W. L. GUMPRECHT.

STAND FOR ADDING AND TYPE WRITING MACHINES.

APPLICATION FILED MAY 10, 1913.

1,250,305. Patented Dec. 18, 1917.

Fig. 1.

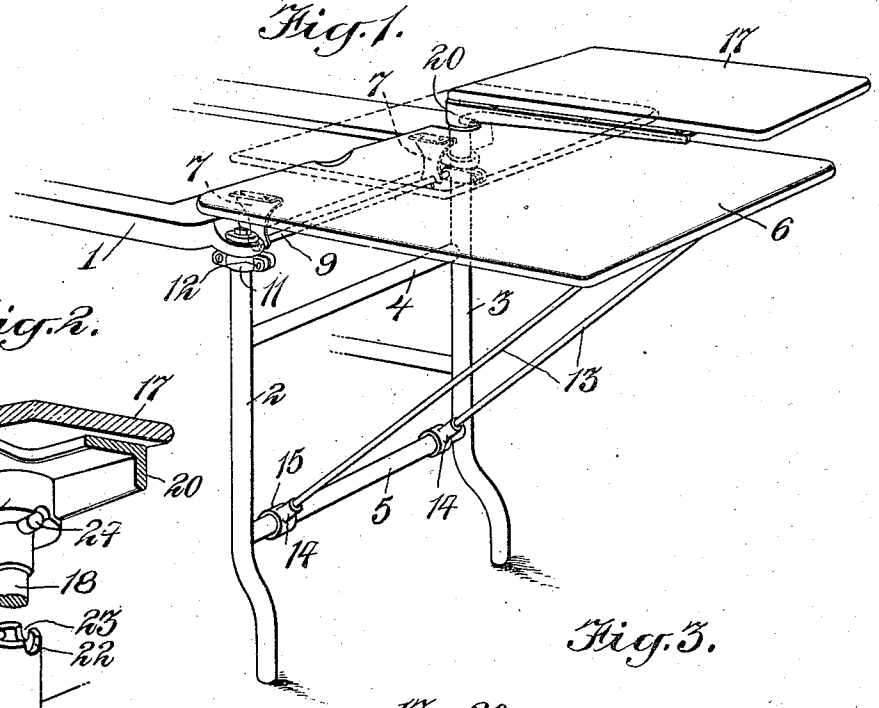


Fig. 2.

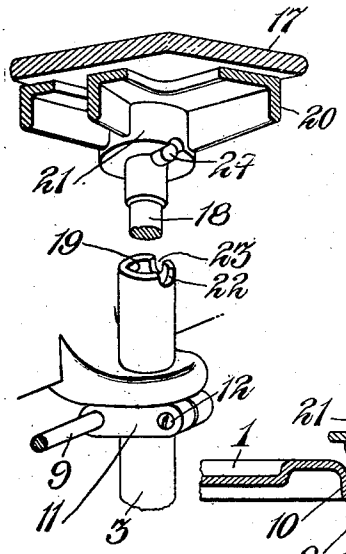
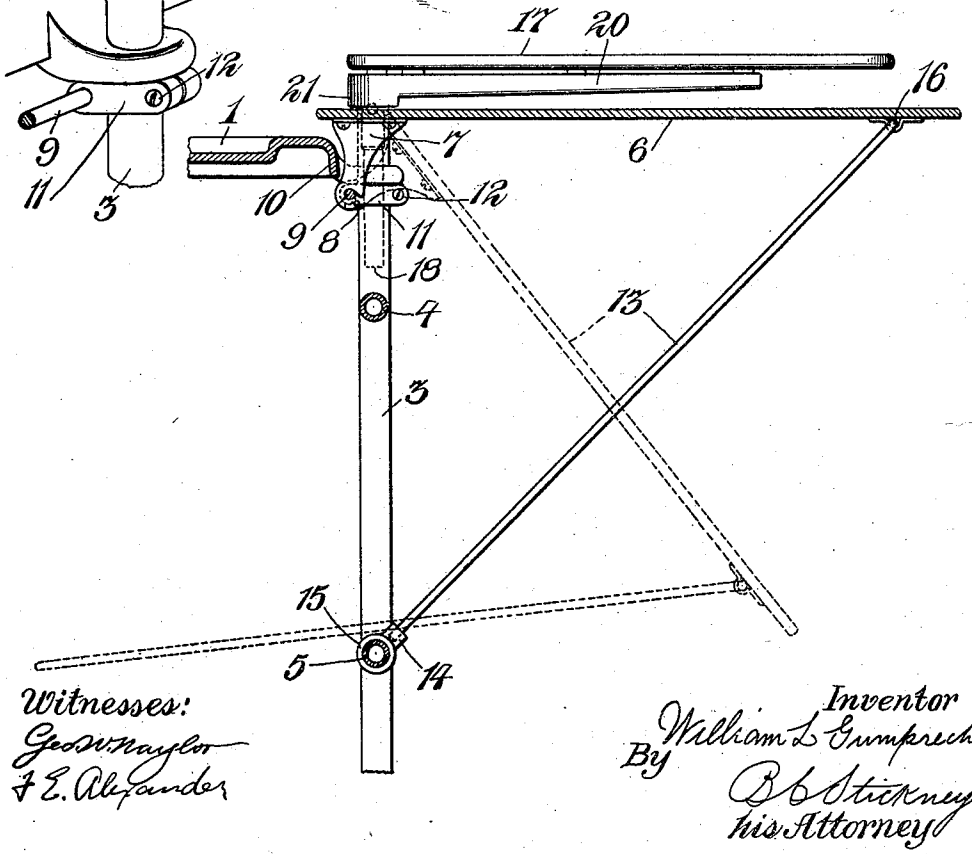


Fig. 3.



Witnesses:
Geo. W. Naylor
F. E. Alexander

Inventor
William L. Gumprecht
By R. B. Stickney
his Attorney

UNITED STATES PATENT OFFICE.

WILLIAM L. GUMPRECHT, OF BROOKLYN, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNDERWOOD COMPUTING MACHINE COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

STAND FOR ADDING AND TYPE-WRITING MACHINES.

1,250,305. Specification of Letters Patent. Patented Dec. 18, 1917.

Application filed May 10, 1913. Serial No. 766,677.

To all whom it may concern:

Be it known that I, WILLIAM L. GUMPRECHT, a subject of the King of Great Britain, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Stands for Adding and Type-Writing Machines, of which the following is a specification.

This invention relates to improvements for use in connection with stands or supports for adding machines, typewriting machines and the like.

I provide a leaf which may be swung from a horizontal to a pendent position, which leaf is readily attachable to such stand. I provide upon the stand a support which may be adjustable for height, so as to level the leaf; and I arrange to catch the leaf detachably upon said support, in such a manner that it may swing around the same when falling or rising. I also provide upon the leaf one or more rods or braces which support the same when extended, and which may be detached therewith and folded alongside thereof for compactness.

There is also provided a separate shelf upon which to support an article whose use is required infrequently; this shelf being hinged to permit it to be swung to one side and out of the way when not required, so as to leave the aforesaid leaf to receive copy and other papers.

Other objects and advantages will hereinafter appear.

In the accompanying drawings,

Figure 1 is a perspective view of a typewriter or adding machine stand, showing the present improvements applied thereto, the leaf being extended and the shelf being swung out of the way.

Fig. 2 is a perspective view to illustrate in section a portion of the pivoted shelf and the top of the leg which serves as a socket therefor.

Fig. 3 is a sectional front elevation, showing in full lines the leaf in elevated or extended position, and showing by dotted lines a descent of the leaf to pendent position.

The improvements are intended for use in connection with an adding machine or typewriter stand, which usually comprises a top 1 and front and rear legs 2, 3, at each end thereof, two of said legs being seen, and each pair of legs being connected by upper and lower cross braces 4, 5.

One feature of the improvements is in the nature of a leaf 6 which by means of a pair of brackets or ears 7, is detachably connected to the stand, and at the same time is mounted to swing down from the position of use seen in full lines at Figs. 1 and 3, to a position of disuse alongside of the table; the same being shown in dotted lines at Fig. 3, midway between its elevated and pendent positions. Each of the ears 7 has an open slot 8, and by means of these slots, the table is hung upon a horizontal rod 9 connected to the legs 2, 3; said slot opening downwardly and outwardly, and permitting the leaf to swing up and down; while the adjacent edge portion 10 of the table 1 acts as a guard or lock to prevent the leaf from being lifted off from the rod 9 when the leaf is in its elevated position, Fig. 3.

It will be understood that when the table has been swung down to bring the slot to or beyond a vertical position, the ears or hooks may be lifted off the rod 9, and the leaf detached.

The rod 9 is secured at its ends in collars or clamps 11, one on each of the legs 2, 3; and these collars are made adjustable or shiftable up and down, each independently of the other, whereby the table may be leveled and then secured by tightening screws 12 in said collars.

The leaf is supported in its working position by means of diagonal rods or braces 13 which are connected at their upper ends to the outer end or portion of the leaf 6, and inclined downwardly and inwardly, and at their lower ends are inserted in sockets 14 which are formed with collars 15, whereby they are secured upon the lower cross-brace 5 of the stand or table.

At its upper end, each rod is pivoted at 16 to the leaf, this loose joint being convenient when inserting the rod into the socket, and also when swinging the leaf down to its pendent position; and it further permits the rods or braces 13 to be folded against the under side of the leaf for compactness when the leaf is detached from the table and set aside.

Mounted to swing over the leaf 6 between the full line and dotted line positions at Fig. 1, is a shelf 17 for supporting a multiplying

machine or anything else that is to be used at infrequent intervals. This shelf has at one corner a stem 18 which sits down in a socket 19 in the top of hollow leg 3, to permit the shelf to be swung.

The stem 18 is secured to a bracket 20 upon which the shelf 17 is fixed, said bracket having a boss 21 which rests upon the top edge of the leg 3. The shelf 17 with the multiplying machine or other object thereon, may normally occupy the full line position at Fig. 1, where it is off from the leaf 6, and out of the way; but whenever desired, it may be swung to the dotted line position to bring the multiplying machine or the like near the front of the stand and to accessible position.

In the top of the leg 3 there are notches 22, 23, into either of which may project a pin 24 fixed on the stem 18 to lock the shelf against accidental rotation from either the full line or dotted line position shown in Fig. 1. It will be seen that the shelf may be easily removed by simply withdrawing the stem 18 from its socket.

Variations may be resorted to within the scope of the invention, and portions of the improvements may be used without others.

Having thus described my invention, I claim:

1. The combination with a stand having legs, and clamps mounted on said legs for independent vertical adjustment; of a rod supported by said clamps; and a drop leaf having ears pivotally engaging said rod.

2. The combination with a stand having legs, and clamps mounted on said legs for independent vertical adjustment; of a rod supported by said clamps; a drop leaf pivoted on said rod; a brace pivoted at one end to said leaf; and a socket carried by said stand to removably receive the other end of said brace when said leaf is in horizontal position.

3. The combination with a stand having legs, of a rod, clamps on said legs and supporting said rod, said clamps adjustable up and down independently of each other, and a leaf having ears provided with open slots to engage said rod to permit the leaf to swing up and down.

4. The combination with a stand having legs, of a rod, clamps on said legs and supporting said rod, said clamps adjustable up and down independently of each other, a leaf having ears provided with open slots to engage said rod to permit the leaf to swing up and down, and a brace pivoted upon said leaf to engage a portion of said stand.

5. The combination with a stand having legs, of a rod, clamps on said legs and supporting said rod, said clamps adjustable up and down independently of each other, a leaf having ears provided with open slots to engage said rod to permit the leaf to swing up and down, and a brace pivoted upon said leaf to engage a portion of said stand; said stand having a socket in which the lower end of the brace is inserted to support the leaf.

6. The combination with a stand having legs, of a rod, clamps on said legs and supporting said rod, said clamps adjustable up and down independently of each other, a leaf having ears provided with open slots to engage said rod to permit the leaf to swing up and down, and a brace on said leaf to engage a portion of said stand; said stand having a socket in which the lower end of the brace is inserted to support the leaf; the brace being pivoted to the leaf to fold thereagainst when the leaf is detached and set aside.

7. The combination with a stand having legs, of a rod, clamps on said legs and supporting said rod, said clamps adjustable up and down independently of each other, a leaf having ears provided with open slots to engage said rod to permit the leaf to swing up and down, and a brace on said leaf to engage a portion of said stand; said stand having a socket in which the lower end of the brace is inserted to support the leaf; the brace being pivoted to the leaf to fold thereagainst when the leaf is detached and set aside; said stand having a lower cross brace and said socket being secured upon said cross brace.

8. The combination with a stand for supporting a machine; of a drop leaf pivoted to said stand for movement into and out of an effective horizontal position; a brace pivoted at one end to said leaf and having its other end adapted for removable engagement with the stand to support said leaf in such position; and an auxiliary instrument-supporting shelf pivoted to said stand for movement horizontally into and out of an effective forward position in which it overlies said leaf, when the latter occupies its horizontal position, and in which it is disposed in juxtaposition to the machine on said stand; said leaf, when in said position, serving to support work-pieces to be used in connection both with said machine and with the instrument on said shelf.

9. The combination with a stand for supporting the principal machine, of a leaf hinged to said stand so as to move from an ineffective to an effective position, and a shelf for supporting an auxiliary machine operable at intervals in coöperation with the principal machine, said shelf being movable from an ineffective position to an effective position in which it is within reach of the operator at the front of said stand and in which it is superposed with respect to said leaf, said shelf occupying but a fraction of the projected area of said leaf so as

to leave exposed a considerable portion of the surface of said leaf for supporting papers in use with the auxiliary machine on said shelf and with the principal machine on said stand.

10. The combination with a main machine stand for supporting the principal machine, of a leaf pivotally mounted at the side of the machine to extend laterally in a convenient position for supporting papers for use in connection with said machine and arranged to swing down to a pendant inoperative position at the side of the stand, and a shelf for supporting an auxiliary machine operable at intervals in coöperation with the principal machine, said shelf having a pivotal connection at one corner thereof with a corner of the stand in rear of said leaf, whereby the shelf may be swung forwardly and rearwardly into and out of an operative position in which the auxiliary machine is supported at the side of the stand within convenient reach of the operator at the front of the stand, said leaf underlying the said shelf while latter and the leaf are in operative position, and acting to support papers for both machines when either one is in action.

WILLIAM L. GUMPRECHT.

Witnesses:
FRED WALSLEBEN,
WM. REIMAN.

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