

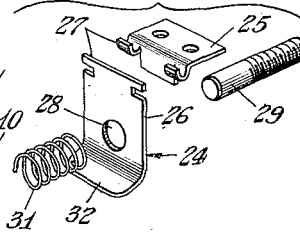
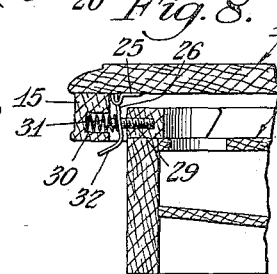
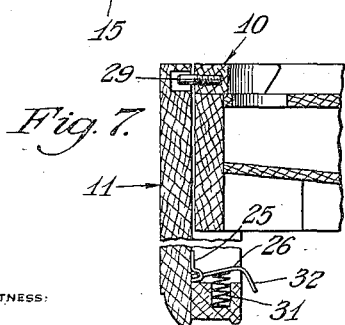
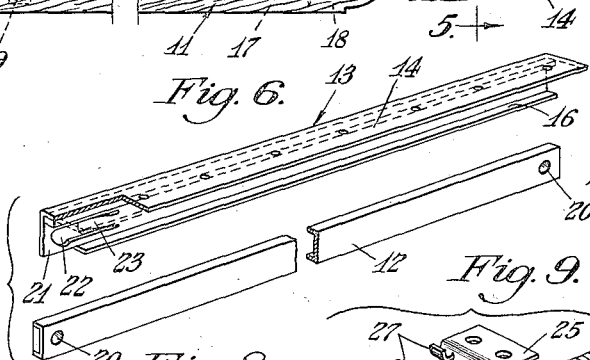
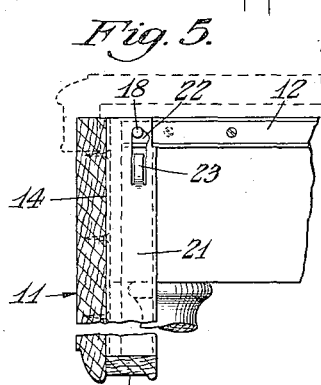
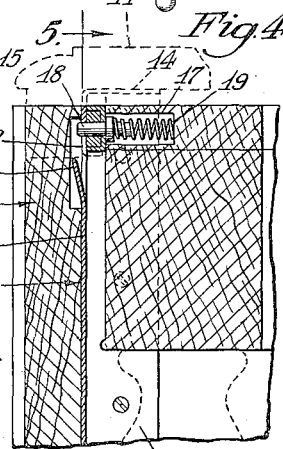
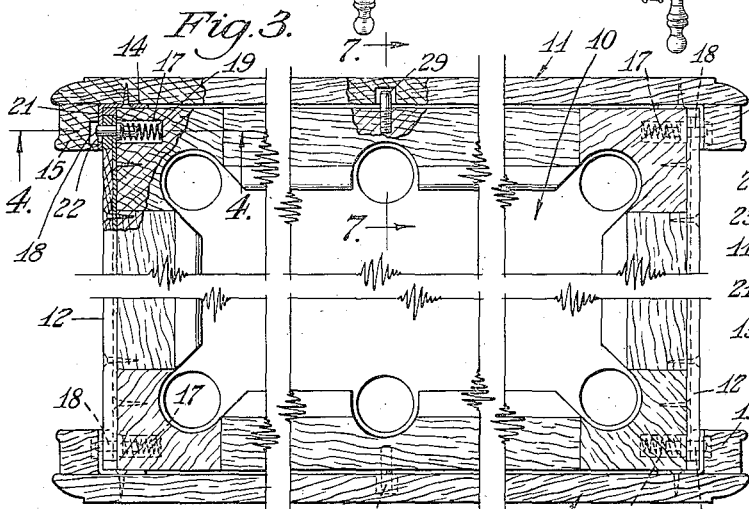
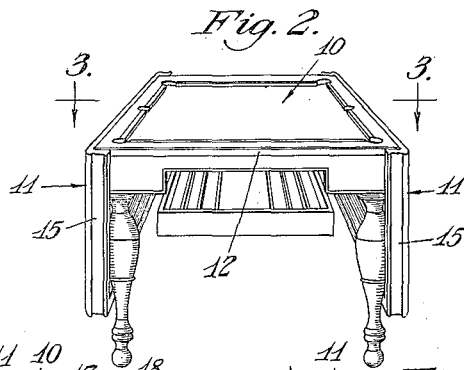
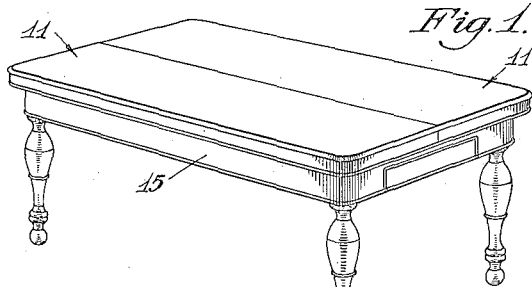
July 16, 1935.

F. HERNES

2,008,613

TABLE

Filed July 21, 1933



WITNESS:

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# UNITED STATES PATENT OFFICE

2,008,613

TABLE

Frank Hernes, Chicago, Ill.

Application July 21, 1933, Serial No. 681,602

5 Claims. (Cl. 311—3)

This invention relates to certain novel improvements in tables, and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

It is another object of this invention to provide an improved combination dining-room and game table.

Other objects of the invention are: to provide novel devices for guiding and pivoting the table top leaves from horizontal position to collapsed vertical position and conversely thereof; and to provide improved latching devices for holding the table top leaves in horizontal position and against accidental displacement therefrom.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing, showing the preferred form of construction and in which:

Fig. 1 is a perspective view showing the table top leaves in horizontal position and the table arranged for use as a dining room table;

Fig. 2 is a perspective view of the table showing the table top leaves in collapsed vertical position and the table arranged for use as a game table;

Fig. 3 is a top plan view on line 3—3 in Fig. 2, with parts broken away to show the devices provided for guiding and latching the table top leaves;

Fig. 4 is a fragmentary sectional view of one of the new guiding and pivoting devices, on line 4—4 in Fig. 3;

Fig. 5 is a sectional view on line 5—5 in Fig. 4;

Fig. 6 is a perspective view showing one of the new guiding devices;

Fig. 7 is a sectional view on line 7—7 in Fig. 3, showing the inoperative position of a device for latching the table top leaves in horizontal position;

Fig. 8 is a sectional view similar to Fig. 7 but showing the latching device in operative position; and

Fig. 9 is a perspective view of the elements of the latching device.

The new table includes a relatively stationary bed 10 which may be constructed in the form of a game table, such, for example, as a pool or billiard table; and relatively movable table top leaves 11 which are arranged for projection into

horizontal position above the bed 10 to form with the bed 10 a dining room table.

To guide and pivot the table top leaves 11 from the collapsed position of Fig. 2 into the horizontal position of Fig. 1, and conversely thereof, I provide guiding devices, one of which is shown disassembled in Fig. 6. Each of these guiding devices includes a bar 12, and these bars 12 are attached to the stationary bed of the table along the ends thereof (Fig. 3). Each of these bars 12 is guided in a channel-shaped guiding member 13. Each of the guiding members 13 includes a pair of parallel rails 14 and 16 and these guiding members 13 are attached by their rails 14 to the table top leaves 11. The bars 12 work between the rails 14 and 16 of the guiding members 13.

Formed in each corner of the table bed 10 is a socket 17 and arranged in each of these sockets 17 is a spring-urged pivot member 18. These pivot members 18 are urged outwardly from the table bed 10 by springs 19 arranged in the sockets 17 (Figs. 3 and 4), and the outer ends of the pivot members 18 are urged by the springs 19 through apertures 20 formed in the end portions of the bars 12.

While the leaves 11 are being slid horizontally the outer ends of the pivot members 18 abut and bear against the walls 21 of the guiding members 13. However, when the table top leaves 11 come to the ends of their horizontal movement, during the operation of moving the leaves 11 from horizontal position (Fig. 1) to collapsed vertical position (Fig. 2) the apertures 20 become registered with slots 22 that are formed in the end portions of the walls 21 of the guiding members 13, whereupon the table top leaves 11 pivot downwardly upon the pivot members 18 and, in so doing, turn from horizontal to vertical position.

In making the reverse turn from vertical to horizontal position the table top leaves 11 likewise pivot upon the spring-urged pivot members 18. To effect this operation the table top leaves are merely lifted from vertical to horizontal position and pushed inwardly; the outer ends of the pivot members 18 then abutting angularly extending guiding tongues 23 formed in the walls 21 of the guiding members 13 by punching out the slots 22. These tongues 23 guide the pivot members 18 back out of the slots 22 and against the walls 21 of the guiding members 13.

To hold the table top leaves 11 in horizontal position latching devices 24 (Figs. 7, 8, and 9) are provided. Each of these latching devices 24 includes a hinge having leaf part 25 attached to the lower side of the corresponding tall top leaf

11 and having a complementary leaf part 26 attached to the corresponding leaf part 25 by a conventional hinge joint 27. Formed in each hinge leaf part 26 is an aperture 28 and each of these apertures 28 is adapted to receive a latch bolt 29. The latch bolts 29 are stationarily mounted in the bed 10 of the table between the ends thereof.

Formed in a flange 15 of each table top leaf is a socket 30 (Fig. 8) and mounted in each of these sockets 30 is a spring 31. These springs 31 normally surround the outer end portions of the latch bolts 29 that are projected through the apertures 28 (Fig. 8) and the springs 31 bear on the hinge leaves 26 to urge the latter pivotally (counterclockwise, Fig. 8) into binding engagement with the latch bolts 29, thereby latching the table leaves 11 in horizontal position and holding the meeting edges of the leaves 11 in abutting engagement with each other.

To release the table top leaves 11 for movement from horizontal to vertical position the hinge leaves 26 are grasped by their handle portions 32 and pivoted (clockwise, Fig. 8), thereby compressing the springs 31 and releasing the hinge leaves 26 from binding engagement with the latch bolts 29, whereupon the table top leaves 11 may be moved from horizontal to vertical position in the aforementioned manner.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having thus described my invention what I claim as new and desire to protect by Letters Patent is:—

1. A table comprising the combination of: a relatively stationary bed and table top leaves movably associated with said bed for movement relative thereto into a common horizontal plane above the bed and for movement into collapsed vertical position at opposite sides of the bed; and devices for guiding and pivoting each of said table top leaves during the aforementioned movements; each of said devices including the following parts: horizontal bars attached to the bed at opposite ends of the latter; each of said bars having apertures extending transversely therethrough; guiding members attached to each table top leaf at opposite ends thereof and each including spaced parallel rails slidably receiving the corresponding one of said bars; each of said guiding members including a wall extending between said rails having a slot formed in one end portion thereof; and spring-urged pivot members slidably mounted in said bed and apertures and having end portions adapted for projection into said slots when the latter are registered with said apertures during the operation of effecting the aforementioned movements.

2. A table comprising the combination of: a relatively stationary bed and table top leaves movably associated with said bed for movement relative thereto into a common horizontal plane

above the bed and for movement into collapsed vertical position at opposite sides of the bed; and devices for guiding and pivoting each of the said table top leaves during the aforementioned movements; each of said devices including the following parts: horizontal bars attached to the bed at opposite ends of the latter; each of said bars having apertures extending transversely therethrough; guiding members attached to each table top leaf at opposite ends thereof and each including spaced parallel rails slidably receiving the corresponding one of said bars; each of said guiding members including a wall extending between said rails having a slot formed in one end portion thereof; and spring-urged pivot members slidably mounted in said bed and apertures and having end portions adapted for projection into said slots when the latter are registered with said apertures during the operation of effecting the aforementioned movements; each of said walls including a portion angled from the longitudinal axis thereof and on the side thereof opposite the corresponding one of said pivot members to guide the latter out of said slots into abutting engagement with said walls during the operation of effecting the first-named of the aforementioned movements.

3. In a table comprising a supporting bed and top leaves movably associated therewith, means carried by said leaves extending inwardly and positioned between the top and bottom surfaces of the leaves, to guide the leaves when slid to and fro upon the bed, yieldable pivots carried by the bed for pivotally connecting the leaves thereto, said pivots being operatively connected with said means, to permit the leaves to be arranged in a vertical position, and means carried by said first-named means arranged to depress the yieldable pivots and thereby render the pivots inoperative when the leaves are slid inwardly of the bed in a horizontal plane.

4. In a table comprising a supporting bed and a leaf movably associated therewith, a spring pressed pin projecting from one end of the bed arranged to provide a pivot for said leaf, a member carried by said leaf cooperating with the bed, to permit sliding movement of the leaf relatively to the bed in a horizontal plane, said member having an opening arranged to receive the pin when the leaf is arranged in its pivotal position, and a finger carried by said member and projecting into said opening, to depress the pin out of the opening, to permit sliding movement of the leaf in its horizontal plane.

5. In a table comprising a supporting bed and top leaves movably associated therewith, track means between the leaves and the bed, to guide the leaves for sliding movement relatively to the bed in a horizontal plane, depressible pivots carried by said bed, said track means having openings arranged to receive said pivots so that the leaves may be swung into a vertical plane with respect to the bed of the table, and deflecting elements carried by the track means arranged to depress the pins for rendering the pivotal connections inoperative when the leaves are moved in their horizontal plane.

FRANK HERNES.