Feb. 17, 1931. M. FOX 1,793,391

EXTENSION TABLE

Filed June 4, 1928 2 Sheets-Sheet 1

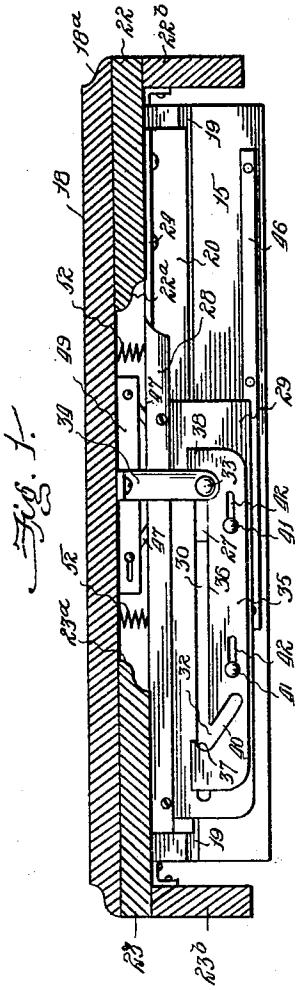


Fig. 1.

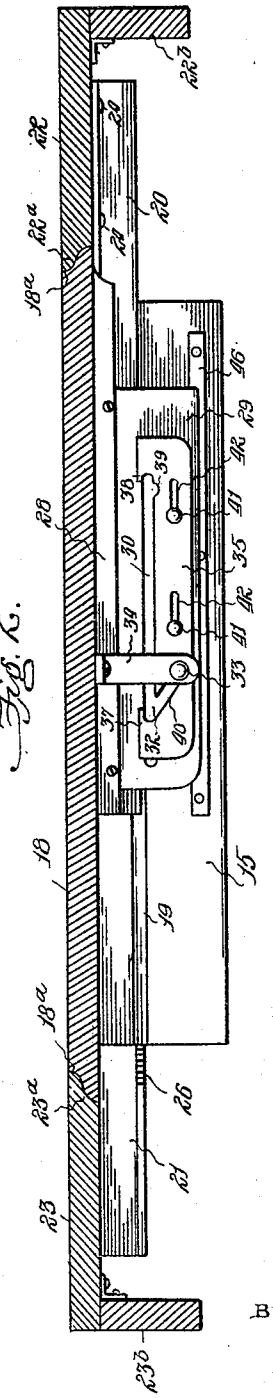


Fig. 2.

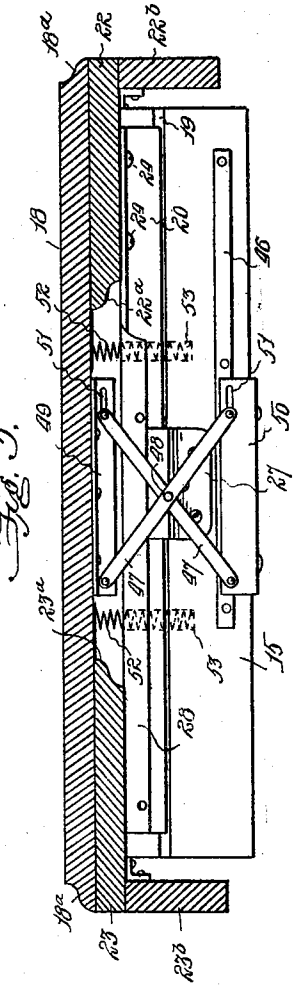


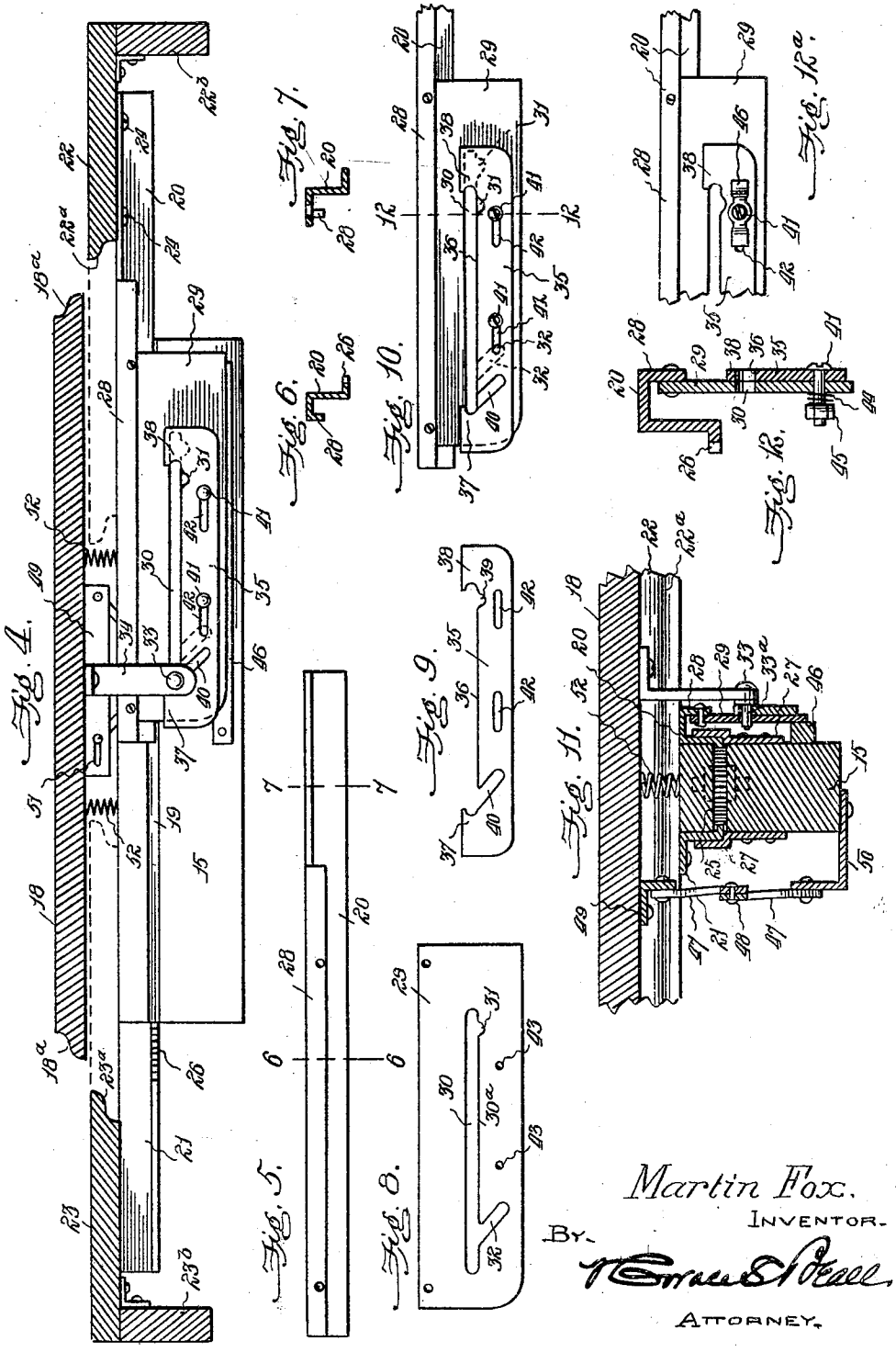
Fig. 3.

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EXTENSION TABLE

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Patented Feb. 17, 1931

1,793,391

UNITED STATES PATENT OFFICE

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EXTENSION TABLE

Application filed June 4, 1928. Serial No. 282,787.

My invention is an improvement in extension tables, and relates more especially to that particular type in which the leaves forming the extension of the top are slidable longitudinally under the latter to housed position for which purpose the top has a vertical movement on the supporting frame so that in its raised position there is sufficient clearance for the sliding movement of the leaves thereunder and in lowered position, with the leaves extended, said top is interposed between them so as to be co-planar therewith, mechanism being provided for operating the top automatically on manipulation of the leaves.

The primary object of my invention is to provide a simple and effective construction and arrangement of devices operating in cooperation with the extension leaves for imparting a positive and orderly movement to the top when the leaves are slid in parallel alignment and horizontally from housed to extended position and vice versa, whereby in the present instance the means for maintaining the top raised during the sliding movement of the extension leaves from extended to housed position provide a firm and substantial trackway over which the means supporting said top will travel.

A further object of my invention is to provide mechanical devices for the purpose stated that are not only simple and effective in construction but also strong and durable, easily operated, and are not liable to get out of order.

Other objects and advantages of my invention are obtained by the novel construction and arrangement of the device cooperating with the movable parts of the extension table, all as hereinafter fully described and more particularly set forth in the appended claims.

In the accompanying drawings:

Figure 1 is a sectional view through the upper part of an extension table of my invention, showing the leaves housed under the top.

Figure 2 is a similar view, the leaves being in extended position on a line with the top against the opposite edges thereof.

Fig. 3 is a view similar to Fig. 1 with the devices for operating the top removed.

Fig. 4 is a view showing the leaves in outermost extended position preliminary to sliding them to housed position under the raised top.

Fig. 5 is a detail side elevation of the metal slide carrying the devices for operating the top.

Figs. 6 and 7 are sectional views on the line 6—6 and 7—7 of Fig. 5.

Fig. 8 is a detail view of the track-plate fixed to the metal slide of one of the extension leaves.

Figure 9 is a detail view of the auxiliary or movable track-plate.

Fig. 10 is a detail side elevation of the metal parts constituting the mechanism for raising and lowering the top.

Fig. 11 is an enlarged sectional view through the center of the upper part of the extension table, with the parts arranged as shown in Fig. 1.

Figure 12 is a sectional view, enlarged, on the line 12—12 of Fig. 10.

Fig. 12*a* is a detail elevation illustrating a modification of the means for yieldingly connecting the track-plate.

In the drawings I have shown only so much of an extension table as will illustrate the application of my invention in connection with a rail for supporting the top, extension leaves, and devices for raising and lowering the top on movement of the extension leaves, it being understood that in practice the arrangement will be duplicated with respect to a second rail and that said rails are supported on legs or a pedestal according to the style of table desired. Furthermore, it will be apparent that though I have embodied in this application certain modifications the arrangement is susceptible of other modifications or changes within the spirit and scope of the appended claims.

For the purpose of carrying out my invention the horizontal rail 15 is provided at opposite sides thereof with longitudinal grooves 19 along which travel the inturned lower edges of metal slides 20 and 21 attached to the extension leaves 22 and 23, respectively, each metal slide being connected at its outer end to the table leaf by screws, as 24, and extend for a considerable distance inwardly therefrom or to near the opposite end of the rail 15 when the leaf is housed, and so

that the extension leaves will move simultaneously there is a gear-wheel or pinion 25 (Fig. 11) within the rail meshing with rack-teeth 26 formed on the aforementioned inturned edges of both slides. It will be noted that each metal rail has an upper horizontal portion or attaching member by which it is secured to the extension leaf and a depending portion which bears against the rail with the inturned toothed edge or rack 26 entering the grooves, respectively, whereby the slides 20 and 21 embrace the rail for direct longitudinal movement of the extension leaves, but in order to guide them in direct parallel and horizontal alignment, and more especially to maintain the rack-teeth in mesh with the gearwheel bracket-plates 27 are attached to the rail at opposite sides thereof with their bent upper ends engaging the slides, and inasmuch as the mechanism for raising and lowering the top is located on one side of the rail only slide 20 is provided at the outer edge of the upper portion thereof with a depending flange 28 for attaching said mechanism thereto.

The operating mechanism for raising and lowering the table top on simultaneous movement of the extension leaves in either direction comprises a plate 29, herein termed a track-plate, attached to and depending from the flange 28 of the slide 20 and provided with a horizontal slot 30 the lower edge of which forms a track having at its outer or forward end a slight depression 31 and near its inner or rear end a deeper depression or inclined slot 32 extending forwardly, the main slot 30 or track formed thereby being continued rearwardly beyond the inclined slot 32 for the purpose hereinafter explained. Within the slot 30 on the track formed thereby travels a roller 33*a* carried by a pin 33 projecting inwardly from the lower end of a bracket-arm 34 secured to and depending from the underside of the table top to form the main support therefor, it being obvious that when the extension leaves are housed, as shown in Fig. 1, the roller of this supporting arm will rest in the depression 31 at the forward end of the track to position the top on said leaves, and that when the latter are slid outwardly carrying the track-plate with slide 20 said roller will first rise out of the depression 31 to slightly raise the table top above the extension leaves for clearance and then travel on the movable track until it enters the deeper depression or inclined slot 32 to allow the table top to be lowered on to the rails and slides, the depression 31 and slot 32 being so spaced apart that the extension leaves will be separated the required distance to receive the top between them, and in order that the meeting edges will fit closely together slot 32 is disposed at the angle shown permitting the roller on the supporting bracket-arm to ride down the inclined slot forwardly by the weight of the table top and draw the leaf to which the track-plate and slide 20 are connected inwardly while a like movement is imparted to the other extension leaf through the intervention of the racks and pinions; that is to say, the mechanism so far described provides for slightly elevating the table top for clearance in the movement of the extension leaves horizontally from housed to extended position and for lowering said top in between said extension leaves when extended, the lowering movement of the top and pulling of the leaves against the same being effected in the present instance after the leaves are spaced from the opposite edges of the top and the roller passes beyond the perpendicular with respect to the seat in the lower end of the slot. Now in order to maintain the top in raised position for the closing or housing movement of the extension leaves I provide for closing the upper end of the slot 32 so that the roller on the bracket-arm supporting the top may travel across the same as the track-plate 29 and parts carried thereby are operated by the extension leaf 22, and this is accomplished in the present instance by means of a movable member in the form of an auxiliary track-plate 35 slidably mounted at one side, preferably the outer side, of the track-plate 29 and cut away at its upper end to provide a section of track 36 on a plane with the track at the lower edge of the horizontal slot 30, with abutments 37 and 38 at opposite ends of said track 36 against which the roller 33*a* will strike at the ends of its travel over the companion tracks in both directions to shift the auxiliary track-plate which is also provided with depression 39 and slot 40 corresponding with the depression 31 and slot 32 and adapted to register therewith in the operation of extending the leaves as hereinbefore explained, the said auxiliary track-plate being slidably attached to the main track-plate by means of bolts 41 passing through slots 42 therein and through holes 43 in the companion track-plate, with expansion springs 43 interposed between the nuts 45 and inner side of track-plate 29 (see Fig. 12) so as to hold the movable track-plate under tension in the positions to which it is shifted by the roller striking against the abutments 37 and 38 in the operation of the extension leaves of the table. Instead of yieldingly binding the track-plates together by compression springs I may employ spring plates 46 interposed between the bolt heads and outer track-plate (see Fig. 12*a*), said spring plates being bowed so that their ends will press against the movable track-plate. It will be obvious that when the leaves are in extended position, with the top in between and co-planar therewith as in Fig. 2, the roller of the supporting arm will be at the lower end of the companion slots 32 and 40

and by extending the leaves to their outermost position (Fig. 4) preliminary to closing or housing the same the roller will travel up said inclined slots and on to the track portion of plate 29 beyond slot 32, at the same time moving track-plate 35 by contact with abutment 37 to close slot 32, as well as slot 40, thereby presenting a firm continuous trackway for supporting the table top during the sliding movement of the leaves from extended to housed positions, and as slot 39 is closed when the auxiliary track-plate is shifted for this operation the roller will continue to travel over the moving track or tracks, including the track portion of plate 29 adjoining said slot 39, until it strikes the abutment 38 and shifts the plate to bring the slots 39 and 31 in alignment to receive the roller for lowering the table top on to the housed leaves, said top having been in its uppermost position for clearance during the sliding movement of the leaves.

For the purpose of guiding the lower end of the plate 29 in its travelling movement with the table-leaf slide a strip 46 is attached horizontally to the rail and for guiding the top when raised and lowered on slidable movement of the extension leaves I preferably employ the arrangement shown in the drawings comprising a pair of toggle links 47 47 pivoted together centrally at 48 and at their ends pivoted to angle plates 49 50 attached to the underside of the table top and lower edge of the supporting slide, the pivotal connection of one end of each link to its angle plate being by means of slots 51 to permit movement of said links after the manner of lazy tongs. Furthermore, in order to assist in lifting the top when the operating mechanism is used in connection with a large table or heavy top helical expansion springs 52 are compressed between said top and the supporting rail being seated in holes 53 in the latter bored the desired depth from the top thereof.

The meeting edges 18*a* of the top and 22*a* and 23*a* of the extension leaves are preferably curved or finished as shown in the drawings, and as the registering slots 32 and 40 are inclined forwardly said meeting edges will come together and fit closely when the top is lowered in between the leaves, but of course said slots being at an angle with the tracks serve the additional purpose of providing inclined surfaces for the travel of the roller in the raising and lowering movement of the top.

From the foregoing description in connection with the accompanying drawings it will be apparent that my invention not only provides a simple and effective arrangement in the form of a plate attached to one of the slides and having a track with a depression and slot therein to cooperate with the support for the top in raising and lowering the latter during the sliding movement of the extension leaves from housed to extended position, but by the simple addition to said plate of a movable plate having a corresponding track with a depression and slot adapted to register with the track, depression and slot in the main plate and movable out of alignment therewith I provide simple means operating in a positive manner for maintaining the table top in raised position during the movement of the extension leaves in housing the same and for pulling the extended leaves against the opposite edges of the lowered top to not only provide a close joint but also permit the edges of the top to be beveled or finished as shown in the drawings.

I claim:—

1. In an extension table having a vertically movable top and leaves with slides for horizontal movement of said leaves on a rail of the supporting frame, means for guiding the top in its vertical movements, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forwardly with the table leaf, and an inclined slot extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it against the top as the latter is lowered by the supporting arm entering said inclined slot.

2. In an extension table having a vertically movable top and leaves with slides for horizontal movement of said leaves on a rail of the supporting frame, means for guiding the top in its vertical movements, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forwardly with the table leaf, a depression at one end of the track, and an inclined slot at the other end of the track extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it against the top as the latter is lowered by the supporting arm entering said inclined slot.

3. In an extension table having a vertically movable top and leaves with slots for horizontal movement of said leaves on a rail of the supporting frame, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forwardly with the table leaf, a depression at one end of the track, and an inclined slot at the other end of the track extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it

against the top as the latter is lowered by the supporting arm entering said inclined slot; together with means for guiding the top in its vertical movements, and expansion springs interposed between the top and rail for assisting in the lifting movement of the top.

4. In an extension table having a vertically movable top and leaves with slides for horizontal movement of said leaves on a rail of the supporting frame, means for guiding the top in its vertical movements, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forwardly with the table leaf, and an inclined slot extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it against the top as the latter is lowered by the supporting arm entering said inclined slot; together with a member movable on the plate to close the upper end of the inclined slot and form a continuation of the track on a plane with the tread portion thereof, and means cooperating with the top supporting arm and responsive to the movement of the leaf supporting slide for moving said slot closing member with respect to the slot.

5. In an extension table having a vertically movable top and leaves with slides for horizontal movement of said leaves on a rail of the supporting frame, means for guiding the top in its vertical movements, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forwardly with the table leaf, and an inclined slot extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it against the top as the latter is lowered by the supporting arm entering said inclined slot; together with a member movable on the plate at one side thereof and on a line with the track to form a contiguous extension thereof at the upper end of the inclined slot when in alignment with said slot, and means cooperating with the top supporting arm and responsive to the movement of the leaf supporting slide for moving said slot closing member with respect to the slot.

6. In an extension table having a vertically movable top and leaves with slides for horizontal movement of said leaves on a rail of the supporting frame, means for guiding the top in its vertical movements, a supporting arm depending from the top and having an offset portion at its lower end, a plate attached to one of the leaf supporting slides and having a horizontal track over which the supporting arm of the top rides when the slide is moved forward with the table leaf, and an inclined slot extending downwardly and forwardly under the track to reverse the movement of the leaf and pull it against the top as the latter is lowered by the supporting arm entering said inclined slot; together with a member movable on the plate at one side thereof and on a line with the track to form a contiguous extension thereof at the upper end of the inclined slot when in alignment with said slot, means cooperating with the top supporting arm and responsive to the movement of the leaf supporting slide for moving said slot closing member with respect to the slot, and means for yieldably holding said member in either position to which it is shifted.

7. In an extension table having a support for the top, a vertically movable top and means for guiding the same, and extension leaves slidable horizontally on the support, of a plate carried by one of the leaves and having a horizontal track with an inclined slot extending downwardly and forwardly therefrom, an auxiliary plate slidable at one side of the aforesaid plate and having a track portion and slot corresponding with the track and slot of the first mentioned plate and adapted to register therewith, an arm depending from the table top to rest on the tracks and enter the slots when they are in line with each other, and means operated by the arm to move the auxiliary plate for closing the slots and form continuations of the horizontal tracks at the upper ends of said slots.

8. In an extension table having a supporting rail, a top and means for guiding the same vertically, and extension leaves with slides cooperating with the rail for horizontal movement of said leaves, of a plate carried by one of the leaves and cut away to provide a horizontal track and an inclined slot extending downwardly and forwardly from said track, a plate slidable at one side of the aforesaid plate and having a slot corresponding with the slot therein and adapted to register therewith, and a projection on the last mentioned plate extending above the track of the companion plate; together with an arm depending from the table top to rest on the track and travel thereover, said arm engaging the projection to move the slidable plate.

9. In an extension table having a supporting rail, a top and means for guiding the same vertically, and extension leaves with slides cooperating with the rail for horizontal movement of said leaves, of a plate carried by one of the leaves and cut away to provide a horizontal track and an inclined slot extending downwardly and forwardly from said track, a plate slidable at one side of the aforesaid plate and having a slot corresponding with the slot therein and adapted to register therewith, and spaced apart projections

on the last mentioned plate extending above the track of the companion plate; together with an arm depending from the table top to rest on the track and enter the slots when they are in line with each other and adapted to strike the projections on the slidable plate to move the same from one position to another with respect to registration of the slots.

10. In an extension table having a supporting rail, a top and means for guiding the same vertically, and extension leaves with slides cooperating with the rail for horizontal movement of said leaves, of a plate carried by one of the leaves and cut away to provide a horizontal track and an inclined slot extending downwardly and forwardly from said track, a plate slidable at one side of the aforesaid plate and having a slot corresponding with the slot therein and adapted to register therewith, means for pressing the plates yieldingly together for holding the slidable plate in either shifted position, and spaced apart projections on the slidable plate extending above the track of the companion plate, together with an arm depending from the table top to rest on the track and enter the slots when they are in line with each other, said arm being adapted to strike the projections of the sliding plate and shift the same with respect to registration of the slots.

11. In an extension table having a supporting rail, a top and means for guiding the same vertically, and extension leaves with slides cooperating with the rail for horizontal movement of said leaves, of a plate carried by one of the leaves and cut away to provide a horizontal track with a depression at one end thereof and an inclined slot near the other end, a plate slidable at one side of the aforesaid plate and having a depression and slot corresponding with the depression and slot therein and adapted to register therewith, springs for pressing the plates together to hold them in shifted positions, and projections at the ends of the slidable plate extending above the track of the companion plate; together with an arm depending from the table top and supported by the plates.

12. In an extension table having a supporting rail, a vertically movable top and means for guiding the same, and extension leaves with slides cooperating with the rail for horizontal movement of said leaves, of a plate carried by one of the leaves and having a horizontal track with a depression at one end and an inclined slot near the other end, an auxiliary plate slidable at one side of the aforesaid plate and having a depression and a slot corresponding with the depression and slot in said companion plate and adapted to register therewith, bolts extending through slots in the auxiliary plate and through holes in the companion plate, and springs interposed between the bolts and the adjoining plate; together with projections on the auxiliary plate extending above the track of the companion plate, and an arm depending from the table top and resting on the tracks to enter the depressions and slots when in alignment with each other, said arm being adapted to strike the aforesaid projections for shifting the auxiliary plate at the ends of the opening and closing movements of the extension leaves.

13. In an extension table having a vertically movable top and horizontally slidable leaves mounted on a supporting frame for housing the leaves under the top, of metal parts constituting the mechanism for raising and lowering the top on movement of the leaves comprising a metal slide for attachment to the leaves, a plate carried by the slide and having a horizontal track with an inclined slot at one end, an auxiliary plate slidable at one side of the first mentioned plate and having track portion and an inclined slot adapted to register with the corresponding track portion and slot of said companion plate with abutments at the ends of the auxiliary plate projecting above the track of the companion plate.

14. In an extension table having a vertically movable top and horizontally slidable leaves mounted on a supporting frame for housing the leaves under the top, of metal parts constituting the mechanism for raising and lowering the top on movement of the leaves comprising a metal slide for attachment to the leaves, a plate carried by the slide and having a horizontal track with a depression at one end and an inclined slot near the other end, an auxiliary plate at one side of the aforesaid plate and having track portion, depression and slot adapted to register with the corresponding track-portion, depression and slot of said companion plate with abutments at the ends of the auxiliary plate projecting above the track of the companion plate, bolts connecting the plates and passing through slots in the auxiliary plate, and means exerting a tension between the plates.

15. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with a depression at one end and a downwardly and forwardly inclined slot at the other end, and an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate.

16. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with

a depression at one end and a downwardly and forwardly inclined slot at the other end, and an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate; together with means engageable by a part of the table for sliding one plate on the other in opposite directions.

17. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with a depression at one end and a downwardly and forwardly inclined slot at the other end, and an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate; together with means for holding the plates in yieldable and slidable engagement one with the other, and means responsive to the movement of a part of the table for sliding one plate on the other in opposite directions.

18. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with a depression at one end and a downwardly and forwardly inclined slot at the other end, an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate, and abutments on the slidable plate engageable by a part of the table for sliding said plate back and forth on the main plate.

19. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with a depression at one end and a downwardly and forwardly inclined slot at the other end, an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate, means for holding the plates in yieldable engagement one with the other, and abutments on the slidable plate engageable by a part of the table for sliding said plate back and forth on the main plate.

20. Metal devices for use in connection with the movable parts of an extension table comprising a main plate attachable to a movable leaf and having a horizontal track with a depression at one end and a downwardly and forwardly inclined slot at the other end, an auxiliary plate slidable at one side of the main plate and having a track, depression and slot corresponding with those of the main plate and adapted to be brought into alignment therewith and when out of alignment said auxiliary plate providing an extension of the main track across the slot and depression in the main plate, bolts connecting the plates and passing through slots in one of said plates, springs interposed between the bolts and one of said plates for holding the latter in yielding engagement with the other plate, and abutments on the slidable plate engageable by a part of the table for sliding said plate back and forth on the main plate.

21. In an extension table having vertically movable and horizontally slidable parts forming the top, said parts being disposed one above the other in housed position, of means for imparting a forward or outward and slight rearward movement to the slidable parts on operation of the latter in extending the table comprising a horizontal track and an inclined extension thereof under said horizontal track whereby to pull the slidable parts against the companion part of the top to provide a tight joint.

22. In an extension table having vertically movable and horizontally slidable parts forming the top, said parts being disposed one above the other in housed position, of means for imparting a forward or outward and slight rearward movement to the slidable parts on operation of the latter in extending the table comprising a horizontal track and an inclined extension thereof under said horizontal track whereby to pull the slidable parts against the companion part of the top to provide a tight joint, and means responsive to the extensive movement of the slidable parts beyond the inclined track to support the vertically movable part in raised position during the housing operation.

23. Metal devices for use in connection with vertically movable and horizontally slidable parts of an extension table comprising a metal plate for attachment to the horizontally movable part of the table and having a horizontal main track and an inclined slot at one end thereof extending downwardly and forwardly under the track, said track and inclined slot supporting the vertically movable part of the table and guiding the horizontally movable part with respect to said vertically movable part, and a member mov-

able on the plate in and out of alignment with the upper end of the inclined slot to form a contiguous track section closing said slot.

24. Metal devices for use in connection with vertically movable and horizontally slidable parts of an extension table comprising a metal plate for attachment to the horizontally movable part of the table and having a horizontal main track and an inclined slot at one end thereof extending downwardly and forwardly under the track, said track and inclined slot supporting the vertically movable part of the table and guiding the horizontally movable part with respect to said vertically movable part, and an auxiliary plate slidable at one side of the aforesaid plate and adapted to form a track section at one side of the upper end of the inclined slot.

25. Metal devices for use in connection with vertically movable and horizontally slidable parts of an extension table comprising a metal plate for attachment to the horizontally movable part of the table and having a horizontal main track and an inclined slot at one end thereof extending downwardly and forwardly under the track, said track and inclined slot supporting the vertically movable part of the table and guiding the horizontally movable part with respect to said vertically movable part, an auxiliary plate slidable at one side of the aforesaid plate and adapted to form a track section at one side of the upper end of the inclined slot, and means for connecting said plates together for frictional engagement.

26. Metal devices for use in connection with vertically movable and horizontally slidable parts of an extension table comprising a metal plate for attachment to the horizontally movable part of the table and having a horizontal main track and an inclined slot at one end thereof extending downwardly and forwardly under the track, said track and inclined slot supporting the vertically movable part of the table and guiding the horizontally movable part with respect to said vertically movable part, in auxiliary plate slidably connected to the aforesaid plate at one side thereof and adapted to be moved in and out of alignment with the upper end of the slot to provide a contiguous track bridging said slot, and abutments extending upwardly from the auxiliary plate.

27. Metal devices for use in connection with vertically movable and horizontally slidable parts of an extension table comprising a metal plate for attachment to the horizontally movable part of the table and having a horizontal main track and an inclined slot at one end thereof extending downwardly and forwardly under the track, said track and inclined slot supporting the vertically movable part of the table and guiding the horizontally movable part with respect to said vertically movable part, an auxiliary plate connected to and slidable at one side of the aforesaid plate and having a corresponding track and inclined slot, the track on both plates being extended beyond the inclined slot, and abutments on the auxiliary plate to provide for the operation thereof by a part of the extension table.

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