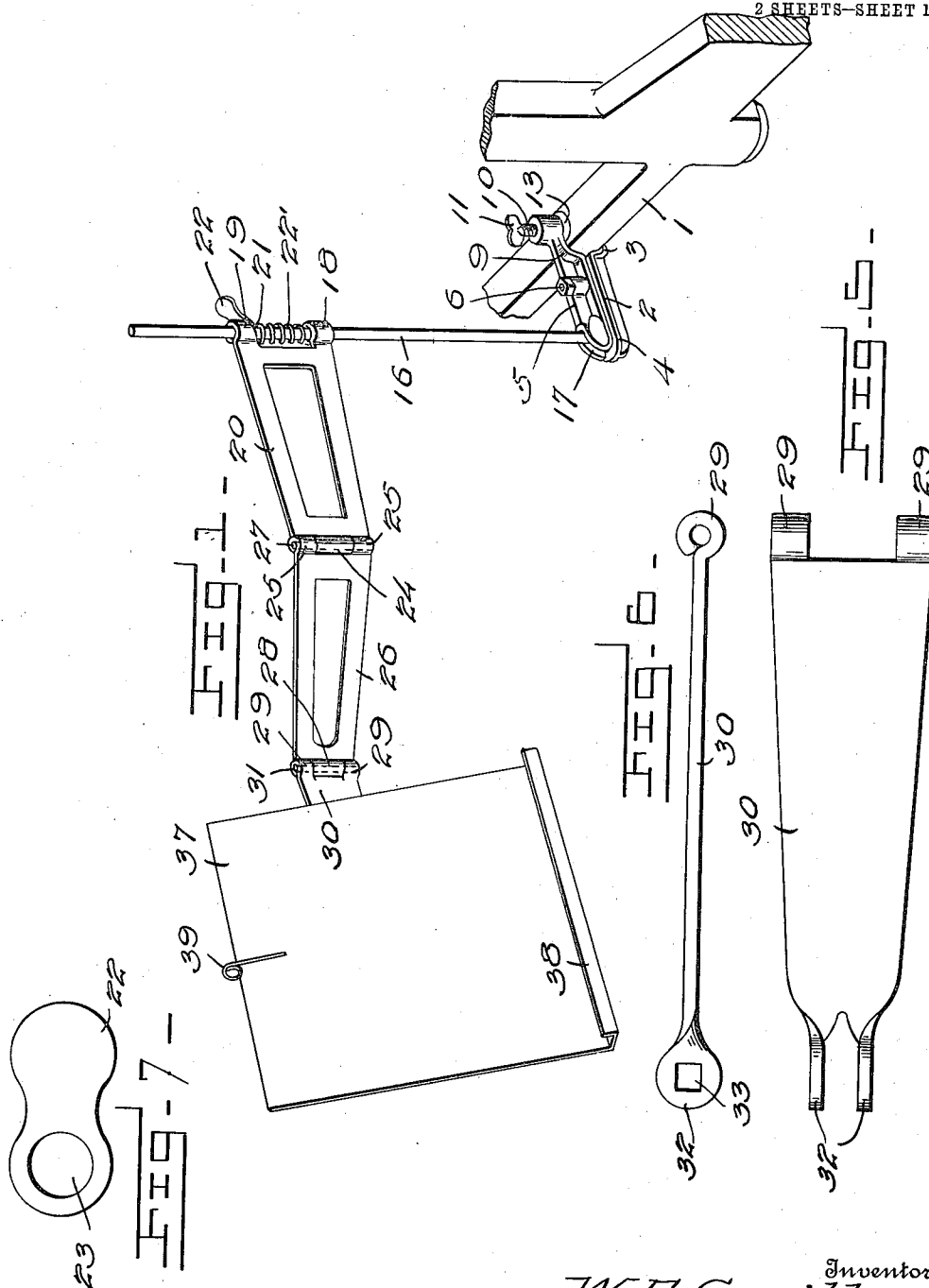


W. E. SMITH.
COPY HOLDER.
APPLICATION FILED DEC. 12, 1911.

1,060,795.

Patented May 6, 1913.

2 SHEETS-SHEET 1.



Witnesses
L. L. Cunningham.
M. L. Neal.

Inventor
W. E. Smith,

By *Harry Ellis Chandler*
Attorney

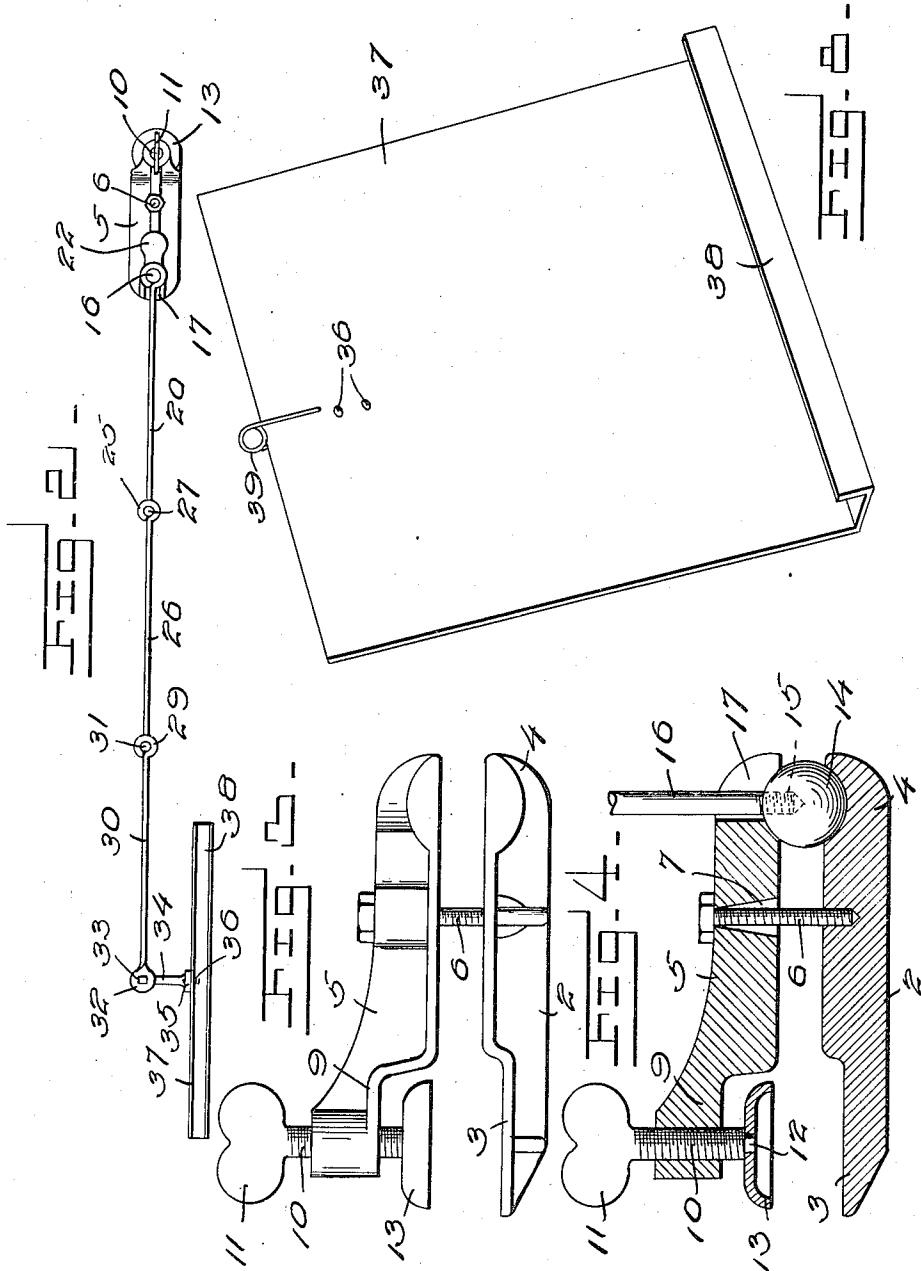
W. E. SMITH.
COPY HOLDER.

APPLICATION FILED DEC. 12, 1911.

1,060,795.

Patented May 6, 1913.

2 SHEETS—SHEET 2.



Inventor
W. E. Smith,

Witnesses
F. F. Kinschong
M. L. Neal

By Harry Ellis Chandler
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM E. SMITH, OF COLORADO CITY, COLORADO.

COPY-HOLDER.

1,060,795.

Specification of Letters Patent.

Patented May 6, 1913.

Application filed December 12, 1911. Serial No. 665,299.

To all whom it may concern:

Be it known that I, WILLIAM E. SMITH, a citizen of the United States, residing at Colorado City, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Copy-Holders, of which the following is a specification.

My invention relates to improvements in copy holders and has for its leading object the provision of an improved support for holding books, music or work to be copied upon the typewriter.

A further object of my invention is the provision of an improved device particularly adapted for attachment to a typewriter to support notes or other work to be copied, which device will serve to so support the article as to permit of ready adjustment of the holder proper in any direction.

Another object of the invention is the provision of the improved support for the holder proper, which support will be capable of both vertical, lateral, tilting and pivotal adjustment, whereby the device may be easily secured in the exact desired position.

Other objects and advantages of my improved copy holding device will be apparent from the following description taken in connection with the accompanying drawings, and it will be understood that I may make any modifications in the specific structure shown and described within the scope of the claim without departing from or exceeding the spirit of the invention.

Figure 1 represents a perspective view of my complete copy holding device in position for use, Fig. 2 represents a top view looking down upon the complete copy holder, Fig. 3 represents an enlarged side elevation of the clamp member of my device, Fig. 4 represents a sectional view of the clamp, Fig. 5 represents a plan view of the outer pivoted supporting frame, Fig. 6 represents an edge view thereof, Fig. 7 represents a plan view of the latch plate for securing the pivoted arms in adjusted position upon the supporting rod, Fig. 8 represents an enlarged perspective view of the holder proper.

In the drawings, the numeral 1 designates the frame bar of a typewriter having secured thereto my improved copy holding device.

To attach the device to the frame bar I

employ the clamp plates 2 having the enlarged recessed end 3 for fitting against the frame bar and having the hemi-spherical recess 4 formed in the opposite end from the portion 3. Passing through the bar 5 of the second clamp member and engaged in the clamp bar 2 is the bolt 6, the bar 5 having an inwardly flaring recess formed therein to permit of swinging movement of the bar 5 on the bolt. Said bar 5 is also formed with a hemi-spherical recess 8 and has at its other end the offset portion 9 with a central socket in which is engaged the threaded shank 10 of the wing clamp screw 11 which has a reduced end 12 rotatably secured in the clamp washer 13, the turning of the screw 11 both forcing the washer 13 against the typewriter bar 1 to clamp the bar between the washer 13 and portion 3 of the bar 2 and also forcing the clamping ends of the bars 2 and 5 apart and swinging the bars on the bolt 6 to force their recessed ends toward each other.

Engaged in the recesses 4 and 8 is the ball 14 having a threaded socket 15 in which fits the threaded lower end of the rod 16, the bar 5 having a slot 17 at its end to which the bar projects upward, and the forcing together of the socketed ends of the bars clamping the ball against rotated movement in the socket, the turning of the bolt 6 further serving to clamp the sides of the socket against the ball.

Slidably mounted upon the rod 16 are the ears 18 and 19 formed at one edge of the skeleton plate 20, said ears being curved to fit around the rod and the ear 19 having a beveled under face 21 as clearly shown in the drawing. To retain the arm or plate 20 in vertically adjusted position upon the rod 16, I mount on the rod between the ears 18 and 19 the helical spring 22', while fitting between the upper end of the spring and the beveled face 21 of the ear 19 is the latch plate 22 which projects outward beyond the ears and has an eye 23 formed therein of size to just slide on the rod 16 when the plate is disposed at right angles to the said rod. When it is desired to shift the arm 20, I press down on the outer end of the plate 22 and may then readily slide the arm 20, while upon the releasing of the plate 22 the spring 22' will force the plate 22 upward against the beveled face 21 of the ear 19, the fitting of the plate against said beveled face causing the edges of the eye or aperture 23 to bind-

ingly engage the rod 16 and thus prevent the movement of the arm 20 on the rod. The arm 20 is further formed in its outer end with the central ear 24 while spanning said ear are the ears 25 of the skeleton plate arm 26, the ears 24 and 25 being curved around the pivot pins 27 to pivotally secure the two arms together. The arm 26 has at its outer end the curved ear 28 spanned by the curved ears 29 of the skeleton plate arm 30, said ears being pivotally connected by the pin 31, the outer end of the arm 30 is bifurcated and the furcations 32 are twisted to lie at right angles to the arm and provide the pair of squared eyes 33 disposed in alinement with each other. Engaged in said pair of squared eyes 33 is the squared hook 34 having a flattened end 35 secured by the rivets 36 to the back plate 37 of the copy holder proper, said plate 37 having the angular end flange 38 to provide a rest for the copy and being provided with the spring clip member 39 for engaging the upper end of the conv.

From the foregoing description taken in connection with the drawings the construction of my copy holding device will be readily understood, and it will be seen that I have provided a simple and efficient clamp for engaging a table or type writer bar at one end while engaging and locking in adjusted position the ball of the supporting rod with its other end, while adjustably secured upon the supporting rod is the arm composed of a plurality of pivotally connected sections having the outermost section adapted to engage a hook carried by the copy holder proper.

It will further be observed that the ball

and socket connections between the clamp and the supporting rod permits of the adjustment of the supporting rod at any desired angle, while the improved locking device for the skeleton plate arms permits of the instant adjustment along the rod of the arm to regulate the height at which the copy holder proper is held, while the pivotal connections between the various sections of the arm allow the copy holder proper to be swung forward and backward and inward and outward as desired.

I claim:

In a copy holding device the combination with a clamp bar broadened at one end and having a hemispherical recess formed in the other end, of a second clamp bar having a hemispherical recess formed in one end and an offset in the other end, a bolt loosely engaged in one of said bars and secured to the other to adjustably connect the bars and permit of their swinging with respect to each other, a clamp screw engaged in the offset of the one bar for securing the clamp in position and forcing the socketed ends thereof toward each other, a ball engaged in the hemispherical sockets and held in adjusted position by the tightening of the clamp screw, a supporting rod projecting from the ball, adapted to support a copy holder.

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

WILLIAM E. SMITH.

Witnesses:

FRED N. BENTALL,
J. T. WHITE.