C. C. COLLINS.

COPY HOLDER.

APPLICATION FILED JUNE 12, 1915.

1,172,943. Patented Feb. 22, 1916.

Fig. 1.

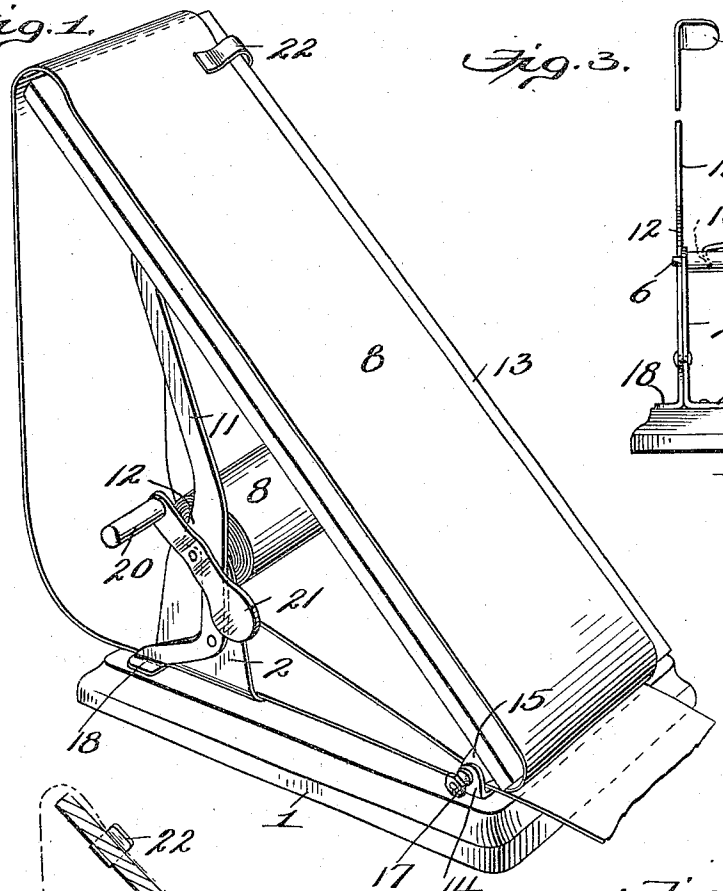


Fig. 3.

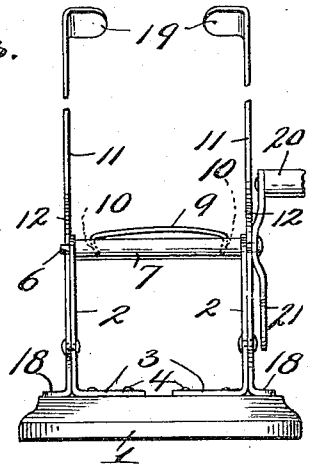


Fig. 2.

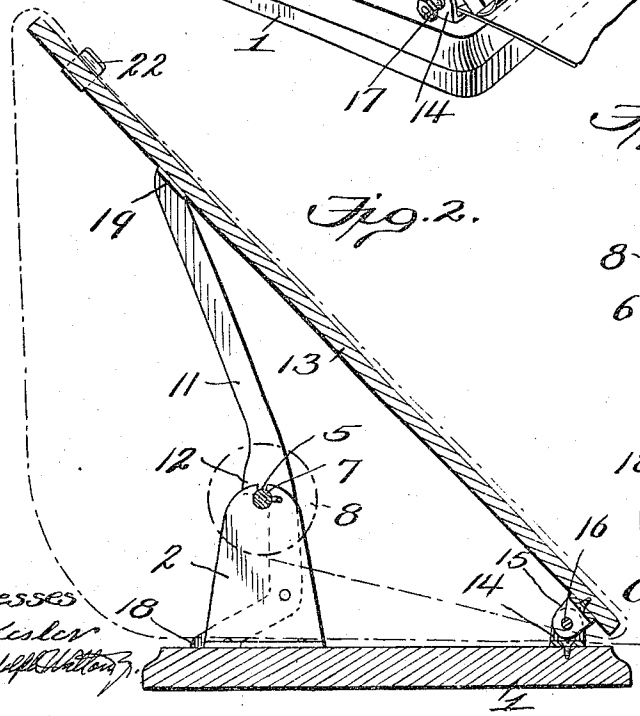
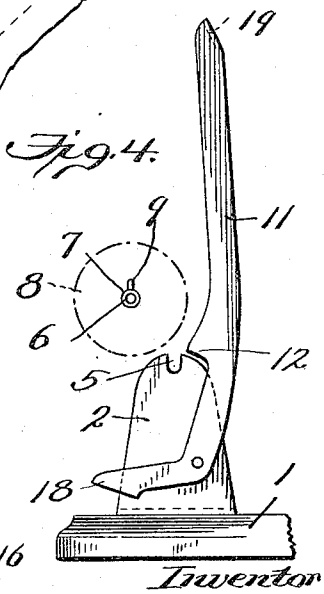


Fig. 4.



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COPY-HOLDER.

1,172,943. Specification of Letters Patent. Patented Feb. 22, 1916.

Application filed June 12, 1915. Serial No. 33,817.

To all whom it may concern:

Be it known that I, CHARLES C. COLLINS, a citizen of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented new and useful Improvements in Copy-Holders, of which the following is a specification.

This invention relates to copyholders, and more particularly to a type of copyholder adapted to support and display stenotype notes.

The object of the invention is to produce a holder of novel construction for a roll of stenographic notes and which will permit the notes to be displayed by transcription.

It is also an object of the invention to produce a device of the character mentioned of a simple construction which is easy to manipulate and inexpensive to manufacture.

With the above objects in view, the invention consists in supporting bearings for a roll of stenographic notes and in a pair of pivoted arms adapted to be moved into and out of engagement with the shaft of the roll for maintaining the latter upon the supporting bearings and for allowing the same to be removed therefrom when desired.

The invention also consists in providing a base member for said supporting bearings having hinged thereto a table or tablet, said pivoted arms having engagement with the base when moved into a position for maintaining the roll of notes upon its bearing, and adapted to support the hinged tablet in operative position, or in position for legibly displaying a portion of the stenographic notes of said roll. Said pivoted arms perform a dual function, namely: by removably maintaining the roll of stenographic notes upon its bearings and for supporting in position a hinged tablet adapted to display said notes. Means are also provided for yieldingly supporting the notes upon said tablet.

The invention further consists in a certain novel construction, arrangement and combination of parts hereinafter more fully described and finally pointed out in the appended claims.

Referring to the drawings: Figure 1 is a perspective view of the invention; Fig. 2 is a vertical side sectional view of the invention, illustrating a strip of stenographic notes being threaded through the holder; Fig. 3 is a rear end detail view, illustrating the roller bearing support and the pivoted arms adapted to removably maintain said roller on its bearings; and Fig. 4 is a side elevation of Fig. 3, illustrating the roller removed from its bearings.

Like reference characters denote similar like parts throughout the specification and drawings.

Referring particularly to the drawings, 1 denotes a base member having mounted upon its upper surface and adjacent its rear end a pair of spaced bearing supports 2, said bearing supports being formed of sheet metal having one end bent at right angles thereto to provide a foot 3 secured to the base 1 by any suitable means, however, in the present instance, by the screws 4. The upper end of the bearing supports are recessed, as shown at 5, to provide bearings for the reduced ends 6 of the shaft 7, the latter being adapted to have wound thereupon the strip of stenographic notes 8. It may be found advantageous to have the stenographic notes already wound in rolls and to extend the shaft 7 through the center of the rolls, in lieu of winding the strip of notes 8 thereupon. In anticipation of this, the shaft 7 is provided with a bow spring 9 extending longitudinally thereof and having its free ends 10 bent laterally therefrom and extended into the shaft 7, whereby the bow spring is secured to the shaft. It will be seen that when a roll of stenographic notes 8 is placed upon the shaft 7, the spring 9 will expand outwardly from the shaft and yieldingly engage and hold the roll 8 against loose play thereupon. Pivotally mounted on the outer sides of the bearing supports 2 are the arms 11, said arms being formed intermediate their ends with an enlarged or projecting portion 12 adapted to overlie the end 6 of the shaft and to retain the same against removal from their bearings 5, as may be seen from Fig. 2. Said arms may be moved to a position, as shown in Fig. 4, to permit the renewal of a new roll of stenographic notes 8.

Hinged to the forward end of the base 1 is a table or tablet 13 adapted to support in legible or display position the stenographic notes 8, the notes passing over the tablet 13 from the roll supported on the shaft 7. The tablet may be hinged to the base 1 in any suitable manner, however, in the present instance, the hinged connection consists of two substantially U-shaped mem-

bers 14 and 15, the member 15 being slightly smaller than the member 14 and adapted to have its legs extend between the legs of the member 14. A connecting rod 16 coextensive with said members extends through said legs and is adapted to receive on its opposite ends the threaded nuts 17, the U-shaped members 14 and 15 being suitably secured by means of screws, or other suitable fastening members to the base 1 and tablet 13, respectively.

The lower ends of the arms 11 are formed with a stop foot 18 adapted to engage with the base 1 when the members are moved in position, as shown in Fig. 2. The upper ends of the arms 11 are provided with angular rest portions 19 adapted to be engaged by the upper or rear portion of the tablet 1 and to support the latter into operative position for legibly displaying the stenographic notes. The stop feet 18 of the arms 11 are arranged so as to engage with the base 1 and relieve the pressure exerted, upon the upper ends of the arms, by the tablet 13 from the end 6 of the shaft 7, thereby permitting the shaft to rotate freely in its bearings 5.

As shown in the drawings, the tablet 13, when in operative position, extends upwardly and rearwardly from the base 1 at an acute angle with respect thereto.

The stenographic notes are threaded through the copy-holder from the roll 8 bv extending its loose end between the U-shaped hinges 14 and 15, around the forward or lower end of the tablet 13 and over the upper surface of the tablet 13, around the upper end of the tablet, and thence downwardly under the roll 8 through the U-shaped members 14 and 15, to a suitable receptacle, as shown in Figs. 1 and 2. A crank handle 20 is secured to one of the ends 6 of the shaft 7 for rotating the shaft and the stenographic notes when occasion requires. The handle 20 is formed with a counter-balance 21 extending diametrically opposite to the handle so as to permit an even rotation of the shaft 7.

Aside from the uses above mentioned, the bow springs 9 serve to keep the roll from slipping when the paper is wound onto the shaft 7. The corners of one end of the paper are folded down, thus forming a pointed end which is then slipped under the bow spring and folded back to securely hold said end upon the shaft as the paper is being wound thereon. A clip 22 is suitably secured to the under side of the tablet 13 adjacent its upper or rear end and extends around the side edge of the table, and frictionally and yieldingly engages with an edge of the paper strip 8 so as to hold the latter in taut position upon the tablet, the spring 22 permitting the strip of notes 8 to slide thereunder when the strip is deliberately moved or fed through the copyholders. The clip 22 also serves to hold in position upon the tablet 13 single letters or other matter when the strip of notes is too short to be wound upon the shaft in the usual manner. It will thus be seen that the notes are fed from the roll 8 over the tablet 13 and thence to a suitable receptacle.

Having thus described my invention, it is believed that a clear and full understanding of the same may be had, however, it is to be understood that certain changes as to the precise construction and combination of parts may be resorted to that fall within the legitimate scope of the appended claims.

What is claimed is:—

1. A device of the character described comprising a base member, upright supporting members secured to the base member and adapted to have a roll of paper journaled therein, a hinged tablet secured to the base member, and bracket arms each pivoted intermediate its ends to one of said supports and having one of its ends adapted to support said tablet in position and its other end adapted to rest upon said base member.

2. A device of the character described comprising a base member, upright supporting members secured to the base member, a roll supporting shaft journaled in said upright members, a tablet hinged to said base member, and bracket arms each pivoted to one of said uprights and provided with means to retain said shaft upon its bearing and with means to support said tablet, said shaft retaining means and said tablet supporting means being simultaneously moved into and out of position when said arms are moved upon their pivots.

3. A device of the character described, comprising a base, shaft-supporting means carried by said base adjacent to its rear end, a roll shaft removably journaled in said shaft-supporting means, a tablet hinged adjacent to its lower corners to the forward end of said base to provide a space between the lower edge of the tablet and said base for the passage of paper from the roll shaft over said tablet, and an arm pivoted intermediate its ends to said shaft-supporting means and having its upper end adapted to support said tablet and its lower end to rest upon said base, said arm having means intermediate its pivot and its upper end to engage said shaft to hold it against removal from its bearing, said shaft-engaging means being movable into and out of engagement with the shaft when said arm is moved into and out of position to support the tablet.

4. A device of the character described, comprising a base, a tablet hinged to said base adjacent to its forward end, shaft supporting means carried by said base, a roll shaft rotatably and detachably mounted in said supporting means, and means pivoted

to said shaft-supporting means adapted to engage and retain said shaft in its bearings and having extensions to engage said tablet intermediate its ends and support said tablet when said shaft-engaging means is moved into position to engage the shaft.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES C. COLLINS.

Witnesses:
D. H. SULLIVAN,
MOLLIE O'NEIL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."