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G. B. HEANEY.

COPY HOLDER FOR TOUCH TYPE WRITING.

APPLICATION FILED JULY 21, 1904.

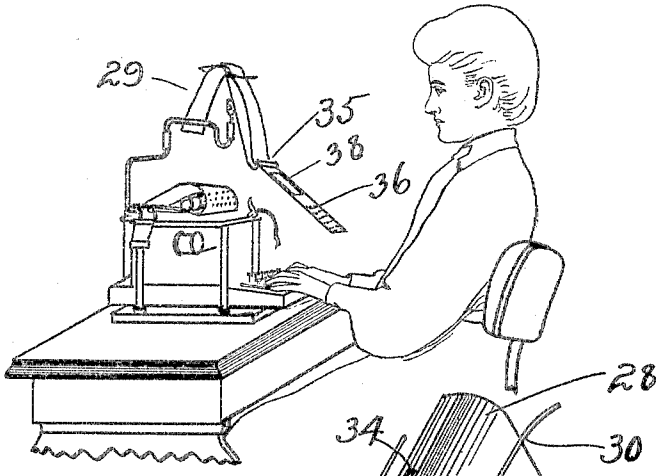


Fig. 1.

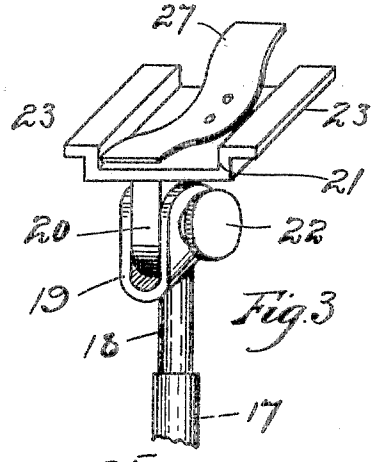


Fig. 3.

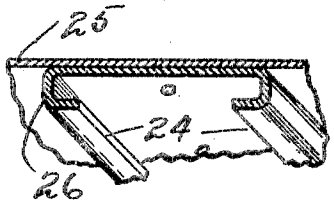


Fig. 4.

Fig. 2.

Fig. 5.

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UNITED STATES PATENT OFFICE.

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COPY-HOLDER FOR TOUCH TYPE-WRITING.

SPECIFICATION forming part of Letters Patent No. 794,099, dated July 4, 1905.

Application filed July 21, 1904. Serial No. 217,593.

To all whom it may concern:

Be it known that I, GEORGE B. HEANEY, a resident of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Copy-Holders for Touch Type-Writing; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to improvements in copy-holders adapted to be used in connection with type-writers, and has for its object to provide a stiff and rigid holder of simple and inexpensive construction which is universally adjustable and may be readily set and retained in any desired position with reference to the type-writer and when not in use may be folded into a compact form and closed out of the way in the desk with the machine.

An essential feature of my device is the touch type-writing attachment for use in schools to facilitate the teaching of touch type-writing. By this attachment the scholar will learn much more readily this system of type-writing, as the keys are entirely covered, the pupil therefore being obliged to follow the chart or diagram retained on the holder. The diagram or chart used for this purpose shows the arrangement of keys and indicates the particular finger to be used for each individual letter.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view showing my device attached to a type-writer and the upright position of the operator using the same. Fig. 2 is an enlarged perspective view showing my device with the type-writer removed therefrom, partly in section, illustrating the construction. Fig. 3 is a perspective view showing the adjustable slide connection to the back of the holder. Fig. 4 shows a perspective view of a portion of the holder in section, illustrating the grooved slide on the back of said holder. Fig. 5 is a detail showing the back of the holder and the adjustable leaf-retainer.

Referring to the drawings, at 1 is the frame or base of the device on which the type-writer stands. This base is preferably made of cast-iron and with a hollow center portion forming a rigid and solid base for the holder, which is supported therefrom. At 2 2 are lips on either side of this base, inside of which the legs of the type-writer sit to hold them in position. At the rear end of the base is the projection 3, that has a hole in it at 4, into which hole sits the upright tubular post 5. This post is made slightly tapering at its lower end and fits tightly and firmly into said hole 4 and yet may be readily removed therefrom. At 6 is an adjustable tube which sits into said post 5 and is held at any desired elevation by the set-screw 7 in said post. The horizontal arm 8 has one end turned down at 9 into the end of said tube 6 and held to swing therein with its lower end resting on the pin 10. The opposite end of said arm is turned up at 11 and has a short sleeve 12 fixed thereto. At 13 is a second horizontal arm turned down at 14 into the upper end of said sleeve 12 and held to swing therein. The opposite end of said arm 13 is bent down on an angle at 15 and then up at 16. Onto this end 16 is fixed a short sleeve 17. At 18 is a pin extending down from the under side of the U-shape binding-holder 19 into said sleeve and is held to turn therein. Extending outward from the back side of the adjustable slide-plate 21 is the ear 20, which is bound in any desired position in the holder 19 by the screw 22. When this slide-plate is in place, each of its edges 23 23 extend under the lips 24 24 of the grooved member 26 on the back of the copy-holder 25 and is held in any desired position in said grooved member by the tension of the bow-spring 27. The copy-holder itself is preferably a thin sheet-metal plate 25, rounded or bent back at its upper edge 28 to allow for the turning back of the leaves of the copy-book 29. (See Fig. 1.) At 30 is a

binding spring-arm for holding the copy-book in place. This arm is fixed at one end to the holder 25 and has several turns in it at 31, giving it a spring tension against the plate. The opposite end of said arm is free and extends out beyond the edge of the plate a short distance and is slightly turned up to facilitate the passing of the copy beneath it. At 32 is an adjustable leaf-retainer made in a U shape, laid on its side and pivotally held by its lower leg in ears 33 33. This retainer has a coil-spring 34 attached to the pivoted leg and by which it receives a tension to hold it in any desired position. (See Fig. 5.) It may be turned up and held in the notch 34 or turned back to bind and hold the leaves of the copybook firmly. The lower edge of this plate 25 is turned up at 35 to better support the bottom edge of the copy-book, (see Fig. 1,) and also to receive the edge of the touch type-writing attachment 36, which hooks over said edge 35 and is supported therefrom. This attachment is also made, preferably, of sheet metal and has its lower edge turned up at 39 and its side edges turned over at 37 to receive the touch type-writing chart which is held therein. Another feature of this attachment is that, while it is arranged to cover the keys of the machine, yet the carriage and the writing may be seen through the aperture 38, which is made through the upper portion of this attachment for this purpose.

This device is of an exceedingly simple and practical construction, is universally adjustable, is rigidly held without vibration, and may be manufactured and placed upon the market at a price to make it universally adopted.

The touch type-writing attachment is especially adapted for use as a self-teacher of touch type-writing in school work; but the device without this attachment may be used as a holder in connection with any type-writer for office work. With this device the operator may sit upright, as the holder is adjustable and the copy may be set at exactly the right elevation to suit.

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

1. In a copy-holder, a universally-adjustable copy-holding plate, means by which said plate may be adjusted, a spring-arm on said plate free at one end for engaging and holding the front leaves of the copy-book, and a pivotally-hung arm having the axis of its motion in a plane parallel with the plate, to turn down over the back of the plate, one end of said arm also being free to engage and hold the leaves of the copy-book back.

2. In a copy-holder an upright post, a vertically-adjustable member held on said post, a jointed horizontal arm pivotally held to said adjustable member to swing laterally, a copy-book-holding plate pivotally held in the outer end of said arm to swing laterally, a slide on the back of said plate by which said plate may be adjusted vertically, and adjustable means for holding back the leaves of the copy-book.

3. In a copy-holder an upright post, a vertically-adjustable member supported from said post, a jointed horizontal arm pivotally held to said adjustable member to swing laterally, a copy-book-holding plate pivotally held in the outer end of said arm to swing laterally, and a slide on the back of said plate, a spring on said slide by which said plate may be adjusted vertically and held by the pressure of said spring.

4. In a copy-holder, a tubular upright post, a vertically-adjustable member set in said post, means for securing said latter member in said post, a jointed horizontal arm pivotally held in said adjustable member, and a copy-book-holding plate adjustably held on the outer end of said horizontal arm.

5. In a copy-holder, a base-plate, a tubular post set in said plate, a vertically-adjustable member set in said post, means for securing said latter member in said post, a jointed horizontal arm, a holder-plate supported from said arm, a slide on the back of said holder-plate, a spring on said slide and means whereby said plate may be adjusted vertically and held in any desired position by the pressure of said spring.

6. In a copy-holder an upright post, a vertically-adjustable member held on said post, a jointed horizontal arm pivotally held to said adjustable member to swing laterally, a copy-book-holding plate pivotally held in the outer end of said arm to swing laterally, a slide on the back of said plate by which said plate may be adjusted vertically, a spring-arm on said plate free at one end for engaging and holding the copy, and a pivotally-hung spring-tensioned arm also free at one end for engaging and holding the leaves of the copy-book back.

7. In a copy-holder, a base-plate, a tubular post set in said plate, a vertically-adjustable member set in said post, means for securing said latter member in said post, a jointed horizontal arm pivotally held in said adjustable member, a plate for holding the copy-book adjustably held on the outer end of said horizontal arm, a pivotally-held spring-actuated arm for holding the leaves back and means on the back of the holder-plate by which it may be vertically adjusted.

8. In a copy-holder, a base-plate, a tubular post set in said plate, a vertically-adjustable member set in said post, means for securing said latter member in said post, a jointed horizontal arm pivotally held in said adjustable member, a holder-plate, means for adjustably

supporting said plate on the outer end of said horizontal arm, a pivotally-held spring-tensioned arm located on the back of the holder-plate to hold the leaves of the copy-book back, and a spring-arm on said plate free at one end for engaging and holding the front pages of the copy-book.

In testimony whereof I have hereunto set my hand this 20th day of July, A. D. 1904.

GEORGE B. HEANEY.

In presence of—
HOWARD E. BARLOW,
E. I. OGDEN.