

W. C. WEIS.  
LOCKING DEVICE FOR SWINGING TYPE WRITER STANDS.  
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1,151,637.

Patented Aug. 31, 1915.

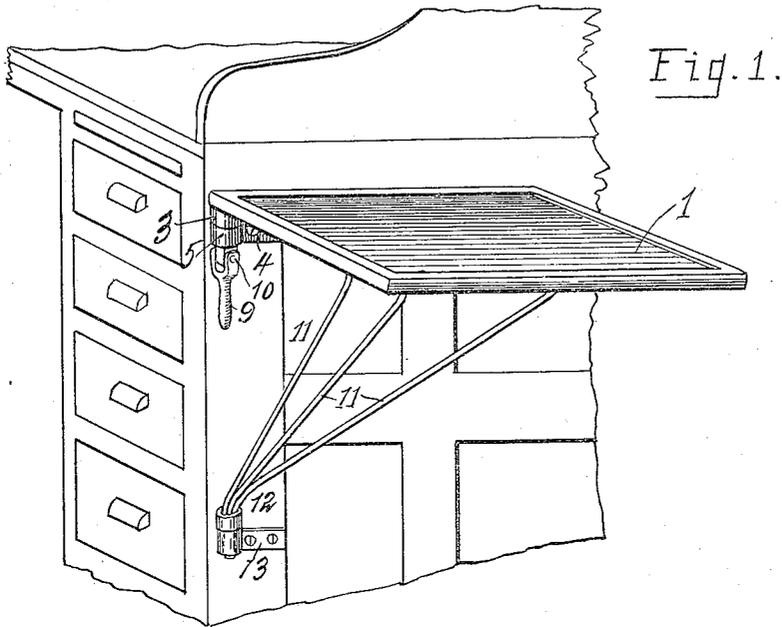


Fig. 2.

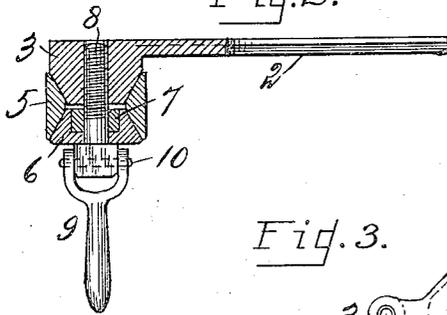
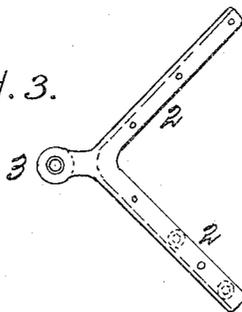


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM C. WEIS, OF MONROE, MICHIGAN, ASSIGNOR TO THE WEIS MANUFACTURING COMPANY, OF MONROE, MICHIGAN, A CORPORATION.

LOCKING DEVICE FOR SWINGING TYPE-WRITER STANDS.

1,151,637.

Specification of Letters Patent. Patented Aug. 31, 1915.

Application filed September 9, 1910. Serial No. 581,239.

*To all whom it may concern:*

Be it known that I, WILLIAM C. WEIS, a citizen of the United States, residing at Monroe, in the county of Monroe and State of Michigan, have invented certain new and useful Improvements in Locking Devices for Swinging Type-Writer Stands; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a typewriter table or—more specifically—a desk-attachment for the support of a typewriting machine, and its object is to provide a cheap, simple and durable support for a typewriting machine which may be attached to any desk or table and which may be swung horizontally into operative position or out of the way, and which may be conveniently and securely locked in any position to which the device may be swung.

A further object of my invention is to provide the desk-attachment referred to, with a reversible friction-clamp whereby the device may be operatively secured to either the right or left side of the desk or table.

I attain these objects by the devices, construction and arrangement of parts herein-after described, and shown and illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of my device attached to a desk of ordinary construction and swung around to the end of the desk and out of the way of the operator; Fig. 2, an enlarged view of a portion of my device partly in section, detached, and Fig. 3, a top plan view of one of the parts of my device hereinafter referred to, detached.

Like parts are indicated by like numerals of reference throughout the drawings.

In the drawings, 1 is a table, paneled or plane, composed of any suitable material—preferably wood—and of sufficient dimensions to receive a typewriting machine. Under one corner of the table is secured a metal piece 2 having two arms disposed at a right-angle to each other and extending along and beneath the converging margins of the table. Directly beneath the corner

of the table this metal piece is formed as an eye, tapped and threaded vertically as a nut 3, the bottom of which is shaped as an inverted truncated cone.

4 is a bracket screwed or otherwise secured to the end of the desk near its front corner and terminating at its front end in a socket member 5, the upper side of which is recessed to correspond with and to receive the lower truncated portion of the nut 3. The underside of the part 5 is recessed to receive a friction-piece 6, also formed as a truncated cone, the latter part being recessed in its top to receive a nut 7.

8 is a threaded bolt passing through the parts 5 and 6, nut 7 and into the threaded eye 3.

9 is a handle forked and astride of the head of the bolt 8, the prongs of the handle being pivotally connected with the head of the bolt, as at 10.

It will be observed that the two tapered recesses in the socket member 5 for the reception of the parts 3 and 6 are alike, and that the truncated cones of the parts 3 and 6 have corresponding tapers. By this means the bracket 4 is reversible and may be secured to either the right or left side of the desk, so that the clamping mechanism will be equally effective in either position.

11—11 are braces consisting of suitable metal rods secured at their upper ends to the underside of the table 1 and converging at their lower ends which are rigidly secured within a thimble 12 socketed and pivoted (see dotted lines, Fig. 1,) in a small bracket 13 screwed or otherwise secured to the end of the desk below the bracket 4.

The two brackets 4—13 form supports upon which the table may be swung horizontally either around against the end of the desk or in the opposite direction to the side of the operator. In any position to which the table may be swung upon its bearings the operator may seize the handle 9 and swing it upwardly into horizontal position to form a lever. Now by giving the screw a quarter turn, by means of the lever, the conical portions of the parts 3 and 6 are forced powerfully into the conical recesses of the part 5 and the table is now securely held against swinging. When the handle is released it automatically falls of its own weight into vertical position and is out of the way. When it is desired to swing the

table, it is of course only necessary to loosen the clamping device by the reverse turn of the screw, as above described.

5 The adjustment of the parts 3 and 6, by means of the screw 8, controls, to a nicety, the desired frictional resistance to the swing of the table 1. The angular nut 7 causes the parts 3 and 6 to rotate together in such manner that the swing of the table to and  
10 fro does not disturb the frictional adjustment.

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

15 1. In a device of the described character, a bracket adapted for engagement with a desk and having therethrough a centrally contracted aperture, truncated friction-members oppositely seated in said aperture and operatively connected with each other  
20 to rotate together, a screw which controls said friction-members in relation to each other, and a swinging table rigidly connected with one of said friction-members.

25 2. A device of the described character, comprising a table, a threaded eye-piece se-

cured beneath one corner of the table, its lower part being shaped as an inverted truncated cone, a reversible bracket adapted to be secured to a desk or the like and having a  
30 portion recessed in its top to receive said threaded eye-piece, and having a recess in its under side, a friction-piece in said latter recess, an angular nut seated in the top of said friction-piece and operatively connect-  
35 ed with said truncated cone whereby said cone and friction-piece are caused to rotate together but are movable toward and away from each other, and a connection comprising a threaded bolt disposed axially of said  
40 recesses, eye-piece, nut and friction-piece, combined with a brace, a second bracket beneath the bracket first mentioned, and pivotal connections between the brace and said  
45 second bracket.

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

WILLIAM C. WEIS.

Witnesses:

F. R. MORRIS,  
ALBERT G. EBUSSET.