface or back of same to firmly bear upon face of carriage roll, thus giving a solid surface for writing on. If only the bottom of the envelope were held, and the top thereof free from contact with carriage roll, a loose surface would be presented to be addressed, which would give to pressure of the type, and consequently cause a blurred impression.

This device will be found of great importance when desired to insert a number of

5 sheets in typewriter at the same time. It is
a difficult matter to properly place same be-
tween surface of pressure and carriage roll
without causing some of the sheets to crawl,
thus causing type-writer line to run at an an-
10 gle. By my device an even feed between the
rolls is insured without creating delays of
carefully adjusting the sheets. After car-
riage rolls make one complete rotation guide
15 shield may be removed by simply exerting
sufficient pressure thereon as will be suffi-
cient to overcome hold thereof upon carriage
roll.

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

1. A guide shield for type writers adapted
to be mounted on the carriage roll and hav-
ing a projecting flange or arm whereby a pas-
20 sage way is formed in which the end of the
sheet may be held.

2. A guide shield for typewriters construct-
ed of spring elastic material, and provided
with guide passage, said shield adapted to be
secured to carriage roll by its own elasticity. 25

3. The combination with carriage roll of a
typewriter, of a spring elastic guide shield
adapted to be secured directly thereto, and of
the holding flange for maintaining writing
material in proper position. 30

4. The combination with carriage roll of a
typewriter, of a spring elastic guide shield,
said shield conforming in shape to surface of
roll and adapted to be held thereon by its own
elasticity, and of the holding flange or arm 35
secured thereto.

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

REBECCA E. HOOPER.

Witnesses:

N. A. ACKER,
J. W. KEYS.