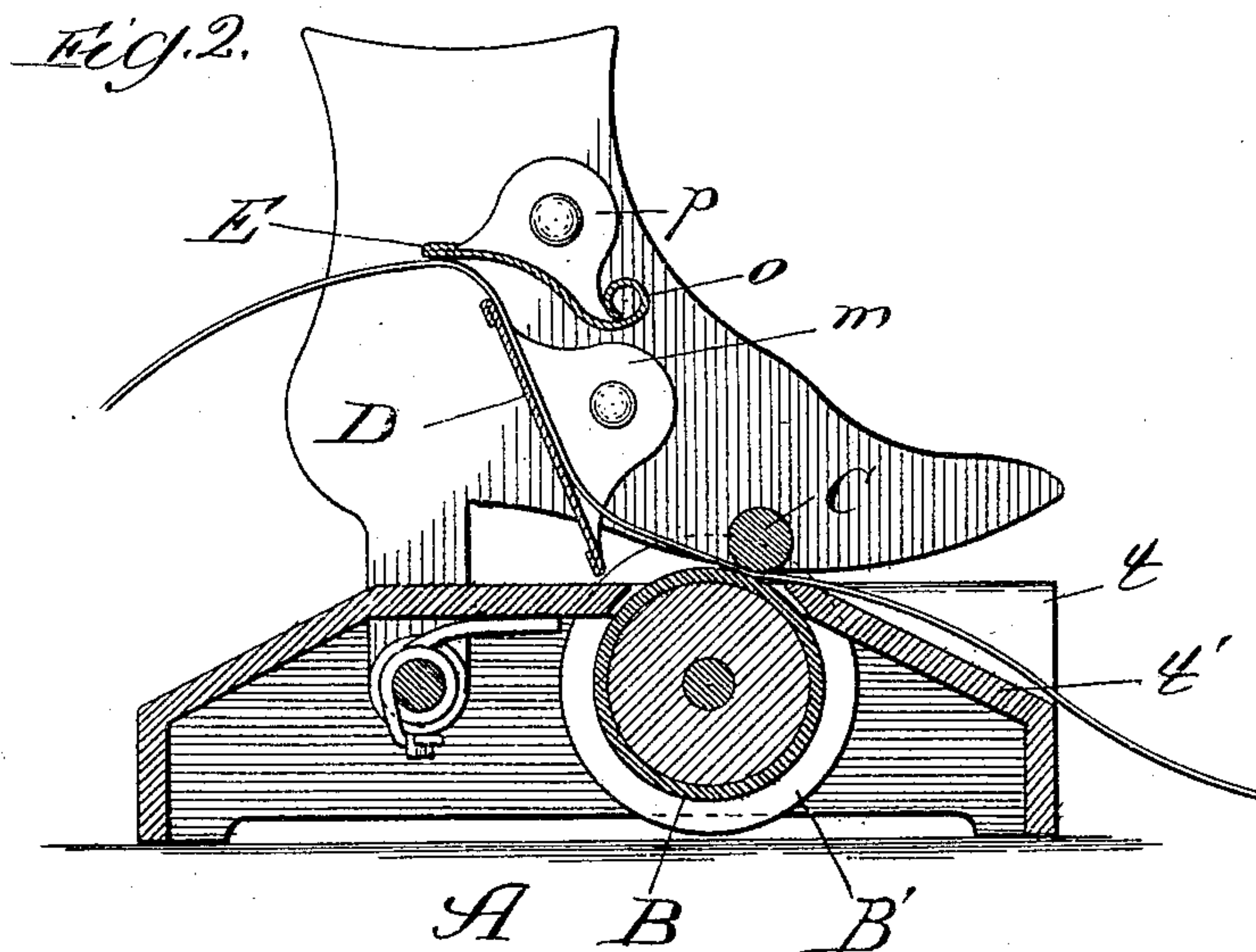
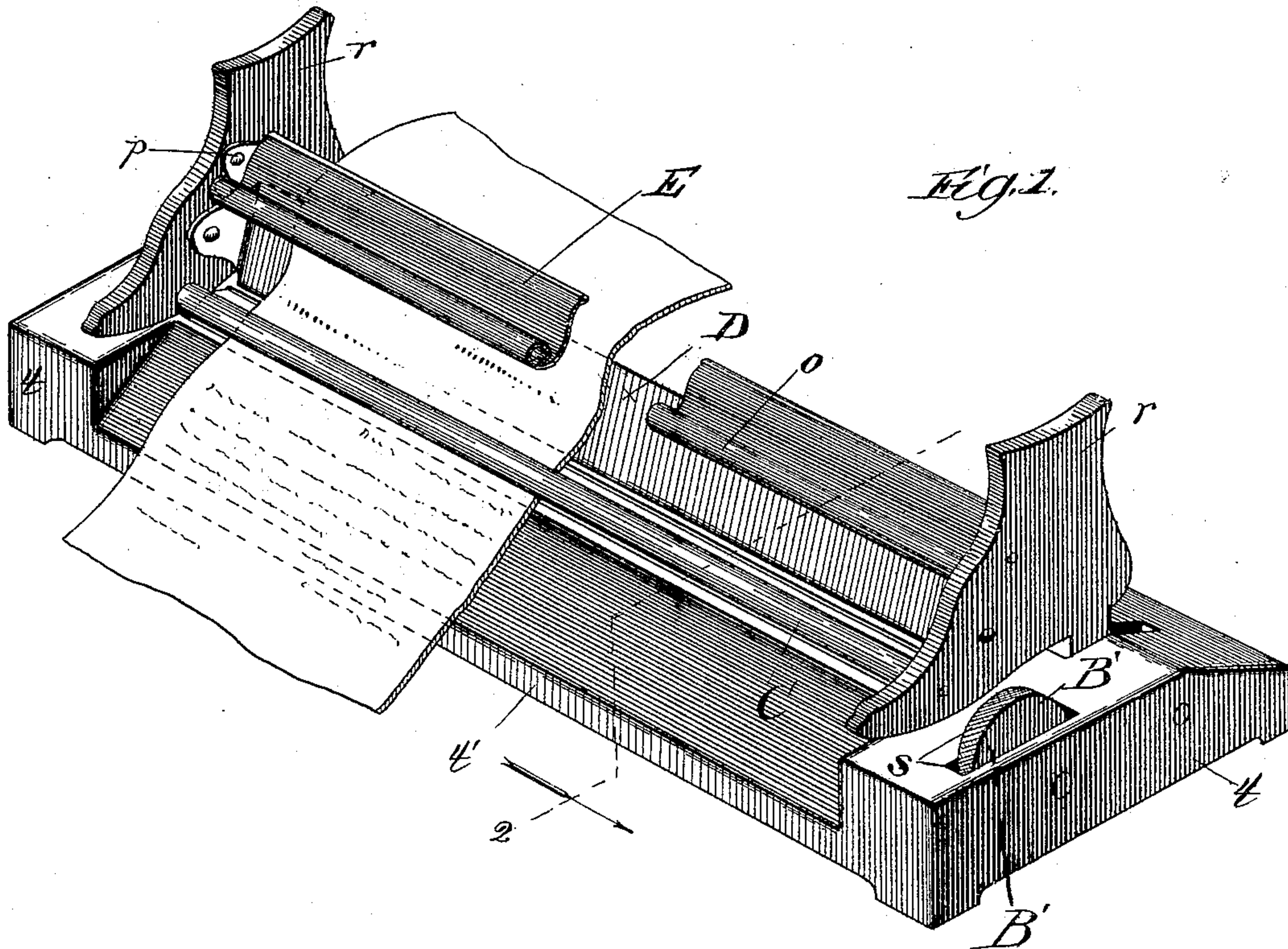


(No Model.)

J. J. HILL.
COPY HOLDER.

No. 496,122.

Patented Apr. 25, 1893.



Witnesses:
Carl E. Gaylord,
Clifford V. White.

Inventor:
John J. Hill,
By *Deerpark & Deerpark*
Attors.

UNITED STATES PATENT OFFICE.

JOHN J. HILL, OF CHICAGO, ILLINOIS.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 496,122, dated April 25, 1893.

Application filed November 26, 1892. Serial No. 453,295. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. HILL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented a new and useful Improvement in Copy-Holders, of which the following is a specification.

My invention relates to an improvement in copy holders, and is more particularly directed
10 to an improvement in devices which while serving in a measure to hold the manuscript being transcribed, are particularly constructed to permit the "lining," so-called, of the copy to facilitate reading while transcribing.
15 In devices of this character it is quite common to provide a sliding finger or bar which may be moved from line to line for this purpose.

The characteristic feature of my invention
20 lies in its mode of operation, whereby the copy is caused to feed onward a sufficient distance, namely, the distance of one line, and the "liner," so-called, or line indicator, or marker, is stationary.

My invention consists in a copy holder comprising essentially a feeding device such as a pair of rollers, a deflecting device behind the feeding device, and usually in the form of an inclined plate, and a curved upper deflecting
30 plate having at its forward side an edge rolled or otherwise which serves to mark the line from above.

My invention consists further in the particular arrangement of parts and in their preferred construction, whereby the feeding of the paper shall give to the latter a normal tendency to rise and thus present an exposed surface to the reader, as well as in the other features all as hereinafter more fully set forth.

In the drawings—Figure 1 is a view in perspective, partly in section, and partly broken away of a copy holder involving my preferred construction; and Fig. 2 is a vertical transverse section on the line 2 of Fig. 1 and viewed
45 in the direction of the arrow.

A is the base which is preferably made broad compared with the height of the copy holder, said base being composed preferably of the hollow end-pieces *t*, and cross-piece *t'*.
50 The end-pieces receive each end of a roller B preferably covered with rubber, one end being provided with a milled wheel B', which

extends upward through a slot *s* in the side-piece *t* to be accessible to the thumb of the operator. Upon a shaft above and out of center with the shaft of the roller B is a friction roller C which may be and preferably is very much smaller in diameter than the roller B. The shaft of the roller C is in a vertical plane in front of the vertical plane of the shaft of the roller B, as clearly indicated in Fig. 2.

Extending upward and backward from a point above the line of the side-pieces *t* and preferably held in brackets *r* surmounting these side-pieces is a plate D, the lower end of which is in the horizontal plane below the upper surface of the roller B. Similarly extending from one bracket *r* to the other in a plane above the top of the plate D is a curved plate E, which it is preferred to form with the ears *p* at each end to permit it to be pivotally supported in the brackets. It is also preferred to give to the forward edge of the plate E an upward curl, as indicated at *o*, this edge *o* being the marker for the lines. It is preferred to support the brackets *r* pivotally upon the base A and to interpose spring hinges *n* to cause them normally to assume the position indicated in Fig. 1, but this is not essential. Where such pivotal arrangement is employed, however, it is preferred to provide the bearing for the upper roller C in the bracket *r*, so that the rollers may be readily separated. The lateral supports for the deflecting plate D may be stationary, but it is preferred to have them in the form of swinging brackets *m* secured to pivot pins in the brackets *r*, whereby the amount of inclination of the deflecting plate D may be changed to suit the convenience of the reader.

The operation of the device herein described is as follows: A sheet of manuscript, or a series of sheets in book-form or otherwise, sufficiently flexible for use in the apparatus, is introduced between the rollers B and C. Turning of the milled wheel B' causes the forward movement of the sheet, which by reason of the roller C being out of line with the roller B is given a normal tendency at its upper or introduced end to curl upward. The advance of the sheet in contact with the deflecting plate D causes its rise to the deflector E which directs it out of the apparatus. The position at this point is indicated on the introduced sheet in Fig. 1.

The marker *o* immediately above a line of print or writing serves to direct the attention of the reader to this line, and at the same time the space below the marker is sufficiently open to enable the reader to examine the matter succeeding that which is being copied.

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

1. In combination with a copy holder having an opening in its front face a feeding device receiving the copy at the front of the holder and feeding it inward across said opening a deflector to cause the copy to rise in its advance, and a line marker supported in such relation to the advancing copy as to mark the lines thereon, substantially as described.

2. In combination with a copy holder having a copy-receiving opening in its front face, a feeding device to hold and feed the copy, a deflecting plate to cause the copy to rise while advancing, and a deflecting plate above the first-named plate, having a lower edge constituting a line-marker and operating to deflect the advancing sheet to cause it to move out of the copy-holder, the space between said deflecting plates constituting the opening through which the copy is read substantially as described.

3. In a copy-holder, in combination, a pair of feed rollers, receiving the copy at the front of the holder through an opening in the front face a deflecting plate *D* arranged in rear of the feed rollers and serving to obstruct the movement of the sheet and cause it to rise in its advance, and a curved deflecting plate *E* above the deflecting plate *D*, said deflecting plate affording in its forward edge a line-marker, substantially as described.

4. In a copy-holder, in combination, a feed-

ing device to hold and feed the copy, comprising a pair of rollers the axes of which are in different vertical planes, the axis of the upper in advance of the axis of the lower roller, whereby the feed of the sheet causes the latter to turn upward at its advanced end, a plate vertically arranged in rear of the rollers, and a line-marker arranged above the rollers and serving to mark the lines on the advancing sheet, substantially as described.

5. In a copy-holder, in combination, a pair of feed rollers having their axes in different vertical planes, means for turning said rollers by hand, a deflecting plate in rear of the rollers, against which the copy sheet impinges in its advance and a curved deflecting plate arranged above the first-named plate and providing in its forward edge a line-marker, substantially as described.

6. In a copy-holder, in combination, roller *B*, and means for turning the same, roller *C* having an axis of rotation in a vertical line in front of the axis of rotation of the roller *B* and co-operating with the latter as a friction feed, a deflecting plate *D* and a curved deflector *E*, the forward edge of which serves as a line-marker, the parts being arranged substantially as described.

7. A copy-holder, comprising, in combination, rollers *B C*, constructed and arranged substantially as described, pivoted deflecting plate *D* in rear of the rollers, and pivoted curved deflecting plate *E* above the plate *D*, the forward edge of which operates as a line-marker, all as set forth.

JOHN J. HILL.

In presence of—

M. J. FROST,

J. N. HANSON.