

(No Model.)

H. STRETCHER.
COMBINED ORDER PLATE AND PAPER ROLL HOLDER.

No. 427,020.

Patented Apr. 29, 1890.

FIG. 1.

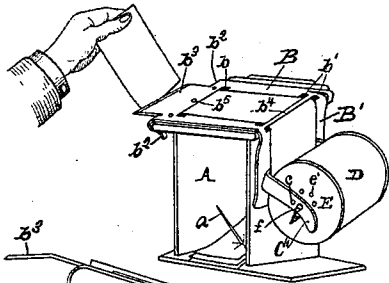


FIG. 2.

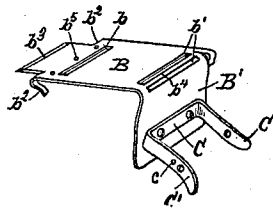


FIG. 3.

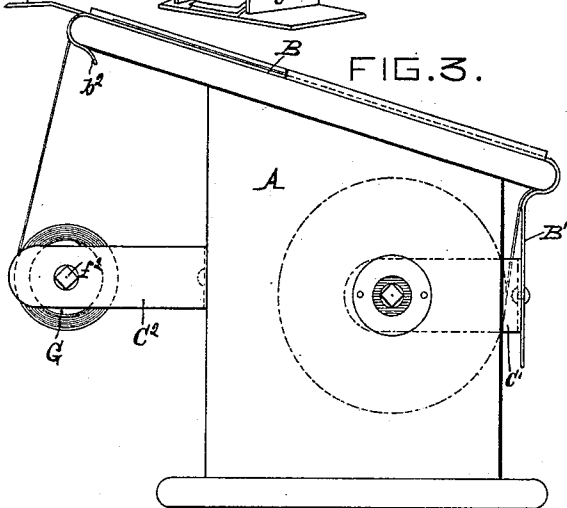


FIG. 6.

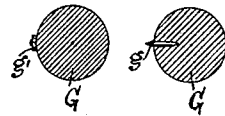


FIG. 4.

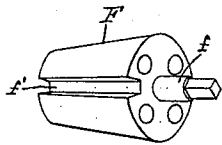


FIG. 5.

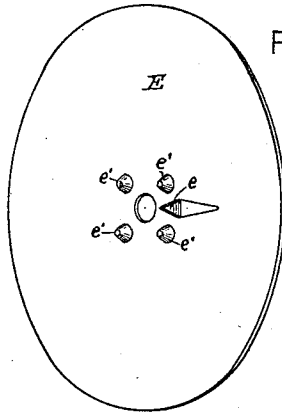
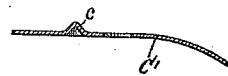


FIG. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

HOWARD STRETCHER, OF CINCINNATI, OHIO, ASSIGNOR TO HOWARD STRETCHER AND HENRY VARWIG, OF SAME PLACE.

COMBINED ORDER-PLATE AND PAPER-ROLL HOLDER.

SPECIFICATION forming part of Letters Patent No. 427,020, dated April 29, 1890.

Application filed November 16, 1889. Serial No. 330,539. (No model.)

To all whom it may concern:

Be it known that I, HOWARD STRETCHER, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Combined Order-Plate and Paper-Roll Holder, of which the following is a specification.

The object of my invention is to provide a combined order-plate and paper-roll holder which may be readily secured upon an order-box, telephone-box, or a portable writing-desk for stenographers, and removed therefrom without injuring the box or desk.

The invention will be first fully described in connection with the accompanying drawings, after which I will particularly refer to and point out the novel parts and combinations of parts which I desire to cover by Letters Patent.

Referring to the drawings, in which like parts are indicated by similar reference-letters wherever they occur throughout the various views, Figure 1 is a perspective view of an order-box upon which my improved device is secured. Fig. 2 is a perspective view of my roll-holder and plate detached. Fig. 3 is a side elevation, upon an enlarged scale, of a portable writing or stenographer's desk provided with my improvements. Fig. 4 is a perspective view, upon an enlarged scale, of a wooden gudgeon, one of which is placed in each end of the paper-roll to furnish its journal-bearings. Fig. 5 is a perspective view upon the same scale of the metal disk, which is coupled to the gudgeon at one or both ends of the roll. Fig. 6 shows, in transverse section, views of two forms of winding-roll for the stenographer's desk shown in Fig. 3. Fig. 7 is an enlarged detail view, in longitudinal central section, of one of the spring-arms for holding the paper-roll.

The order-box A, Fig. 1, is preferably made the same size and shape on top as the desk of a telephone-box, so that a device, as shown in Fig. 2, of the same size may be attached to either.

In order that my device may be readily attached to any telephone-box or desk without nails or screws, I form the plate B out of spring metal, either sheet brass or steel. The

plate is first cut to the proper size, and then is transversely slotted at $b b'$, after which one end is bent down at substantially a right angle. Upon this vertical portion B' is secured the U-shaped piece C, the spring-arms C' of which furnish bearings for the journals of the paper-roll D. The end of plate B is severed a short distance back from the overlapping edge b^3 , and the outside severed strips curved downward to form spring-fingers b^2 to catch under the overlapping edge of the box top and hold the plate in place, as shown in Figs. 1 and 3. The extended end b^3 of the plate B forms a cutting-edge, against which the paper is torn off. The bar b^4 , which divides the two slots b' , may be sprung inward to press the paper against the edge of the box or desk top to give it a slight tension, and the indentations b^5 are for the same purpose, so that the paper will be stretched and lie smoothly upon the top of plate B.

The disk E is centrally perforated to receive the journal-pin f of the gudgeon F, and has an inwardly-projecting pin e , stamped and turned at right angles to its face to enter the groove f' in the gudgeon F to key the disk to the gudgeon. The disk E has also indentations e' made in a circular path around the central opening to engage a teat e , formed by a similar indentation in the arm C' . The object of this arrangement is to gently check the paper-roll D as the teat e enters one of the depressions e' and prevent the paper from unwinding until it is pulled off over the plate B. There are two disks, one at each end of the roll, but only one of them need be formed as shown. The other one may be entirely plain. The indentations in the end of the gudgeon F are mainly to embed the teats formed by the indentations in the outer face of the disk E, and permit the inner face of the disk to lie close against the end of the gudgeon and the paper-roll, but they also assist to couple the disk and gudgeon.

When my device is intended for a writing or stenographer's desk, as shown in Fig. 3, it is more convenient to place the paper-roll-holding arms to project under the plate B. This arrangement brings the roll D under the desk, and consequently out of the way.

To preserve the record in convenient form I have arranged a winding-roll G, in arms C², similar to the roll-holding arms C C'. These rolls may be provided with pins *g* or a clamping-strip *g'*, Fig. 6, to hold the end of the web and draw it from the roll D. The journal of the roll projects beyond its bearing, and the projecting end is angular to receive a key by which to turn the roll and wind the paper written upon around the roll G. In this case, too, I make the journal of the gudgeon F of metal and form upon its projecting end the angular key-seat *f*² to receive the same key which is introduced through a perforation through the side of the box A, so as to wind the paper back upon the roll D, should it be necessary to refer back to the notes already written. This arrangement will also be found very convenient when the notes are to be transcribed upon the type-writer. The operator can wind the paper back upon the roll D before commencing. Then place the desk alongside of the machine and wind it back again upon the rear roll, as desired. After the notes have been transcribed, the roll containing them may be removed, the web severed against the edge *b*³, and the notes preserved in compact form.

In the order-box shown in Fig. 1 a pin *a* is fixed in the bottom, upon which the orders torn off are filed.

To place or replace a roll of paper the gudgeons are forced into each end, the disks placed against the ends of the roll, the journals passing through their central perforations, the pin in the disk entering the groove *f'* in the conical plug. One journal is then placed in its bearing and the arms C sprung far enough apart to introduce the opposite journal. The end of the web is then drawn under the bar *b*¹, over the plate B, and passed down through the slot *b*. Now when an order is written the web is drawn forward by taking hold of its projecting end and the slip torn off against the end *b*³ of the plate B, as shown in Fig. 1.

It is obvious that the order-box, Fig. 1, may, if desired, be fastened down upon a desk or counter. It is also obvious that the form of the plate may be somewhat varied without departing from the spirit or scope of my in-

vention, and the spring-finger *b* at the bend of the plate may be omitted when the plate is curved at its bend to grasp the edge of the desk, as shown in Fig. 3. Other forms of roll-holders may also be secured to the vertical overlapping portion of the plate, as the distinguishing feature of my invention is the spring-plate for attachment to a desk or box without screws or nails, having a paper-roll holder at one end and means, such as shown, for holding the paper while being drawn and at rest upon the plate.

I claim—

1. The combination of the plate B B', transversely slotted as shown and having spring clamping-fingers within the roll, and holding-arms C C', secured to the vertical part B', substantially as shown and described.

2. The combination, substantially as specified, of the box A, the spring-plate slotted at *b b'*, and having spring-fingers turned down from said plate upon opposite sides to secure it on the top of said box, and the spring-arms C C', secured to said plate and adapted to receive and hold the roll with spring-pressure.

3. The combination of the bent plate B B', slotted at *b b'*, and having the extended end *b*³ against which the paper may be torn, the spring roll-holder C C' C', secured to the vertical part of said plate, one or both of said arms having teat *c*, the disk having depressions *e'* to engage said teat and the pin *e*, and the gudgeon F, having a groove *f* to receive said pin, whereby when the paper-roll is mounted upon said gudgeons and placed in said arms the paper is checked from unwinding, substantially as shown and described.

4. The combination, substantially as set forth, of the box A, the plate B B', carrying the roll-holder at one end, the winding-roll secured to the box at the opposite end, and spring-brakes for both rolls, the shafts of said rolls being provided with key-seats, whereby the paper may be wound from one roll to the other and drawn tightly in its passage over the plate B.

HOWARD STRETCHER.

Witnesses:

GEO. J. MURRAY,
FRANK. L. MILLWARD.

Correction in Letters Patent No. 427,020.

It is hereby certified that in Letters Patent No. 427,020, granted April 29, 1890, upon the application of Howard Stretcher, of Cincinnati, Ohio, for an improvement in "Combined Order-Plate and Paper-Roll Holder," an error appears in the printed specification requiring the following correction, viz: On page 2, in line 66, the word "within" should read *with*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 6th day of May, A. D. 1890.

[SEAL.]

CYRUS BUSSEY,
Assistant Secretary of the Interior.

Countersigned:

C. E. MITCHELL,
Commissioner of Patents.