C. BIRELY.

TABLE DESK.

APPLICATION FILED AUG. 17, 1908.

915,066. Patented Mar. 16, 1909.

Fig. 1.

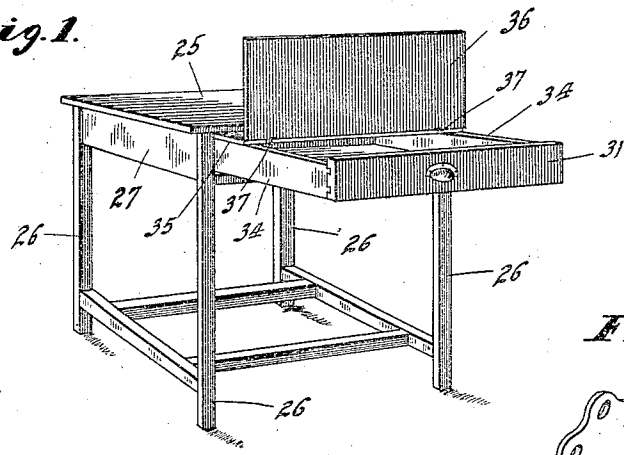


Fig. 6.

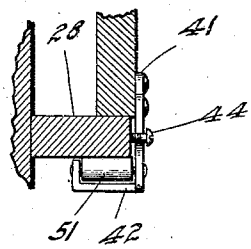


Fig. 5.

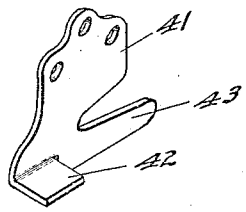


Fig. 2.

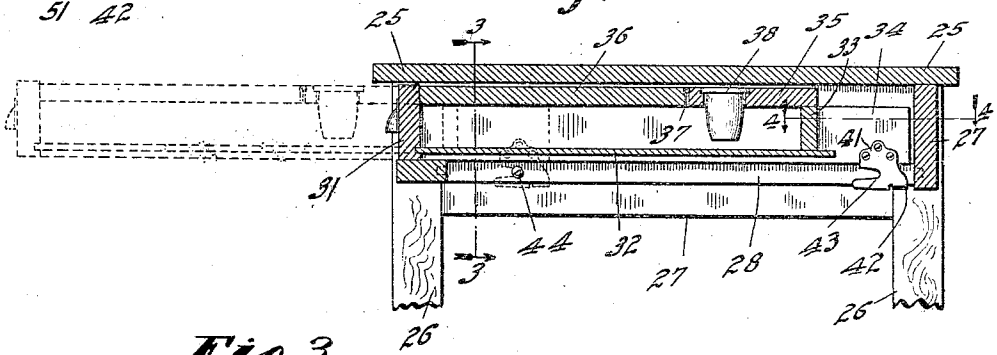


Fig. 3.

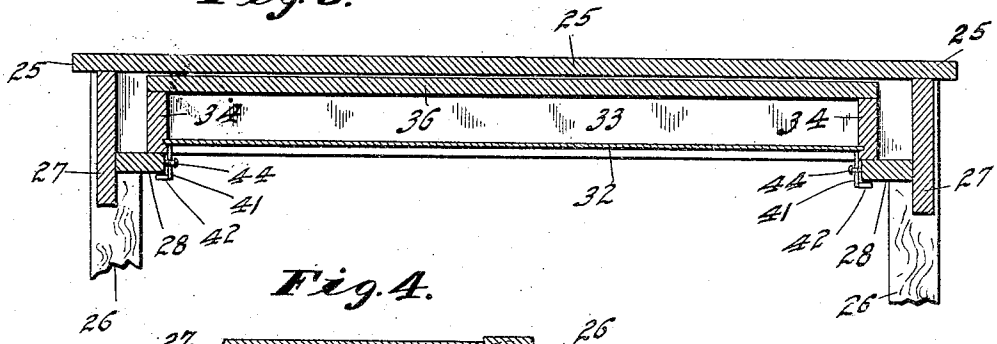
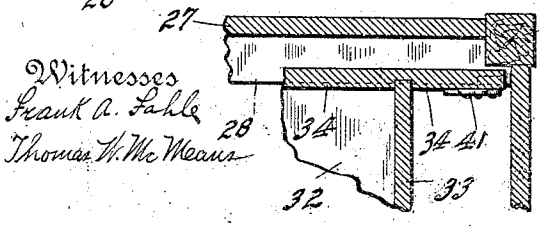


Fig. 4.



Witnesses
Frank A. Fahle
Thomas W. McMeans

Inventor
Charles Birely,
By Bradford & Hood.
Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES BIRELY, OF SHELBYVILLE, INDIANA, ASSIGNOR TO THE DAVIS-BIRELY TABLE CO., OF SHELBYVILLE, INDIANA, A CORPORATION OF INDIANA.

TABLE-DESK.

No. 915,066. Specification of Letters Patent. Patented March 16, 1909.

Application filed August 17, 1908. Serial No. 448,932.

To all whom it may concern:

Be it known that I, CHARLES BIRELY, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Indiana, have invented certain new and useful Improvements in Table-Desks, of which the following is a specification.

My present invention relates to that class of desks which are in general form of a table, wherein the desk leaf (or portion upon which the writing is done) constitutes also a cover for a drawer; and it consists in various improvements whereby the construction is simplified and cheapened, and the efficiency and convenience increased, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters represent similar parts, Figure 1 is a perspective view of a table-desk of the character in question embodying my present improvements; Fig. 2 a longitudinal vertical sectional view of the upper portion of the structure, showing the parts in closed position by means of full lines, and in open position by means of dotted lines; Fig. 3 a transverse vertical sectional view at the point indicated by the dotted line 3 3 in Fig. 2; Fig. 4 a detail plan sectional view, as seen from the point indicated by the dotted line 4 4 in Fig. 2, of one of the rear corners of the drawer and immediately adjacent parts; Fig. 5 a perspective view of the metal guide and lock, and Fig. 6 a detail sectional view of an alternative construction, showing the application of an anti-friction roller.

The table-top 25, its legs 26, the inclosing side pieces 27, and the bearers 28, are or may be of any usual or desired form or construction.

The drawer comprises an ordinary front 31, bottom 32 and rear wall 33. The sides 34 are similar to ordinary drawer-sides, except that they project farther beyond the back wall of the drawer than is usual, and are cut away at their upper edges to receive the hinged leaf or drawer top. The drawer is provided with a top consisting of a permanent portion 35 and a hinged or leaf portion 36 connected thereto by hinges 37. This hinged or leaf portion when closed rests on the upper edges of the sides where they are cut away, and in the construction shown its top is flush with the top edge of the drawer front 31. The hinges 37 should be set so that they will be substantially flush with the upper side of the parts to which they are attached, in order not to obstruct the movement of the drawer in being moved in and out. An ink well 38 should be secured in a suitable perforation in the part 35, a short distance back of the hinge line between the parts 35 and 36.

As best shown in Fig. 3 there are no guides alongside the drawer, above the bearers 28, such as is common in drawer construction. Instead, metal guides 41 are secured to the rearwardly projecting portions of the sides 34 of the drawer, and extend down past the inner faces of the bearers, thus rendering the ordinary guides (usually embodied in the frame of the table) unnecessary. These guides also have lips 42 which turn under the bearers, and thus serve, when the drawer is pulled out, as supports for holding the front end of the drawer from being too much depressed. These guides are also provided with hook-shaped portions 43, which engage with suitable pins or screws 44, which are inserted in the adjacent edges of the bearers at a point sufficiently behind their front ends to stop the drawer at the desired point, and prevent it from being withdrawn from the structure. The upper surfaces of the lower members of said hooks are also inclined, and thus serve, when they come in contact with the pins 44, to draw the drawer-structure down tightly against the bearers, preventing all lost motion, which might otherwise be present. The result is, when the drawer is pulled out to its full extent, that it is held very firmly and rigidly, which is very desirable in a structure upon which writing is to be done.

While I consider it to be unnecessary, it is possible to provide this structure with anti-friction rollers, or the like, as illustrated in the alternative construction shown in Fig. 6, where I have extended the lip 42 sufficiently to receive a pin or roller 51.

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

1. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers having prolonged sides, and metal guides secured to the extended portions of the sides and pro-

jecting down alongside the inner faces of the bearers, said guides having lips extending under the bottoms of the bearers and serving as supports when the drawer is drawn out.

2. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers having prolonged sides, metal guides secured to the extended portions of the sides and projecting down alongside the inner faces of the bearers, said guides having hook-shaped portions, and pins inserted in the bearers with which said hook-shaped portions will engage when the drawer is drawn out to the predetermined point.

3. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers having prolonged sides, metal guides secured to the extended portions of the sides and projecting down alongside the inner faces of the bearers, said guides having lips extending under the bottoms of the bearers and serving as supports when the drawer is drawn out, said guides also having hook-shaped portions, and pins inserted in the bearers with which said hook-shaped portions will engage when the drawer is drawn out to the predetermined point.

4. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers, projections extending from said bearers below said drawer, and guides secured to the sides of the drawer and projecting down alongside the inner faces of the bearers, said guides having hook-shaped portions with inclined surfaces adapted to come in contact with the projections on the guides when the drawer is drawn out to the predetermined point and thereby hold the drawer against the bearers by a wedging action.

5. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers, guides secured to the rear portions of the sides of the drawer and projecting down alongside the inner faces of the bearers, said guides having hook-shaped portions, and pins inserted in the bearers with which said hook-shaped portions will engage when the drawer is drawn out to the predetermined point.

6. The combination, in an article of furniture, with the top, legs and bearers, of a drawer resting on said bearers, guides secured to the rear portions of the sides of the drawer and projecting down alongside the inner faces of the bearers, said guides having lips extending under the bottoms of the bearers and serving as supports when the drawer is drawn out, said guides having also hooks shaped portions, and pins inserted in the bearers with which said hook-shaped portions will engage when the drawer is drawn out to the predetermined point.

7. The combination, in an article of furniture, with the top, legs and bearers, of a drawer, resting on said bearers, and guides secured to the rear portions of the sides of the drawer and projecting down alongside the inner faces of the bearers, said drawer having a cover composed of a stationary portion and a lifting portion hinged thereto, said lifting portion being adapted to close down behind and flush with the front of the drawer, substantially as shown and described.

In witness whereof, I, have hereunto set my hand and seal at Winona Lake, Indiana, this 13th day of August, A. D. one thousand nine hundred and eight.

CHARLES BIRELY. [L. S.]

Witnesses:

C. R ERBAUGH,

M. B. THRASHER.