L. P. CURTIS.

ADJUSTABLE COPY HOLDER.

APPLICATION FILED JUNE 12, 1920.

1,400,730. Patented Dec. 20, 1921.

Fig. 1.

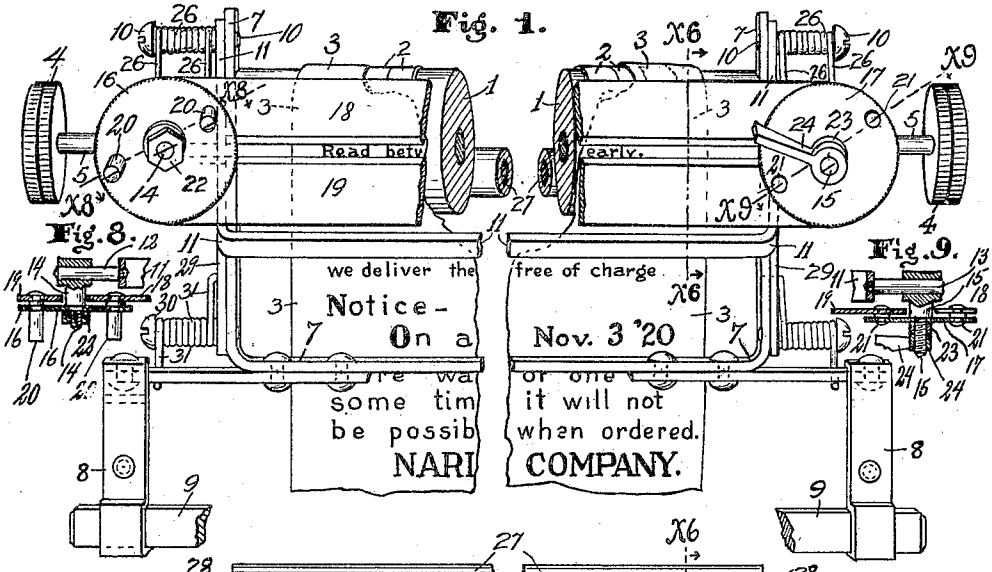


Fig. 8.

Fig. 9.

Fig. 2.

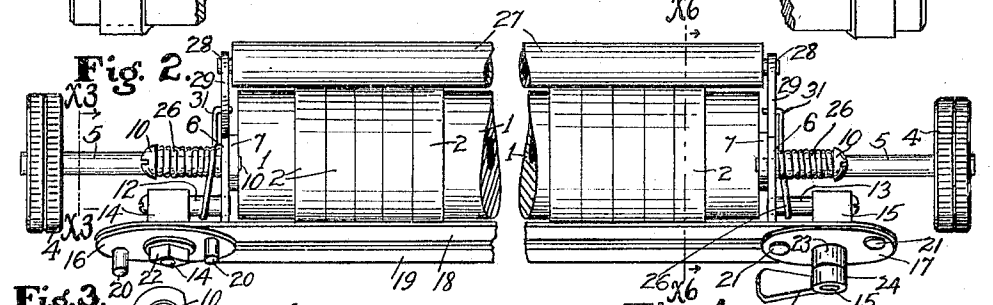


Fig. 3.

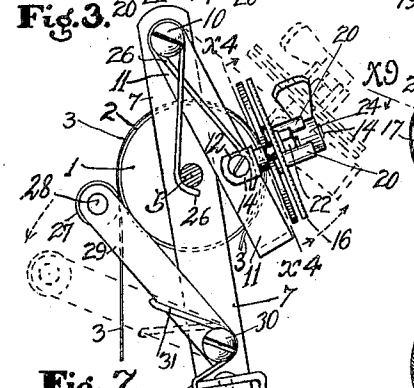


Fig. 4.

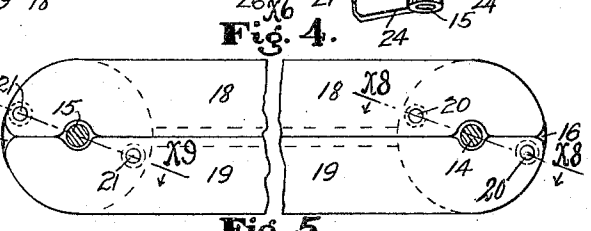


Fig. 5.

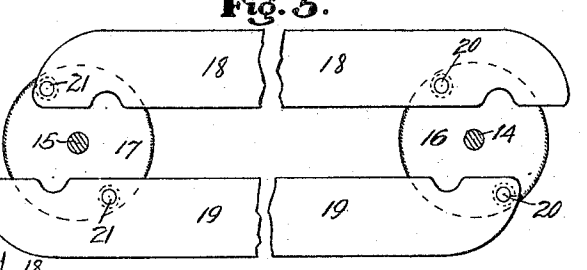


Fig. 7.

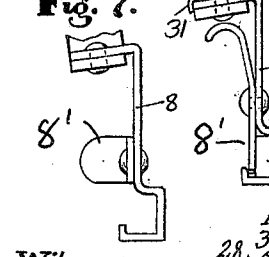
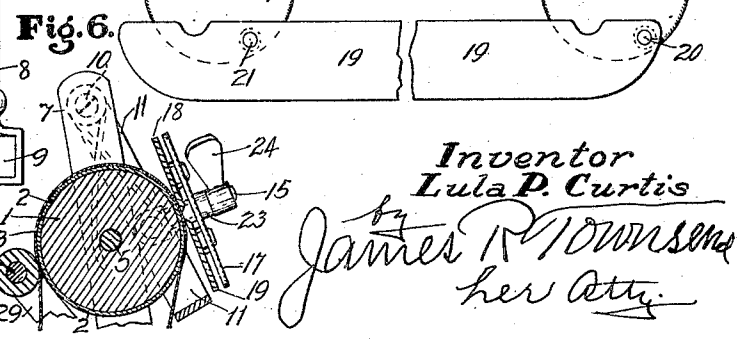


Fig. 6.



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UNITED STATES PATENT OFFICE.

LULA P. CURTIS, OF LOS ANGELES, CALIFORNIA.

ADJUSTABLE COPY-HOLDER.

1,400,730. Specification of Letters Patent. Patented Dec. 20, 1921.

Application filed June 12, 1920. Serial No. 389,762.

To all whom it may concern:

Be it known that I, LULA P. CURTIS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Adjustable Copy-Holder, of which the following is a specification.

This invention relates to means for holding copy in a predetermined position to be read by the copyist. It is desirable in copy holders that the words to be copied shall be held at a definite place with relation to the eyes of the copyist so that only minimum strain and labor is involved in keeping trace of the copy while copying the same.

Copy holders for such purposes have heretofore been provided and means are provided in connection therewith whereby the copy may be adjusted up as the work progresses or down for the purpose of referring to the parts that have been copied. With copy holders heretofore known to me, the space through which the portion of the copy addressed to the eyes of the copyist is exposed, allows the copyist to see more than one line of the copy at a time and consequently where two lines that are close to each other begin or terminate with the same word, there is likelihood that the copyist may become confused and either omit a line, or copy one line twice.

An object of this invention is to avoid errors of this kind and this I do by providing a mechanism whereby there will be exposed to the view of the copyist only the line or lines he may desire to view at one time.

The matter required to be copied may be in lines of different heights or the lines may be differently spaced apart; and my invention includes means whereby the copyist may quickly and accurately adjust the copy sight space to either the height of the type or to the width of spacing, as occasion may require.

My invention comprises a copy holder provided with two guard shutters or covers for the copy, the same being adapted to be spaced apart to provide an elongated opening through which only the required portion of the copy can be read; and I provide means whereby said shutters may be quickly and accurately adjusted to any width of sight opening required in the ordinary work of copying.

I also provide means for locking the shutters in the required position.

I also provide means for detachably connecting the holder to a type-writer bar or other support so that it can be quickly placed in position for use, and as quickly, removed.

Cheapness, simplicity and combined lightness and strength are further objects.

Another object is to provide a device of this kind applicable to type-writer machines adapted to copy instruments into record books.

The invention is applicable for use on other kinds of typewriters.

Other objects, advantages and features of the invention may appear from the accompanying drawing, the subjoined detail description and the appended claims.

The accompanying drawing illustrates the invention.

Figure 1 is a fragmental perspective face view of a copy holder constructed in accordance with this invention and adjusted to expose a single line of copy which is shown in place. Parts are broken away to contract the view, and the holder is attached to fragmental parts of a type-writer bar.

Fig. 2 is a plan view of the upper end of the holder.

Fig. 3 is an elevation in section on line x^3, Fig. 2, showing the holder attached to a type-writer bar.

Fig. 4 is a section on line x^4, Fig. 3, showing the guards fully closed with adjacent edges contacting.

Fig. 5 is a section similar to Fig. 4 with the guards open or widely separated.

Fig. 6 is a section on line x^6, Fig. 1.

Fig. 7 is an end elevation of one of the holder clips opened to receive the type-writer bar.

Fig. 8 is a section on line x^8, Fig. 1.

Fig. 9 is a section on line x^9, Fig. 1.

The invention comprises means adapted for use with means for supporting the copy. Such copy supporting means is preferably in the form of a feed roller 1.

The feed roller 1 may be of any suitable material and construction and provided with the usual rubber friction bands 2, to act upon the copy paper 3 in a manner well known in the art to shift the copy either up or down according to the rotation of the roller which is effected by knobs 4 on the

ends of the roller gudgeons or shaft 5 that is journaled in the bearings 6 on the main frame 7 which is detachably connected by clips 8 and latches 8′ to bar 9 of a typewriter, not shown.

Pivotally connected to the main frame 7 by pins 10 is a swinging support in form of a U-bar 11 having arms provided with lateral extensions 12, 13 on which are secured stud bolts 14, 15 and on these bolts are mounted oscillatory members, shown as disks, 16, 17.

Parallel guards or shutters 18, 19 are pivotally connected together by parallel motion means comprising pins 20, 21 and oscillatory members 16, 17; and are so arranged that oscillation of one of said members in one direction will widen the space between the guards and an opposite oscillation will narrow such space.

The members 16, 17 are preferably thin rigid disks of steel, and one of them, as disk 16, is held on its bolt 14 by a nut 22; and the pins 20 of such disk are extended so as to form a handle by which the copyist may oscillate such disk when the shutters are to be adjusted in position.

Disk 17 is held on its bolt 15 by a washer 23 and wingnut 24; which nut is adapted to lock the disk 17 from oscillation. When the guards or shutters 18, 19 are properly adjusted, to any position they may be locked by tightening the wing-nut so that it pinches the disk between washer 23 and the heel of the stub shaft 15.

The shutters 18, 19 are preferably thin strips of metal or other suitable material mounted on the under or rear side of the disks 16, 17 and are yieldingly held toward the roller 1 by means of coil springs 26 mounted on the pins 10, so as to press the copy sheet 3 thereon. Springs 26 have their ends hooked over shaft 5 and extensions 12, 13 so that their tension holds the thin spring guards 18, 19 against the copy sheet 25 on roller 1.

The shutters 18, 19 have their adjacent edges on the forward side beveled to allow clear view between the shutters when they are adjusted close to each other.

The copy 3 is held tight against the friction bands 2 of roller 1 by a roller 27 mounted by journals 28 in the upper ends of the upwardly and rearwardly inclined swinging arms 29, below the level of the axis of the feed roller 1.

Arms 29 are pivoted at their lower ends by pins 30 to frame 7 and are yieldingly held by springs 31 toward roller 1 to press the copy 3 onto the roller bands 2, thus holding the sheet true and tight so that the lines of the copy will come in true position to be read between the shutters 18, 19.

By turning the adjusting member 16, the shutters may be set the right distance apart to expose but one line of copy matter between them at one time. Clips 8 are arranged to support the holder in such position that the line between the shutters 18, 19 is at the proper height relative to the eye of the copyist.

In operation the copy-holder is arranged in position where it is accessible for manipulation and where the reading space between the guards is visible to the copyist. Then the copy is inserted in the holder in such position that the top line is visible between the guards 18, 19 which the operator may adjust as required to expose only one line or as much of the copy as the copyist desires. As the work progresses the operator rotates roller 1 and thereby moves the copy step by step as occasion requires. By turning disk 16 in one or the other direction, the guards are adjusted to lines of large and small type. The operator can, with the right hand easily loosen wing-nut 24 thus allowing disks 16, 17 to be turned to space the shutters the right distance apart. The wing-nut is normally turned to locking position except when the width of the sight slot is being changed.

Particular attention is directed to the construction and arrangement whereby the guards and the tension roller yieldingly press the paper sheet 3 toward the front and back faces of the roller, respectively. In consequence of this the paper is normally held true and taut and the thin slats or guards press the paper on each side of the exposed line and holds the paper tight against the friction banded feed roller.

I claim.

1. The combination with a roller and means for holding copy on said roller, of guards for a portion of the copy adjacent said roller and means for adjusting the guards simultaneously toward each other and at all times parallel to each other while being so adjusted to expose only a single line of copy matter at a time.

2. In a copy holder, the combination with a roller, and means for holding a sheet of paper on said roller, of guards arranged to cover a portion of the sheet of paper adjacent said roller, and means for adjusting the guards simultaneously toward and from each other for the purpose specified the guards remaining parallel while being adjusted.

3. In a copy holder comprising a roller and means for holding a sheet on said roller, thin slats forming guards connected and arranged to expose only a portion of the sheet between them and adapted to be simultaneously adjusted toward and from each other.

4. In a copy holder comprising a roller and means for holding a sheet on said roller, thin slats forming guards arranged to ex-

pose only a portion of the sheet between them, and means for adjusting the slats simultaneously toward and from each other.

5. In a copy holder comprising a roller, and means for holding a sheet on the roller, shutters arranged to cover a portion of the paper adjacent said roller, pivoted members on which said shutters are pivotally mounted, and means for oscillating said members for the purpose specified.

6. In a copy holder, a roller, means for holding a copy on said roller, shutters arranged parallel with said roller and adapted to cover a portion of the copy adjacent said roller, disks on which said shutters are pivotally mounted, and means for oscillating said disks to move said shutters to open or close a reading space between them.

7. In a copy holder, a roller, thin yielding shutters arranged parallel to said roller and adapted to be held in contact with said roller, spring pressed means for holding said shutters toward said roller and means adapted to be operated to move the shutter away from said roller for the insertion of a sheet between said roller and the shutters.

8. In a copy holder, a roller, shutters arranged parallel to said roller and normally held spring pressure in contact with said roller, means for moving said shutters away from said roller for insertion of paper between said roller and shutters, and means for simultaneously moving said shutters toward and from each other.

9. In a copy holder, a roller, shutters arranged parallel to, and normally held in yielding contact with said roller and movable away from said roller for insertion of copy between said roller and shutters, and pivoted members on which said shutters are pivotally mounted, said members being oscillatory to move said shutters toward and from one another.

10. In a copy holder, a roller, shutters arranged parallel to, and normally held in yielding contact with said roller, and movable away from said roller for the insertion of a copy between said roller and shutters, oscillatory members on which said shutters are pivotally mounted, said members being adapted to move said shutters toward and from each other, and locking means to prevent movement of said shutters.

11. In a copy holder, a frame, a feed roller in said frame, shutters pivotally connected to said frame and arranged parallel to said roller, spring means for normally holding said shutters in contact with said main roller; said shutters being adapted to be moved from said main roller for the insertion of a copy between the feed roller and the shutters, a roller for holding paper on said feed roller, and means for moving said shutters toward and from one another.

12. In a copy holder, a frame, a feed roller in said frame, shutters pivotally connected to said frame and arranged parallel to said roller, a spring for normally holding said shutters in contact with said roller; said shutters being adapted to be moved away from the roller for the insertion of a copy between said roller and the shutters, a roller pivotally connected to said frame and yieldingly held in contact with said feed roller, disks on which said shutters are pivotally mounted, and means for revolving said disks to move said shutters toward and from one another.

13. In a copy holder, a frame, a feed roller in said frame, shutters pivotally connected to said frame and arranged parallel to said roller, a spring for normally holding said shutters in contact with said roller; said shutters being adapted to be moved away from said roller for the insertion of a copy between the roller and the shutters; a roller pivotally connected to said frame and yieldingly held in contact with said feed roller, disks on which said shutters are pivotally mounted, means for revolving said disks to move said shutters toward and from each other, and means for locking one of said disks from rotation to hold said shutters in a fixed position.

14. In a copy holder, means for supporting the copy; guards arranged to expose between them a portion of the copy and pivoted means to adjust said guards simultaneously toward and from each other.

15. In a copy holder, the combination with means for supporting the copy; of two flexible strips adapted to rest upon the copy and parallel-motion means for adjusting the strips simultaneously toward and from each other.

16. In a copy holder, the combination with means for supporting the copy; of two flexible strips adapted to rest upon the copy; and oscillatory disks pivoted to said strips and adapted to adjust the strips toward and from each other.

17. In a copy holder, the combination with means for supporting a copy; of two flexible strips adapted to rest upon the copy; oscillatory disks pivoted to said strips and adapted to adjust the strips toward and from each other; and means to lock one of said disks against oscillation.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 5th day of June, 1920.

LULA P. CURTIS

Witness:

JAMES R. TOWNSEND.