

J. J. McFADDEN.
ATTACHMENT FOR TYPE WRITERS.
APPLICATION FILED MAR. 18, 1911.

1,018,511.

Patented Feb. 27, 1912.

2 SHEETS—SHEET 2.

FIG. 2.

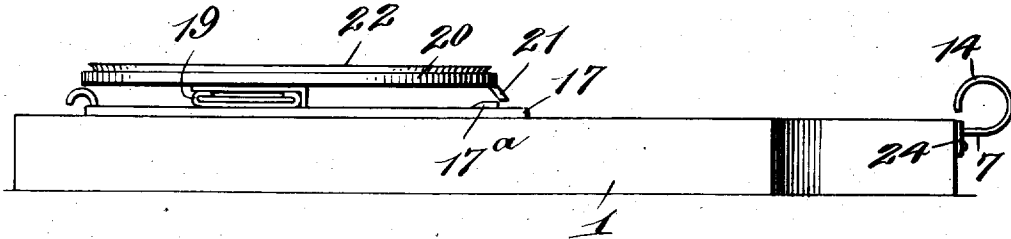


FIG. 3.

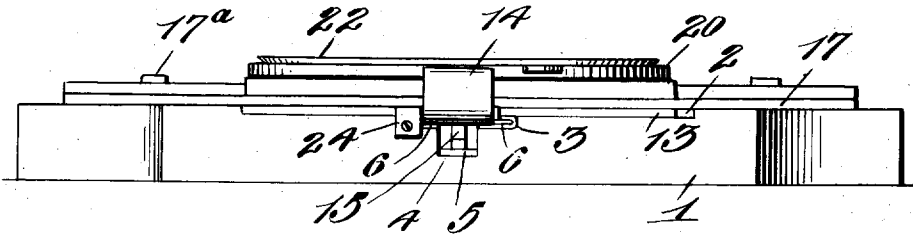
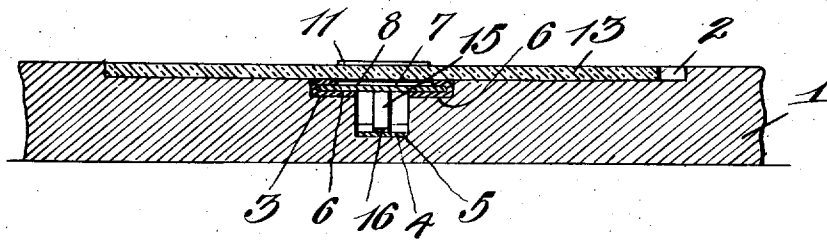


FIG. 4.



Inventor
J. J. McFadden,

Witnesses

Chas. R. Gristauer.
L. H. Ellis.

By *Watson E. Coleman,*
Attorney

UNITED STATES PATENT OFFICE.

JOHN J. McFADDEN, OF RENOVO, PENNSYLVANIA.

ATTACHMENT FOR TYPE-WRITERS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN J. McFADDEN, a citizen of the United States, residing at Renovo, in the county of Clinton and State of Pennsylvania, have invented certain new and useful Improvements in Attachments for Type-Writers, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in attachments for typewriters and more particularly to an attachment for a particular form of typewriter and my object is to provide a device for printing upon lantern slides or other transparencies of a similar nature.

A further object is to provide a sliding member for holding the lantern slide in disposing the same in position to be written on, and a still further object resides in providing a sliding member which is formed in sections connected by means of a spring, whereby the same will be adjustable for various sized glasses and at the same time securely retain the same therein.

A further object of the invention is to provide a base member designed to slidably receive the sliding member and also designed to receive the typewriter thereon.

A still further object of the invention resides in providing means for the retaining of the sliding member in its various adjusted positions.

With these and numerous other objects in view, my invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawings forming a part of this application, Figure 1 is a top plan view of the device complete. Fig. 2 is a side elevation thereof. Fig. 3 is an end elevation thereof. Fig. 4 is a transverse section as seen on line 4-4, Fig. 1. Fig. 5 is a side elevation of the sectional sliding member removed from its position in the base.

In carrying out my invention, I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views and in which—

1 indicates a base of any preferred size and preferably increased in thickness toward one end thereof, and the upper face of said

base is provided with a longitudinal groove 4, the walls of which are cut away in stepped arrangement to form longitudinal channels 2 and 3 respectively. Mounted in the bottom of the groove 4 and extending substantially the full length thereof is a rack or the like 5, and mounted in the channel-way 3 on each side of the groove 4, are the tracks or guide members 6, said tracks or guide members being channel-shaped in cross section and extending the full length of said groove 4. Mounted between said tracks 6 and adapted to slide therein is a sliding member 7, comprising the plate sections 8 and 9 which are joined together by means of a coil spring 10. The outer edge of the section 9 has a portion thereof bent upwardly at substantially right angles to the general trend of the same to form a locking flange or the like 11 and said section 8 has a portion thereof struck up at substantially right angles to its general trend to form a similar locking flange 12, the purpose of said locking flanges being hereinafter and more particularly described.

A glass lantern slide or the like 13 is adapted to be inserted between the locking flanges 11 and 12, and in view of the coil spring 10 connecting the two sections 8 and 9 carrying these flanges, said sliding member may be adjusted to receive any size glass, and when said glass is positioned therein, the same will be securely held. Said sliding member 7 has the outer end of the section 8 thereof provided with an upwardly curved finger piece 14 and the bottom face of said section has secured thereto one end of a leaf spring 15, the opposite end of said spring being bent, as shown at 16, to enter the notches of the rack 5 mounted in the groove 4. In this manner, the sliding member may be moved along the track 6 to carry the glass slide therewith and be held in its various adjusted positions by means of said spring 15.

The sliding member 7 carrying the glass slide 13 is used in connection with a well known form of typewriter mounted on said base adjacent the forward end thereof. This typewriter comprises a base portion 17 hinged along one of the side edges thereof to the base 1, the opposite side edge of the member 17 being engaged by the clamps 17^a carried by the base 1, thereby removably securing the same thereto. This base portion 17 is provided with a slot 18

therein and also provided with a guideway 19 in which a simple form of typewriter carriage is slidably mounted. This carriage comprises a substantially circular plate 20 having an additional spring plate on the bottom thereof mounted in the guide-way 19, said circular plate being provided with inking pads and a spring held pawl 21.

Rotatably mounted on the circular plate 20 is a disk 22, which disk is provided around the outer periphery thereof with a plurality of keys or type. As each key is desired to be struck, the disk is turned until such key desired is at a point in registration with an opening in the plate 20, whereupon, said key is pressed and the desired result obtained. As the respective keys are pressed for printing purposes, the plate 20 carrying the plate 22 will be tilted, which is possible through the medium of the spring plate being engaged with the guide-way 19, and as said plate and disk are tilted, the pawl 21 carried by said plate 20 will engage the ratchet teeth 23 carried along the side edge of the base member 17, so that as each key is struck, the plate and disk, which form the type-writer carriage, will be moved one space farther. This form of typewriter is, of course, a very simple and well known one and it is not upon the same that I claim my invention, but it is the particular device used in connection with the same that I claim as new and novel.

The groove 2 in the base 1 of the device receives the transparent pane or glass slide 13, and as the base 17 of the typewriter is mounted over the channel-way 2, it will be seen that said glass or other transparent material may be disposed immediately under said base and in position to be printed upon by the type of the carriage. One side edge, preferably the left, of the channel-way 2 is a straight edge, so that the edge of the glass slide may be guided thereagainst and always be in position to have the printing thereon disposed in a straight line, and it will be seen that when the glass is moved so that a portion thereof is immediately below the slot 18 in the base 17, the same is in position to be printed upon. The typewriter carriage being moved transversely of the base and the slide carrying the glass being movable longitudinally thereof, makes it possible for said glass, or other transparent material used, to be completely covered by printing, if desired.

The groove 4 and channel-ways 2 and 3 in the base 1 extend to a point adjacent the forward end of said base and to the edge of the opposite end, and in order to limit the movement of the slide 7 at this last referred to end, I provide a removable stop 24 and it will be seen that when it is desired to remove the slide 7 from its tracks, for any purpose whatsoever, said stop may be moved

out of its effective position and the slide readily removed. In order to also provide for the ready removal of the base 17 of the typewriter, I provide the base 1 with the finger ways 25, and furthermore, in order to readily remove the glass 13 from the slide 7, additional finger ways 26 are provided.

From the foregoing, it will be seen that I have provided a means for printing upon a glass, particularly a glass lantern slide used in the moving picture industry. It is necessary in all moving picture houses to make announcements before and after various shows and heretofore, the same have been printed upon gelatin, or other transparent articles similar thereto, and in the present methods of writing on such transparencies, it is necessary to use an intensifying powder upon the same immediately after the printing has been done. This present method, of course, is rather expensive and requires considerable time, whereas my improved method is a cheap one, making it possible for the ink to be rubbed off the glass immediately after the announcement becomes old, so that a new one may be again printed on the same.

It will be seen that the device is of such simple construction as to be very cheaply manufactured and is of such compact form as to be capable of being retained in any small compartment. It will still further be seen that by providing a slide formed in sections, which sections are connected by means of a spring, the same is adjustable for various sized glasses and at the same time will securely retain the glass therein without further means for such retaining. It will further be seen that by providing one edge of the groove straight to guide one edge of the glass, straight lines will be printed upon said glass, and it will further be seen that by providing the rack in the one groove and the leaf spring upon said slide, that said slide will be retained in its various adjusted positions.

What I claim is:—

1. In a device of the character described, the combination with a base and a type-carrying device movably mounted thereon; of a sectional slide mounted in said base adapted to be moved beneath said type-carrying device, said slide having the sections thereof secured together by means of a spring, and means to retain said slide in various adjusted positions.

2. In a printing device of the class described, the combination with a base member provided with a longitudinal groove and channel-ways, one of said channel-ways being provided with a pair of tracks, a slide movable on said tracks, said slide being formed in sections and the sections thereof secured together by means of a spring, and means to retain said slide in various adjusted

positions; of a type-carrying device movably mounted on said base.

3. In a device of the character described, the combination with a base member having
5 a groove and channel-ways therein, one of said channel-ways being provided with tracks, a sectional slide mounted between said tracks, the sections of which are secured together by means of a spring, and each
10 provided with an upstanding lug, and means to retain said slide in various adjusted positions on the tracks; of a type-carrying device movably mounted on said base.

4. In a device of the character described,
15 the combination with a base member having a groove and channel-ways therein, one of said channel-ways being provided with tracks, a slide mounted between said tracks comprising a pair of plates connected by
20 means of a spring, said plates being each provided with an upstanding lug, and means to retain said slide in various adjusted positions; of a type-carrying device movably mounted on said base.

25 5. In a device of the character described, the combination with a base member having a groove and channel-ways therein, one of said channel-ways being provided with tracks, a sectional slide mounted between
30 said tracks, a rack mounted in said groove, a spring carried by said slide adapted to

engage said rack and retain said slide in various adjusted positions, and means to limit the movement of said slide; of a type-carrying device slidably mounted on said
35 base.

6. In a device of the character described, the combination with a base member having a central longitudinal groove therein, the walls of which are cut away in stepped
40 arrangement to form channel-ways, one of said channel-ways being provided with tracks disposed on opposite sides of said groove, a rack mounted in said groove, a sectional slide mounted on the said tracks,
45 the sections of said slide being secured together by means of a coil spring, and a leaf spring member carried on the underface of one of the sections of the said slide, the free end of the said leaf spring member
50 being disposed downwardly and adapted to engage the notches of said rack; of a type-carrying device movably mounted on said base above said slide.

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

JOHN J. McFADDEN.

Witnesses:

CLYDE F. BARNER,
W. E. SHAFFER.

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