B. C. VINCENT.

EXTENSION TABLE.

APPLICATION FILED OCT. 17, 1907.

903,638. Patented Nov. 10, 1908.

2 SHEETS—SHEET 1.

Fig. 1.

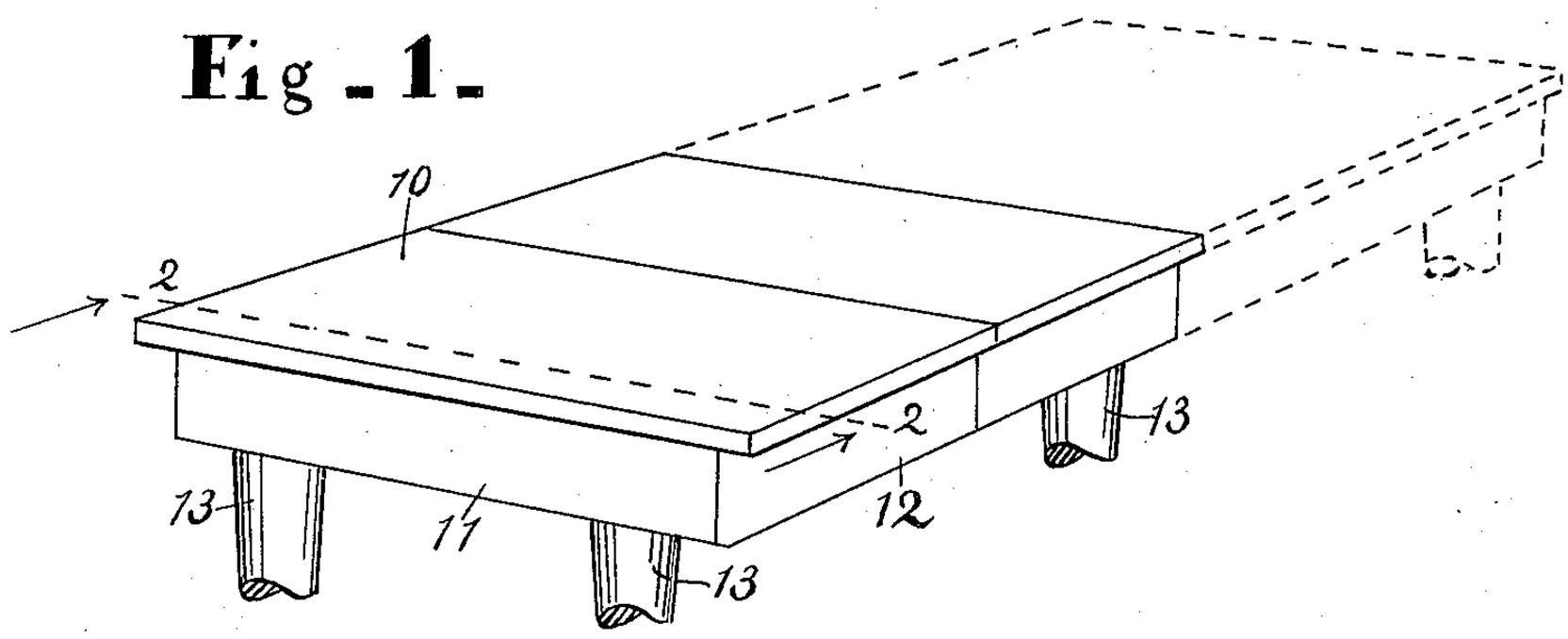


Fig. 2.

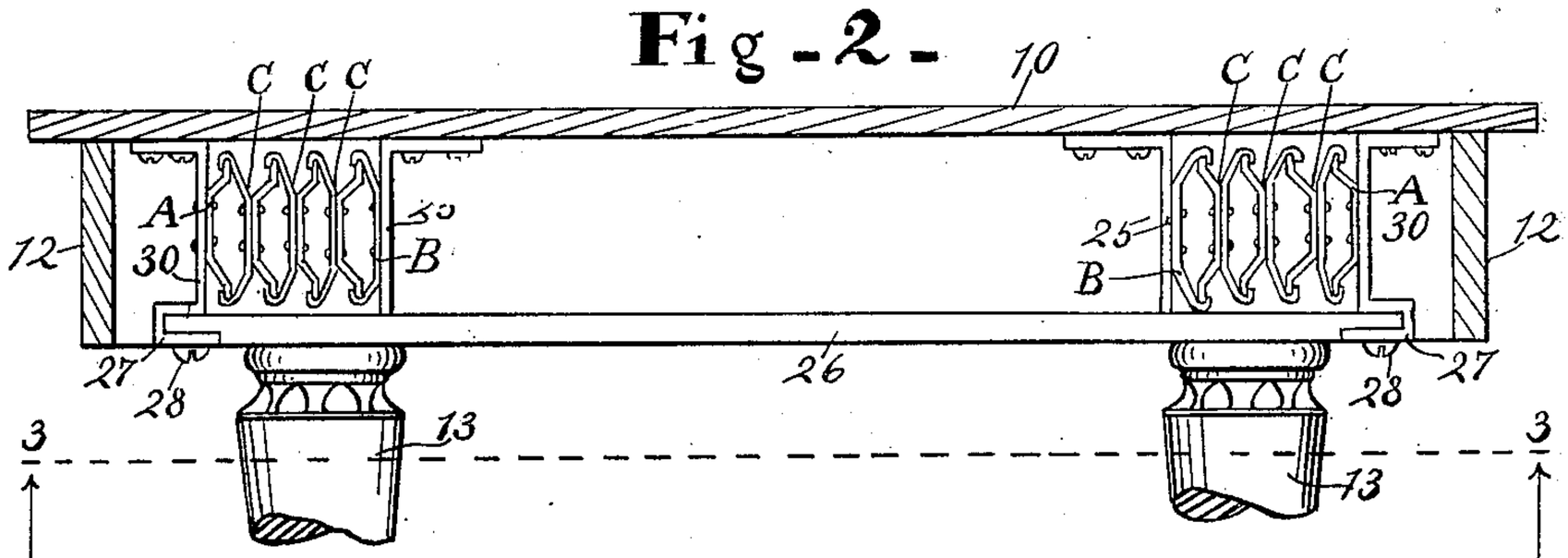
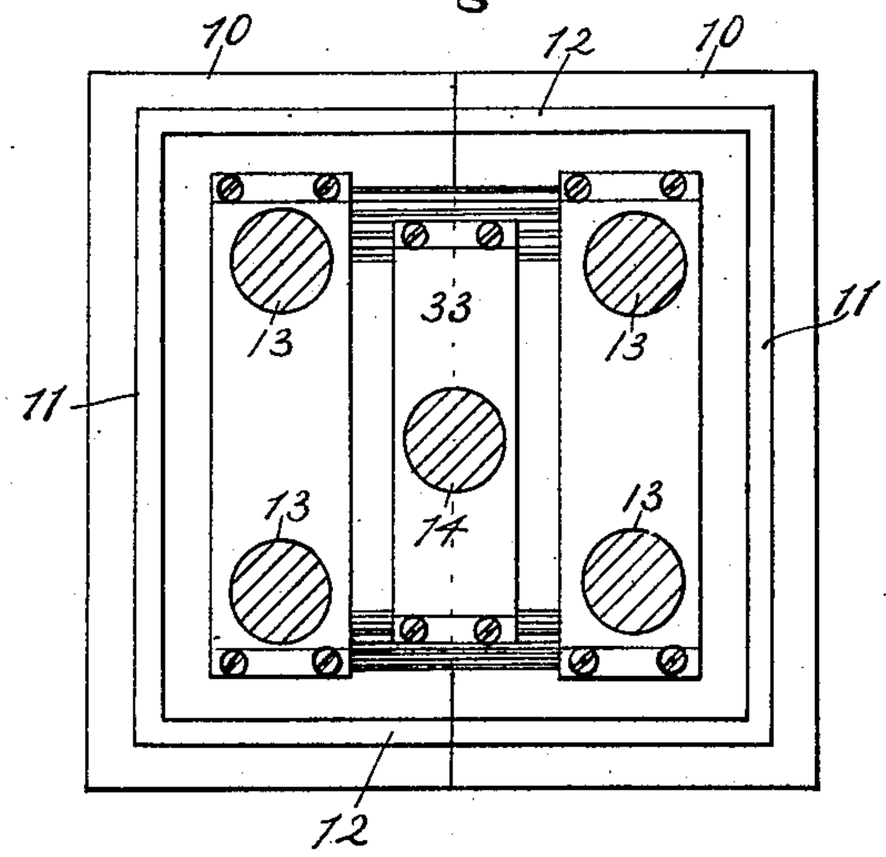


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

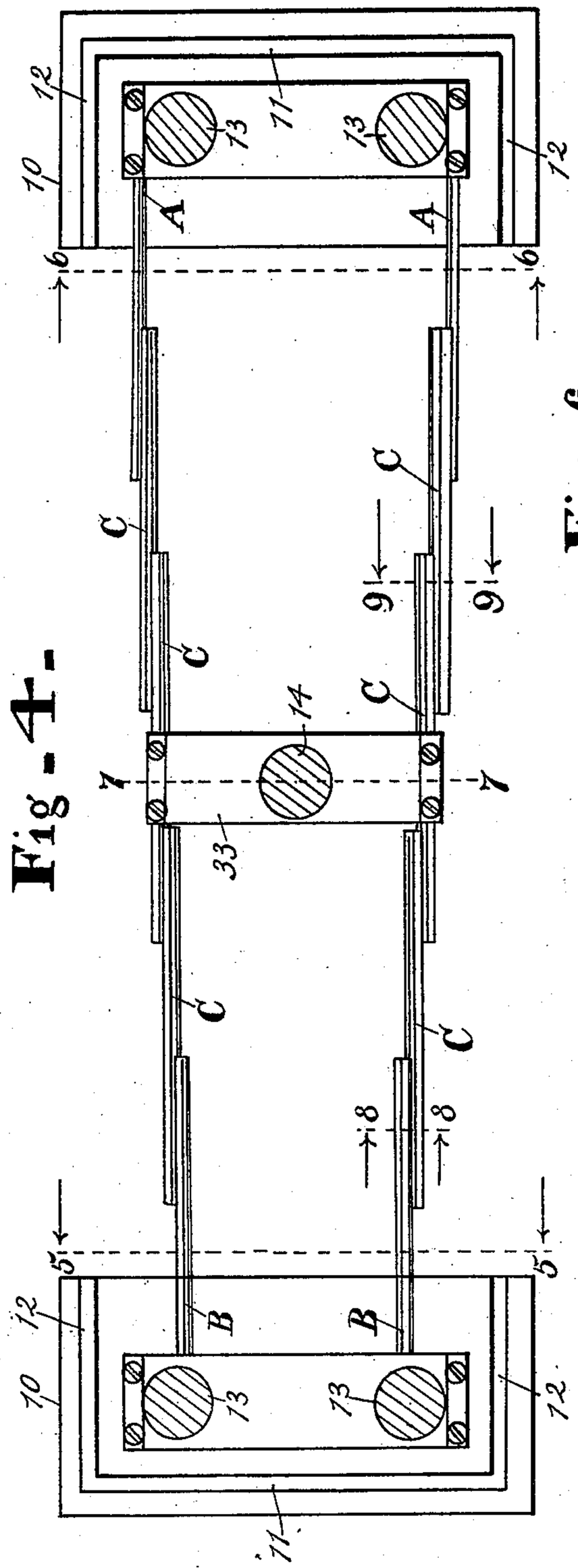

Fig. 6.

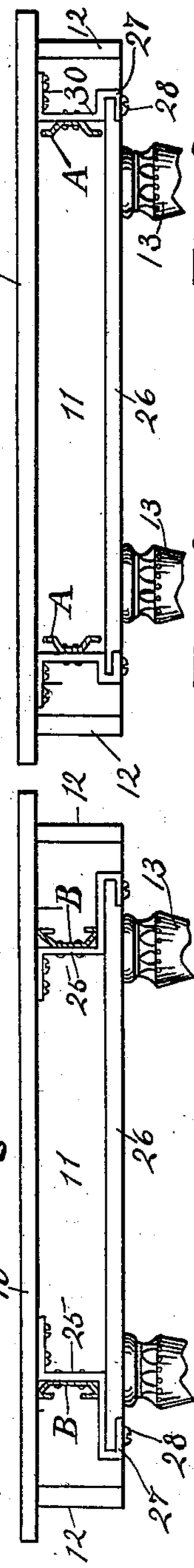

Fig. 9.

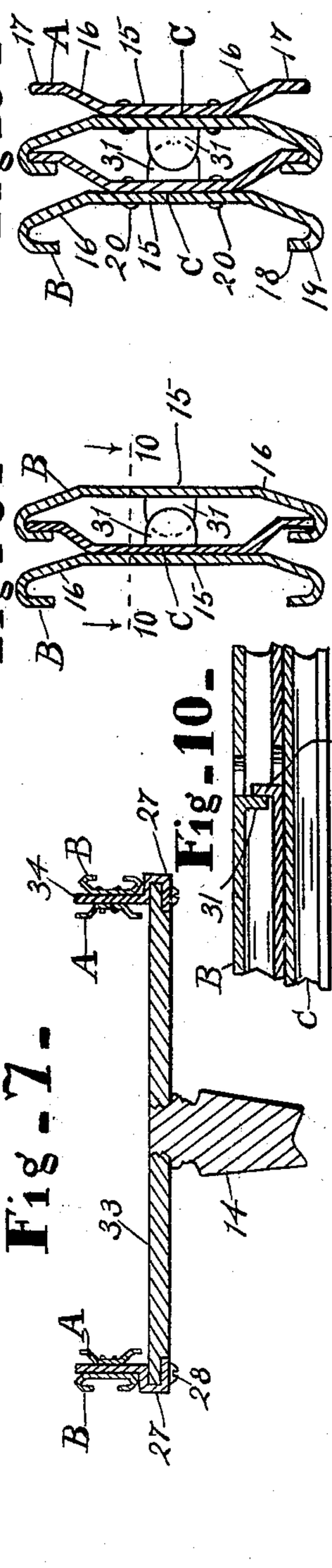

Fig. 8.

Fig. 10.

Fig. 5.

Fig. 7.

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UNITED STATES PATENT OFFICE.

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EXTENSION-TABLE.

No. 903,638. Specification of Letters Patent. Patented Nov. 10, 1908.

Application filed October 17, 1907. Serial No. 397,775.

To all whom it may concern:

Be it known that I, BENJAMIN C. VINCENT, of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Extension-Table; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

The object of this invention is to improve the construction of extension tables, and especially with reference to the slides thereof. Heretofore difficulty has always been experienced with them because of the warping of the material or splitting thereof and the cost of wood is becoming so great that wooden slides are very expensive.

The chief feature of my invention consists in the practical construction of metal slides, the slides being made of sheet metal, that are pressed or stamped into shape and the parts secured together. In fact, each complete slide is formed of two metal strips or plates fastened together side by side with the edges of one of said plates turned to form grooves and the edges of the other plate left plain to slide in grooves of adjacent slides. This makes a very simple and cheap metallic construction, as cheap as the wooden slides and for some reasons of much better service. There are only two forms of slide sections for making any number of slides, the slides being alike.

Another feature of my invention consists in the matter of attaching the legs of the table by securing them to a plate or board that is fastened to the slide construction at each end and the slide construction in turn is secured to the top of the table. This strengthens the leg construction as the combination of parts coöperate to give great strength. The middle legs are secured to a similar plate with its ends fastened between the members of the metallic slides in a very convenient, cheap and effective manner.

The full nature of my invention will be understood from the accompanying drawings and the following description and claims:

In the drawings Figure 1 is a perspective view of an extension table collapsed, the extension thereof being indicated by dotted lines and the legs thereof being partly broken away. Fig. 2 is a vertical section on the line 2—2 of Fig. 1. Fig. 3 is a bottom view of the table collapsed, the legs being shown in section on the line 3—3 of Fig. 2. Fig. 4 is the same view with the table extended. Fig. 5 is a section on the line 5—5 of Fig. 4. Fig. 6 is a section on the line 6—6 of Fig. 4. Fig. 7 is a section on the line 7—7 of Fig. 4. Fig. 8 is a section on the line 8—8 of Fig. 4. Fig. 9 is a section on the line 9—9 of Fig. 4, showing two slides together. Fig. 10 is a horizontal section on the line 10—10 of Fig. 8, parts being broken away and showing the stops on the slides.

The stationary top board 10, end board 11, side board 12, end legs 13 and middle leg 14 may be of the usual type of construction in extension tables.

The slides are made up of metal strips pressed or formed into shapes A and B. These strips are made of sheet metal and their length is substantially the same as ordinary wooden slides, their width being about three inches, each metal strip or slide member having a central vertical, flat portion 15 about one and one-half inches wide and extending the full length of the strip and a laterally inclined portion 16 on each side of said central portion 15. In the strips A there is at the upper edge and lower edge marginal, straight vertical portions 17, while on the members B of the slides the marginal edges are turned over to form flanges 18 which project towards each other and provide slide ways 19 adapted to receive the marginal portions 17 of the strips A. Hence, the strips A slide in the strips B. There are also two classes of these slides, the stationary slides and the slidable compound slides C. All of the slidable slides are formed by securing together back to back one of the slide members A and one of the slide members B by rivets 20 or otherwise.

The manner of mounting the slides will now be explained. By reference to Fig. 5 it is observed that brackets 25 are secured to the top 10 at one end of the table, said brackets extending down from said top upon the board or plate 26 and then extending laterally and forming a socket 27 that overlaps the end of said plate 26 and is secured thereto by screws 28 on the under side. The end legs 13 are secured to said board 26. To the vertical portion of each of said brackets 25 a slide member B is rigidly secured. With said slide members B, as shown in

Figs. 4 and 5, a compound slide C engages, the member A of said compound slide fitting in the stationary part B that is secured to the bracket 25. There is thus a series of compound slides, the number being determined by the length of the table, and the last one of the series is in slidable connection with the slide members A that are secured to the brackets 30 fastened to the under side of the table top 10 at the other end of the table, see Fig. 6. The brackets 30 have inturned lower edges to form the sockets 27 and are secured to another plate or board 26 to which the legs 13 are fastened. The movements of the compound slides C are limited by stops 31 punched through or otherwise secured to the inner surface thereof, as shown in Figs. 8, 9 and 10, in position to engage each other when said compound slides have reached their desired limit of movement.

The middle leg 14 is fastened to the board or plate 33 somewhat similarly to the board or plate 26 and at each end said plate 33 is secured to the inturned lower ends 27 of plates 34 that extend vertically between the two members A and B that together form a compound slide, see Fig. 7. This is a very easy and convenient way of securing the middle leg in place as the plates 34 are out of sight and rigidly secured between the two slide members so as to give great strength. It is observed that these slide members A and B and the compound slide C are very simple in construction, being made of two types or forms of metal plates and that they are readily and cheaply bent so as to give them great rigidity and they readily slide in connection with each other, their engaging surfaces being smooth. Furthermore, they do not warp or get out of shape by reason of either moisture or heat. The slide members connected with the brackets 25, 30 and 34 also render more secure the leg connections of the table as they tend to maintain said brackets in a secure, upright position.

What I claim as my invention and desire to secure by Letters Patent is:

1. Slides for extension tables consisting of two types of metal plates, one type of said plates having turned edges to form guideways and the other type of said plates having straight edges to fit and move in said guide ways, both of said types of metal plates having their edges bent laterally out of the plane of the central portions thereof and means for securing the backs of said plates together, substantially as set forth.

2. Slides for extension tables consisting of metal plates secured together parallel with each other, one of said plates having turned edges to form guideways and the other plate having straight edges to fit and move in such guideways, both plates having their edges inclined laterally away from each other.

3. An extension table having two end portions and two series of intermediate slides, said slides consisting of two types of metal plates, one type of said plates having turned edges to form guideways and the other type of said plates having straight edges to fit and move in said guideways, one type of said slides being rigidly secured to one end of the table and the other type to the other end of the table, and compound intermediate slides, each formed of both types of plates secured together, substantially as set forth.

4. An extension table including intermediate slides, one on each side of the table and formed of two plates secured together, a transversely extending leg-holding board, and connecting means rigidly secured to each end of said board and between the plates forming the intermediate slide at each side of the table.

In witness whereof, I have hereunto affixed my signature in the presence of the witnesses herein named.

BENJAMIN C. VINCENT.

Witnesses:

N. ALLEMONG,

OLIVE BREEDEN.