

C. J. BROWN.

PEDESTAL EXTENSION TABLE.

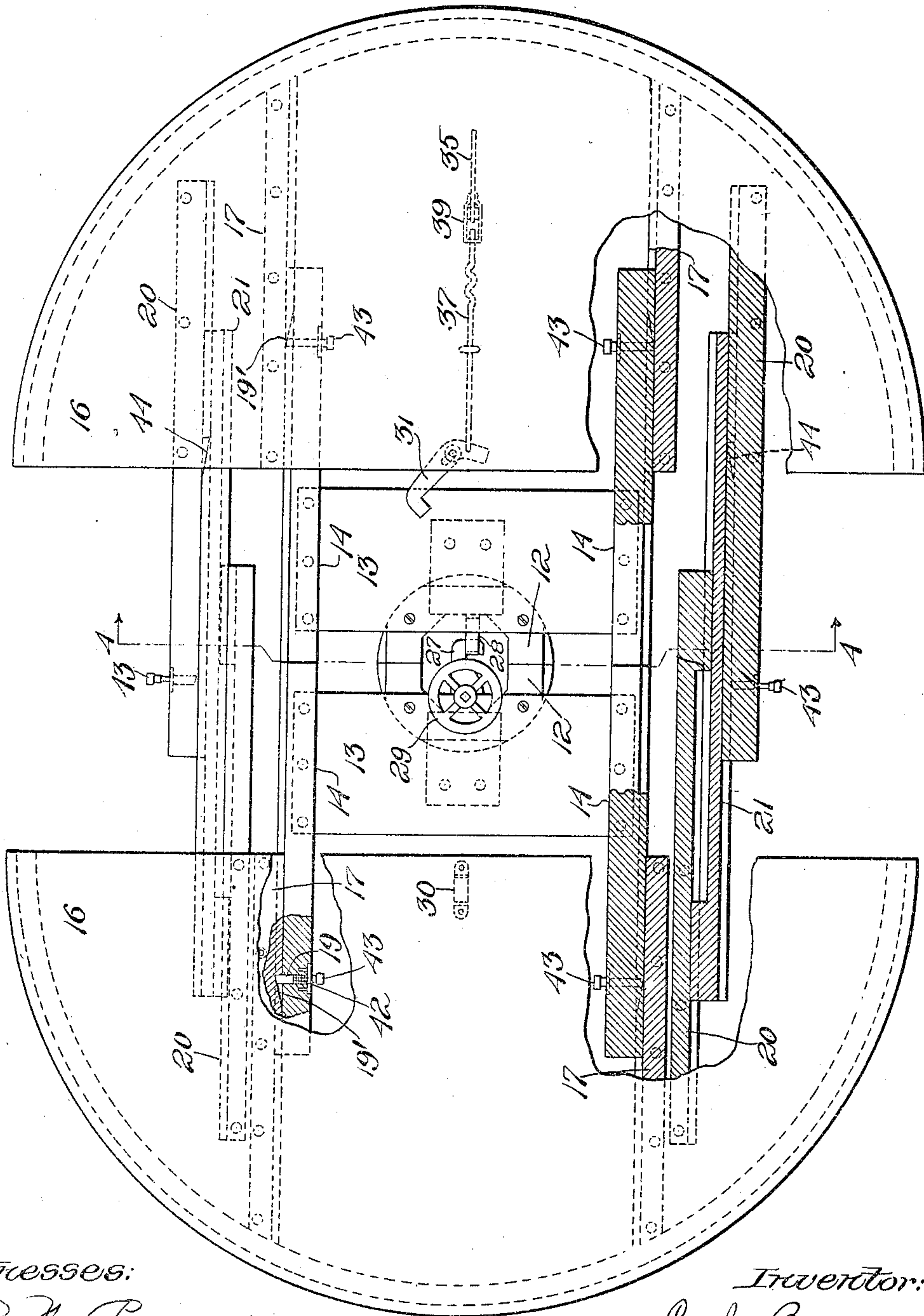
APPLICATION FILED MAY 5, 1909. RENEWED SEPT. 10, 1910.

975,604.

Patented Nov. 15, 1910.

3 SHEETS—SHEET 1.

Fig. 1.



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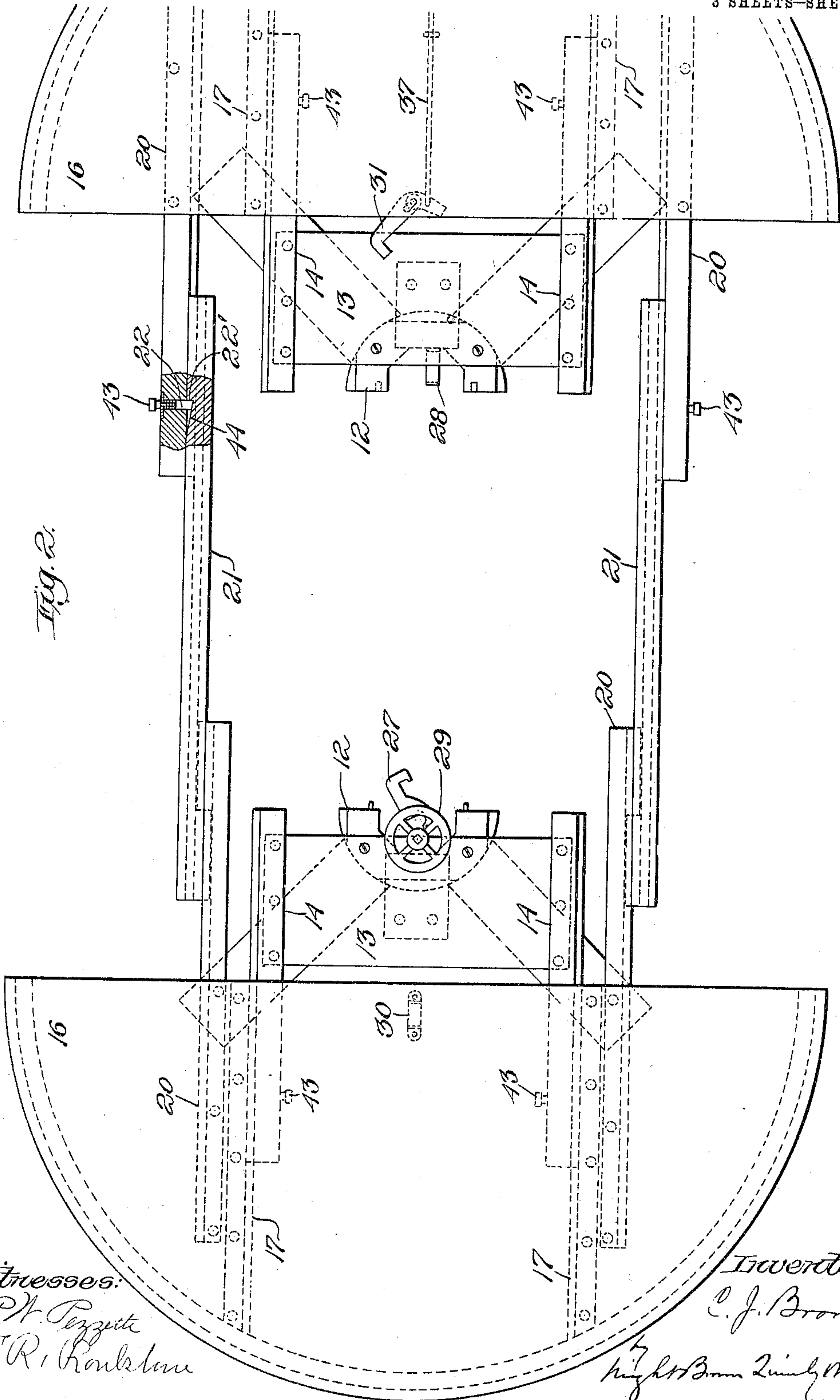
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3 SHEETS—SHEET 2.



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PEDESTAL EXTENSION TABLE.

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3 SHEETS—SHEET 3.



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UNITED STATES PATENT OFFICE.

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PEDESTAL EXTENSION-TABLE.

975,604.

Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed May 5, 1909, Serial No. 494,201. Renewed September 10, 1910. Serial No. 581,447.

To all whom it may concern:

Be it known that I, CHARLES J. BROWN, of Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Pedestal Extension-Tables, of which the following is a specification.

This invention has relation to extension dining tables of the type in which the top is formed in two sections which may be moved apart to receive one or more intermediate or extension leaves, and in which the top is supported by a columnar pedestal.

The object of the invention is to provide a table of the type referred to, in which the top may be disconnected and wholly separated from the pedestal without removing any of the permanent fastenings, such as screws, bolts or the like, whereby a knock-down construction is provided which enables the manufacturer or dealer to ship or store the tops and pedestals separately or to equip any particular pedestal with any one of a plurality of tops of desired sizes or designs.

The invention has further for its object to provide a table of the type referred to in which the pedestal, as well as the top, is formed in separable sections, whereby a minimum extension of the table may be effected by separating the top sections without separating the pedestal sections, and a maximum extension may be effected by a separation of both the pedestal sections and the top sections, the intermediate leaves being supported by telescopic slides or supports when the table is thus extended.

In carrying out my invention, I employ in connection with the telescopic slides, coacting stops, some of which are manually movable and normally limit the movement of the top sections relatively to the pedestal, said manually movable stops being withdrawable to permit the total disconnection of the top sections from the pedestal. Also in the illustrated embodiment of the invention, I employ two sets of telescopic slides or supports, one set connecting the top sections to the pedestal, and the other set connecting the top sections together and serving to support the intermediate leaves when the pedestal sections are separated and the table is extended to its maximum length, said supports or slides being provided with stops previously referred to, which permit the dis-

connection of the top sections from each other and from the pedestal.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a top plan view of a table embodying my invention, showing the sections of a permanent top separated, parts of the top sections being broken away, and other parts below them shown in section. Fig. 2 represents a view similar to Fig. 1, showing the table fully extended, the sections of the pedestal being separated. Fig. 3 represents a longitudinal section showing a portion of the table with the top fully contracted and the sections of the pedestal closed together. Fig. 4 represents a section on line 4—4 of Fig. 1. Fig. 5 represents a section on line 5—5 of Fig. 3, showing the mechanism for locking the pedestal sections together. Fig. 6 represents a section on line 6—6 of Fig. 3, and a side view of the parts above said line.

The same reference characters indicate the same parts in all the figures.

In the drawings, 12, 12 represent the sections of a divided extension table pedestal, said sections being formed to surround a central space or cavity for the reception of the mechanism, hereinafter described, for detachably locking the sections together. To the upper end of each section 12 is attached a transverse supporting member 13, said members extending crosswise of the table and constituting horizontal beds located below the table top. To each of the supporting members 13 is attached a plurality of guide members 14 extending lengthwise of the table, the guide members extending outwardly from said supports toward the ends of the table, as shown in Figs. 1 and 2, and is provided with dove-tail tongues 15.

16, 16 represent the sections of the permanent table top, said sections being here shown as of semi-circular form, so that when their inner edges are brought together, they collectively form a circular top, the sections being separable from each other to extend the table and permit the interposition of intermediate leaves, as usual in tables of this character. Each top section 16 is provided on its under side with rigidly attached slides 17 which are provided with dove-tail grooves 18 slidably engaged with the tongues of the guides 14. The guides 14 and guides 17 constitute telescopic supports or slides for slidably connecting the top sections with the

pedestal. The top sections 16 are adapted to be separated to a limited extent to permit the interposition of a relatively small number of intermediate leaves between them without separation of the pedestal sections, as indicated in Fig. 1, the separation of the top sections while the pedestal sections remain engaged with each other, being limited by stop bolts 19 on the guides 14, which engage complementary stop shoulders on the slides 17 affixed to the top sections. Provision is thus made for a minimum extension of the table, the arrangement being preferably such that when the top sections are separated to the maximum extent permitted while the pedestal sections are locked together, space is afforded sufficient to permit the insertion of two intermediate leaves between the top sections. When the top sections are thus separated by what I have termed a "minimum extension" of the table, the inserted extension or intermediate leaves are supported by the slide members 14.

Telescopic supports are provided for the intermediate leaves for supporting them when the pedestal sections are separated, each support as here shown, including end members 20 attached to the top sections 16 and projecting inwardly therefrom, and an intermediate member 21 slidably engaged with the members 20, the said members having complementary tongues and grooves which permit the extension and contraction of the leaf supports afforded by said members, and one set of the members 20 being also provided with stop bolts 22 adapted to engage reciprocal stop shoulders 22' on the end portions of the intermediate members 21, to limit the maximum extension of the table, shown in Fig. 2.

Two independent locking mechanisms are provided, one for detachably locking the pedestal sections together and the other for detachably locking the top sections together. These mechanisms may be of any suitable construction. The specific locking devices here shown are set forth and claimed in another application filed concurrently herewith by Edgar L. Marston, and the same are not therefore specifically claimed by me.

The pedestal locking mechanism here shown includes a rock-shaft 23 journaled in a bearing 24 affixed to one of the pedestal sections 12, a disk 25 affixed to said rock-shaft and having a stud 26 which is eccentric to the shaft 23, a hook 27 pivoted to swing on the stud 26, and a loop or eye 28 affixed to the opposite pedestal section in position to engage the hook 27 when the rock-shaft is turned to the position shown in Figs. 3 and 5. When the rock-shaft is given a half rotation from said position in the direction indicated by the arrow in Fig. 5, the hook is first moved backwardly from its bearing on the loop 28, and is then swung laterally out

of the loop. When the rock-shaft is turned in the opposite direction back to the position shown in Fig. 5, the hook is first swung into the loop, and is then moved endwise in the direction required to engage it with the loop and exert a pull on the latter, said pull drawing the pedestal sections together, and holding them in close contact with each other. The rock-shaft 23 extends through the upper end of the pedestal, and is provided with a hand wheel 29, by which it may be rotated, access to the hand wheel being provided by separating the top sections 16.

The mechanism here shown for detachably locking the top sections together includes a loop or eye 30 attached to the under side of one of the top sections 16, a bell-crank lever 31 having a slot 32 through which passes a fulcrum stud 33 attached to the opposite top section 16, the lever 31 being adapted both to swing and to move endwise on the fulcrum stud, and provided with a hook 34 adapted to engage the loop 30, an operating lever 35 fulcrumed at 36 to an ear affixed to the under side of the top section 16 which supports the lever 31, and a connecting rod 37 engaged at 38 with one arm of the lever 31, and having at its opposite end a clip 39 which is pivoted at 40 to the lever 35, the arrangement being such that when the lever 35 is in the position shown in Figs. 3 and 6, the hook 34 of the lever is within the loop 30, and presses against one end of the said loop with sufficient force to draw and hold the meeting edges of the top sections 16 closely together. When the lever 35 is swung downwardly from the position shown in Fig. 3, the bell-crank lever 31 is first moved endwise to remove the hook 34 from its bearing on the loop 30, and is then swung laterally, withdrawing the hook from the loop. The change of position of the lever 35 to the position shown in Fig. 3 causes the hook 34 to first swing into the loop, and then to move endwise and exert sufficient pressure on the loop to force the top sections 16 firmly together.

It will be seen from the foregoing that provision is made for partly extending the table top without separating the pedestal sections, and for giving the table top a maximum extension by the separation of the pedestal sections.

Each of the stop bolts 19 and 22 is yieldingly held in its operative position by a spring 42, and is provided with a shank or handle 43 whereby it may be manually retracted from engagement with the corresponding shoulder to permit the separation of the slides 17 from the guide members 14 and of the end members 20 of the telescopic supports from the intermediate members 21. Provision is thus made for entirely separating the slides 17 from the guide members 14 and the end members 20 from the inter-

mediate members 21, so that the top sections 16 may be readily separated from the pedestal sections to prepare the table for shipment, without detaching the guide members 14 from the pedestal sections and the end members 20 from the top sections. The outer ends of the bolts are beveled and the slides 17 and intermediate member 21 are provided with beveled faces arranged to retract the bolts when the pedestal sections and top sections are moved toward each other to contract the table. The said beveled faces and stop shoulders, against which the bolts abut, form recesses into which the bolts are projected by their springs when the pedestal sections and the top sections reach their maximum extension. A further extension to disconnect the pedestal sections from each other and the top sections from each other and from the pedestal sections, is permitted by retracting the bolts 19 and 22.

It will be seen that two sets of telescopic supports are provided, the supports of one set being composed of the guide members 14 and slides 17, and supporting the permanent sections of the table top, while the supports of the other set are composed of the end members 20 and intermediate members 21, and support the removable leaves when the pedestal sections and their attached slide members 14 are respectively separated. It will also be seen that each support has complementary stops which normally limit the extension of the support, and are separable to permit the entire separation of its members by a continuation of the extension of the support. A top support of this character is believed to be broadly new in an extension table, and it is therefore my intention to be understood as claiming broadly a support or a set of supports thus characterized, whether employed for supporting the permanent top sections, or the removable leaves, or both the permanent sections and leaves. I also believe myself to be the first to provide one of the members of the support with a fixed stop shoulder and a beveled face adjacent thereto, and another member with a spring-pressed bolt adapted to be retracted by said face when the support is contracted, and to be manually retracted to permit the separation of the members.

By providing the knock-down construction herein described, I produce a pedestal extension dining table in which it is possible to remove the sections comprising one top and to substitute therefor another top of different diameter or design, this being accomplished without the removal of such permanent fastenings as screws or the like. While I have described the manually-operable devices which normally limit the separating movement of the top sections as being of the nature of spring-pressed bolts, nevertheless I do not desire to limit myself thereto as

their equivalents may be substituted therefor. Moreover various other changes of similar character may be made without departing from the spirit and scope of the invention.

I do not herein specifically claim the knock-down extension dining table illustrated, described and claimed in my application, Serial No. 540,992, filed January 31, 1910.

I claim:

1. A knock down pedestal extension table comprising separable pedestal sections, independent relatively movable top sections, slides connecting each top section with its corresponding pedestal section, said slides being constructed to permit said top sections to move relatively to each other and to said pedestal sections, and means for limiting the relative movement of said top sections, said limiting means being manually operable to permit the disconnection of said top sections from said pedestal sections.

2. A knock down pedestal extension table comprising separate relatively movable pedestal sections, separate relatively movable top sections, leaf supporting slides connecting the top sections, slides independent of the leaf supporting slides and connecting each top section to its corresponding pedestal section, whereby the top sections are movable with reference to each other and to their respective pedestal sections, and manually operable spring-pressed stop bolts on said last-mentioned slides which normally limit the movement of said top sections with reference to the pedestal sections said stops being withdrawable to permit the disconnection and removal of the pedestal sections from the top sections.

3. A knock down pedestal extension table comprising separate relatively movable pedestal sections, separate relatively movable top sections, leaf supporting slides connecting the top sections, slides independent of the leaf supporting slides and connecting each top section to its corresponding pedestal section, whereby the top sections are movable with reference to each other and to their respective pedestal sections, and manually operable stops on said leaf supporting slides and said top connecting slides and located normally to limit the separating movement of said top sections, said stop bolts being manually withdrawable, whereby said top sections may be disconnected from said pedestal sections and from each other.

4. A knock down pedestal extension table comprising separate relatively movable pedestal sections, separate relatively movable top sections, leaf supporting slides connecting the top sections, and slides independent of the leaf supporting slides and connecting each top section to its corresponding pedestal section, whereby the top sections are mov-

able with reference to each other and to their respective pedestal sections.

5. A knock-down pedestal extension table comprising a pedestal, independent top sections movable toward and from each other and movable relatively to the pedestal, slides carried by said pedestal, slides secured rigidly to said top sections and telescoping with those of the pedestal, said slides being constructed to permit said top sections to be separated and to be moved relatively to said pedestal to allow the insertion of one or more extension leaves, and spring pressed stop bolts for limiting the separating movement of said slides, said stop bolts being manually withdrawable to permit a continued movement of said top sections in opposite directions so as to separate them from the pedestal.
6. A knock-down pedestal extension dining table, comprising a column-like pedestal, independent top sections movable relatively to the pedestal and movable toward and from each other to extend or contract the table top, telescopic slides connecting said top sections with the pedestal, said slides being constructed to permit said top sections to be separated and to be moved freely relatively to said pedestal to permit the insertion of one or more extension leaves, movable stops for limiting the separating movement of said top sections, said movable stops being carried by some of said slides to engage coacting stops on the other slides, and being normally in stopping position and being manually withdrawable to permit said sections to be separately removed and disconnected from the pedestal.
7. A knock-down pedestal extension table comprising a pedestal, independent top sections movable toward and from each other and movable relatively to the pedestal to extend or contract the table top, telescopic slides connecting said top sections with the pedestal and comprising slides permanently attached to the pedestal and coacting slides permanently attached to the table top whereby said top sections may be moved freely relatively to said pedestal to permit the insertion of one or more extension leaves,

stops mounted in some of said slides and normally positioned to engage coacting stops on the other of said slides and limit the separating movement of said top sections, said first-mentioned stops being manually withdrawable to permit the disconnection of the top sections from the pedestal.

8. A knock-down pedestal extension dining table, comprising a column-like pedestal, independent top sections movable relatively to the pedestal and movable toward and from each other to extend or contract the table top, telescopic slides connecting said top sections with the pedestal, said slides being constructed to permit said top sections to be moved freely toward and from each other and relatively to the pedestal to permit the insertion and removal of one or more intermediate leaves, movable stops for limiting the movement of the top sections relatively to the pedestal, said stops being manually withdrawable to permit the total disconnection of said top sections from said pedestal.

9. A knock-down pedestal extension dining table, comprising a columnar pedestal, transverse supporting members attached to the top of the pedestal, two independent top sections freely movable toward and from each other and movable relatively to said pedestal, telescopic slides connecting the top sections to said transverse supports respectively, and comprising slide members rigidly attached to the top sections and slide members rigidly attached to said supports, to permit said movement of said top sections, a stop which limits the relative movement of each top section in one direction and which is normally in position to prevent the disconnection of said top section from said pedestal, said stops being manually movable into inactive position to permit the total disconnection of the said top sections from the pedestal.

In testimony whereof I have affixed my signature, in presence of two witnesses.

CHARLES J. BROWN.

Witnesses:

CHARLES F. BROWN,
JAS. H. CHURCHILL.