(No Model.)

H. J. WELCH.

COMBINED COPY HOLDER AND FOLIO INDICATOR FOR TYPE WRITERS.

No. 492,546. Patented Feb. 28, 1893.

Fig. 1.

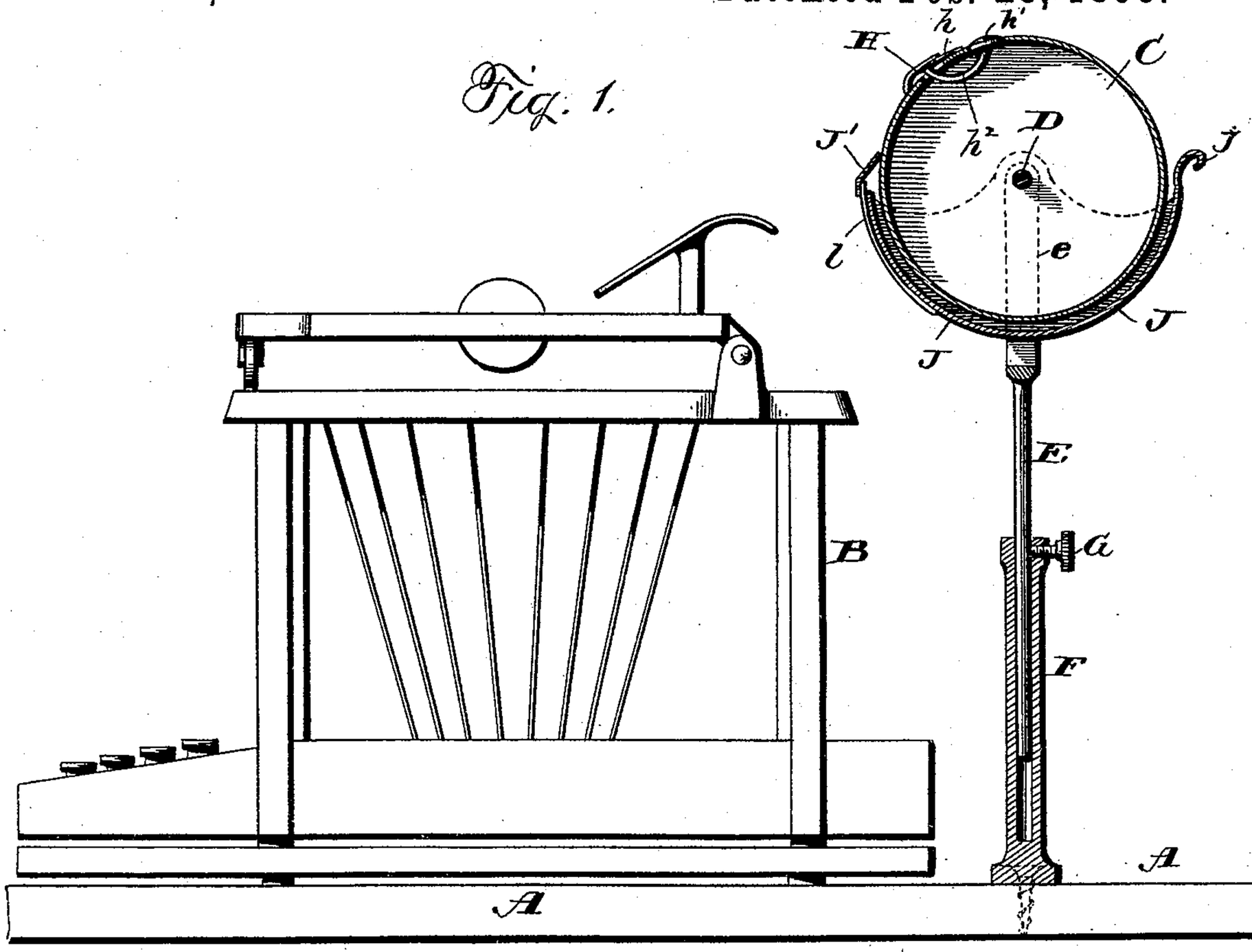
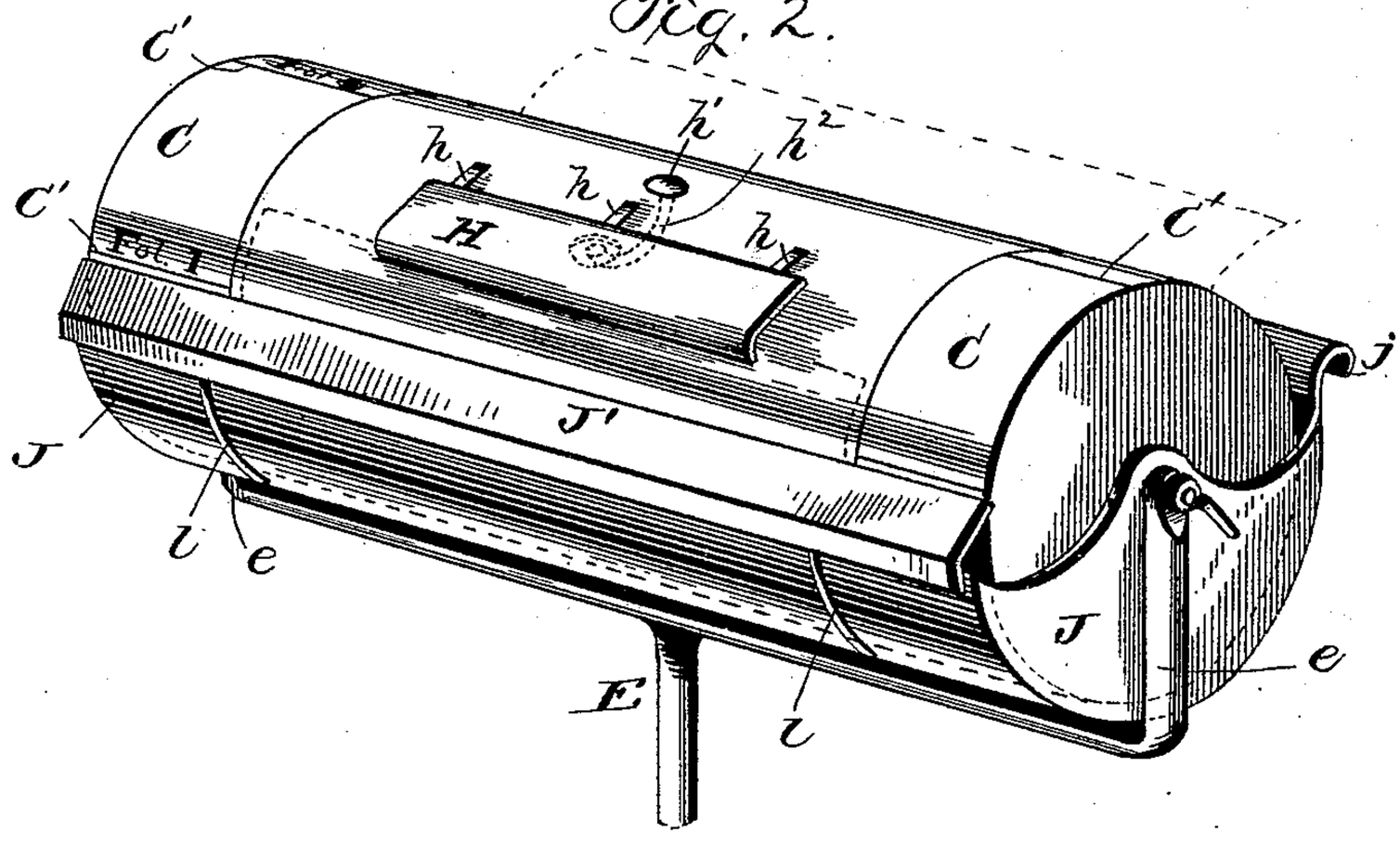


Fig. 2.



Witnesses
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C. W. Curtis.

Inventor
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UNITED STATES PATENT OFFICE.

HENRY JUSTUS WELCH, OF CARTHAGE, NEW YORK.

COMBINED COPY-HOLDER AND FOLIO-INDICATOR FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 492,546, dated February 28, 1893.

Application filed October 3, 1892. Serial No. 447,647. (No model.)

To all whom it may concern:

Be it known that I, HENRY JUSTUS WELCH, a citizen of the United States, residing at Carthage, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in a Combined Copy-Holder and Folio-Indicators for Type-Writers; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in copy-holders for type-writers, and it has for its object to provide a new and useful copy-holder adapted for use in connection with the type-writer stand, which will hold the copy within the direct line of vision of the operator.

A further object is to provide in connection with the copy-holder, means for automatically indicating or gaging the folios, thus avoiding the necessity of counting the words, where, as in legal work; for instance, the folios are used to indicate the precise point.

These and other objects and advantages will be more fully hereinafter pointed out, and the construction by which they are attained, specifically defined in the appended claims.

The invention is fully illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating the same parts throughout the several views, and in which;—

Figure 1 is a side elevation of a type-writing machine, with my improved form of copy-holder shown in cross section in position for use. Fig. 2, is a perspective view of the holder detached.

Reference now being had to the details of the drawings by letter, A designates a type-writing machine table or stand, upon which is placed the type-writer B.

C is a light cylinder made of any suitable material adapted to the purpose. This cylinder is constructed of a length somewhat greater than the width of an ordinary sheet of paper, such as is commonly used for copy, and is preferably about five inches in diameter; though the diameter of the cylinder may be varied, in case the special work for which the holder is designed should demand it. The cylinder C is suitably journaled, and is adapted to be freely rotated upon a horizontal shaft D which is carried at the upper ends of the arms *e*, *e* of the standard E, the lower end of said standard being inserted within the hollow upright F and adjustable vertically within said upright by means of an adjusting screw G. The said upright F is attached at its base by means of screws to the type-writer stand. In practice the device is usually secured to the stand, in the rear of and directly in line with the machine, so as to enable the operator to have the copy carried by the cylinder directly in front of him; thus avoiding the depression or elevation of the head, or the necessity of turning it to one side in order to read the copy.

A paper-clamping device H, constructed preferably of sheet metal and of substantially the form shown, is carried by the cylinder, being attached thereto by springs *h*, *h*, that hold it yieldingly to the surface of the cylinder, and serves as a means for securely holding the upper edge of the copy-sheet to the cylinder, as will be readily understood. In order to permit this clamp to be readily raised so as to admit of the ready insertion of the sheet beneath it, I provide a push or thumb-piece h' placed in an opening in the cylinder, as shown, and connected by an arm h^2 inside of the cylinder, to the under side of the clamp H. By pressing down upon the piece h' the latter will be raised against the tension of the springs. It will be observed that the entire clamping mechanism is so arranged as to project but little above the surface of the cylinder.

The surface of the cylinder C is provided at suitable distances apart, and at both ends of the cylinder, with plainly marked longitudinal lines, as shown at C′. These lines extend inwardly from the extreme ends of the cylinder as shown, and serve to indicate the folios, being placed distances apart corresponding with the space occupied by a folio of the copy.

J is a semi-circular trough of sheet metal, open at its ends, and supported directly be-

neath the cylinder, by and between the standard arms *e*, *e*. This trough has its rear edge turned slightly as shown at *j*, to permit the page or sheet of copy to pass freely over it in leaving the cylinder, while at the opposite or front edge of the trough is a line-guide or indicator J′, consisting of a straight, narrow bar or plate, that is attached by springs *l*, *l*, to the front side of the trough, so as to extend above said edge and rest yieldingly upon the face of the cylinder surface or upon the paper thereon. I make this plate to stand at an angle of about forty five degrees, so as to have it present a flat surface to the eye, and for the benefit of the latter I make the face of the plate green in color.

In use, the copy-sheet is secured to the cylinder, by the clamping device H which grasps the extreme end of the sheet. The operator then turns the cylinder toward him, thus drawing the paper into the space between the cylinder and the trough J, and it will come around the cylinder the same side out as at the starting point, for copying. The folios being thus automatically indicated by the lines C upon the cylinder, may be marked by the operator without necessitating the counting of the words to determine the folios. The copy when finished will be delivered from the cylinder at a point to the rear of the type writing machine, where it will not be liable to be mixed with the type-written sheets from the machine. By the use of the spring-supported line gage, the latter adapts itself automatically to varying thicknesses of paper upon the cylinder, and it is always held so closely to the paper as to prevent it from casting a shadow thereon. It also serves by its frictional contact with the cylinder, as a brake to prevent the too easy or the accidental turning of the cylinder.

The value and importance of the green surface of the line gage will be apparent.

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

1. In a copy-holder for type-writing machines, a rotatable copy-holder or cylinder, having its surface provided with lines or marks to indicate the folios, substantially as and for the purpose described.

2. In a copy-holder for type-writing machines, in combination, a rotatable copy-holding cylinder having its surface provided with folio indicating marks, a semi-circular trough beneath the cylinder and serving as a guide for the paper, and means, as the clamp H, for securing the paper to the cylinder, substantially as specified.

3. In combination, the type-writing machine stand, the upright F pivotally attached to the stand, the standard E adjustable within said upright, the copy-holding cylinder journaled upon a shaft carried by said standard and having its surface provided with folio indicating marks, the clamp upon the cylinder, the trough beneath the cylinder having its front edge straight, and its rear edge turned as described, all substantially as and for the purpose described.

4. In combination with a rotatable cylinder, having its surface provided with marks or lines to indicate the folios a line gage comprising a straight plate or bar yieldingly resting upon the cylinder, substantially as described.

5. In combination with a rotatable cylinder, having its surface provided with marks or lines to indicate the folios a line gage comprising a plate or bar standing at an incline relative to the cylinder, substantially as described.

6. In a copy-holder, in combination with a rotatable cylinder, the spring pressed clamping-plate and the thumb-piece connected on the interior of the cylinder with the plate, substantially as shown and described.

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

HENRY JUSTUS WELCH.

Witnesses:
ALEXANDER Y. STEWART,
ALBERT I. BAILEY.