

Fig. 1

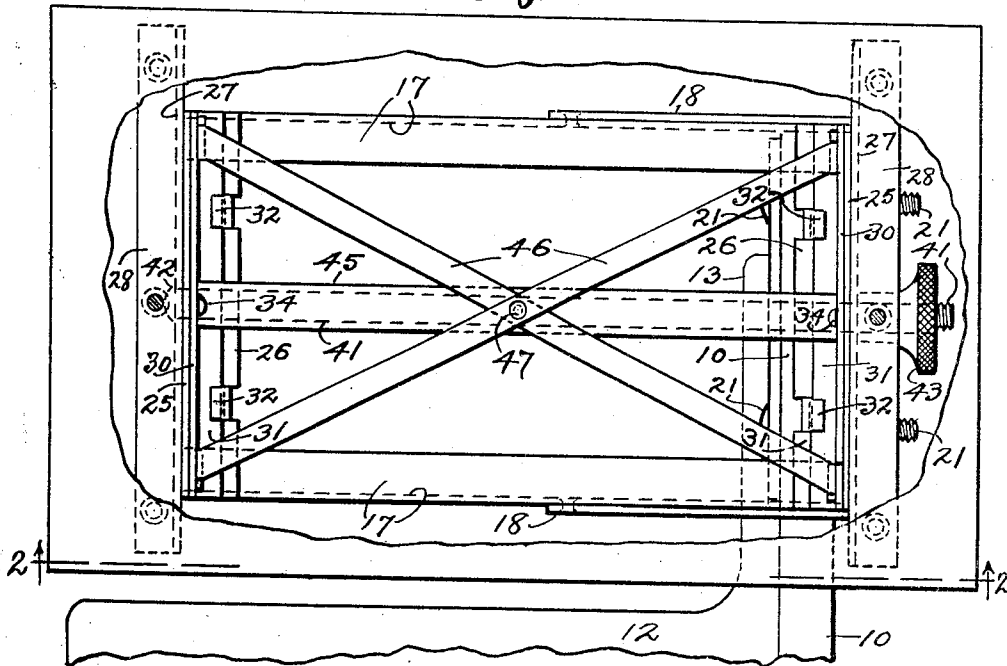
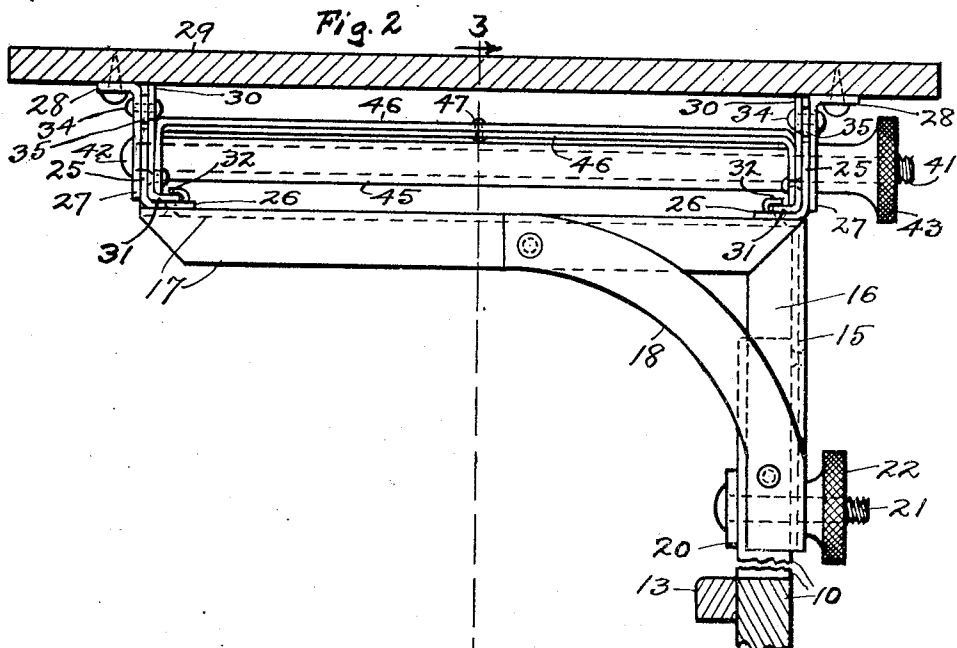


Fig. 2



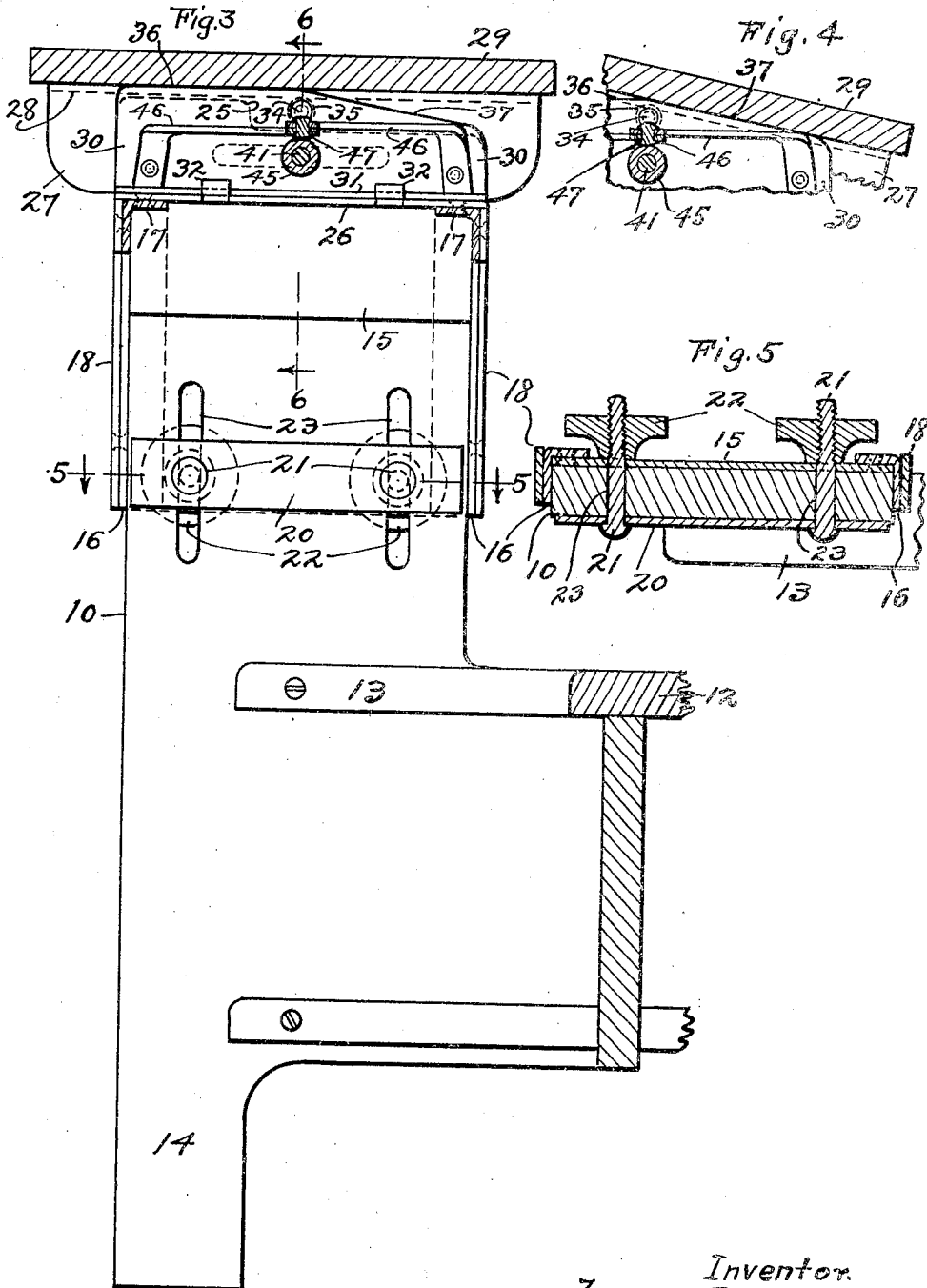
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F. S. BASKIN.
TABLE ATTACHMENT FOR SEATS.
APPLICATION FILED DEC. 22, 1919.

1,348,924.

Patented Aug. 10, 1920.
3 SHEETS—SHEET 2.



Inventor
Frank S. Baskin

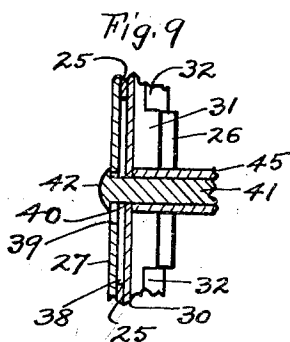
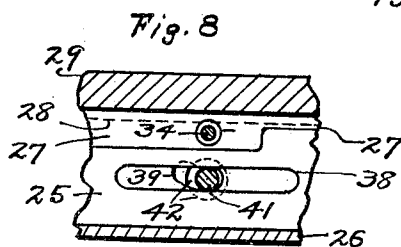
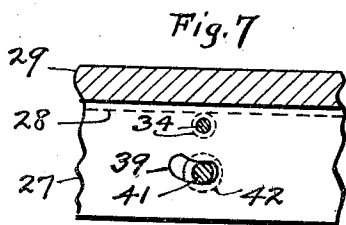
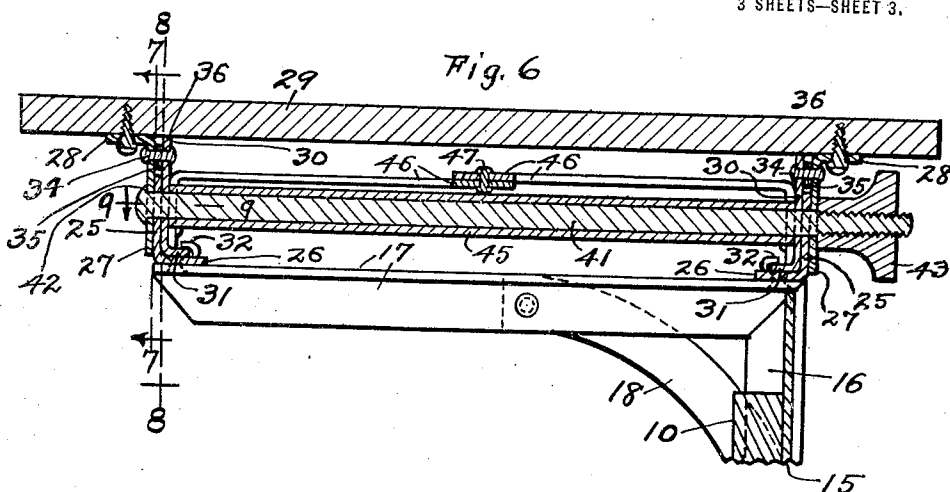
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UNITED STATES PATENT OFFICE.

FRANK S. BASKIN, OF CLEVELAND HEIGHTS, OHIO.

TABLE ATTACHMENT FOR SEATS.

1,348,924.

Specification of Letters Patent.

Patented Aug. 10, 1920.

Application filed December 22, 1919. Serial No. 346,667.

To all whom it may concern:

Be it known that I, FRANK S. BASKIN, a citizen of the United States, and residing at Cleveland Heights, in the county of Cuyahoga and State of Ohio, have invented a new and useful Table Attachment for Seats, of which the following is a specification.

This invention relates to improvements in table-attachments for seats, and pertains more especially to a table-attachment the table of which is adjustable forwardly and rearwardly and up and down and can be positioned horizontally or at an angle to a horizontal plane.

One object of this invention is to produce a table-attachment of the character indicated which is attractive and simple and durable in construction and avoids interference with the requisite knee-room of the occupant of the seat.

Another object is to facilitate the assembly of the component parts of said table-attachment and the manipulations required for a readjustment of the table, and to provide improved means for securing the table in the desired adjustment.

With these objects in view, and to attain any other object hereinafter appearing, this invention consists in certain features of construction, and combinations and relative arrangements of parts, hereinafter described in this specification, pointed out in the claims, and illustrated in the accompanying drawings.

In said drawings, Figure 1 is a top plan of a table-attachment embodying my invention. Fig. 2 is a vertical section taken along the line 2—2, Fig. 1, looking forwardly. Fig. 3 is a vertical section taken along the line 3—3, Fig. 2, looking in the direction indicated by the arrow. Fig. 4 shows a portion of Fig. 3, except that in Fig. 4 the table is inclined whereas in Fig. 3 the table is in a horizontal position. Fig. 5 is a horizontal section taken along the line 5—5, Fig. 3, looking downwardly. Fig. 6 is a vertical section taken along the line 6—6, Fig. 3, looking forwardly. Figs. 7 and 8 are vertical sections taken along the line 7—7 and line 8—8, respectively, Fig. 6, looking forwardly. Fig. 9 is a horizontal section taken along the line 9—9, Fig. 6, looking downwardly. Portions are broken away in the drawings to reduce their size and to more clearly show the construction.

Referring to said drawings, 10 (see Figs. 1, 2 and 3) indicates a substantially vertical standard which is preferably of wood and rendered rigid in any approved manner with the framework of a seat and arranged at the forward end and right-hand side of the seat-proper 12 which is preferably of wood, and said seat-proper has a forward extension 13 to which the standard is secured. The lower portion 14 of said standard is shown in Fig. 3 as forming a forward leg of said seat. Said standard has its upper portion, which is arranged above the seat-proper 12, forming a substantially vertically arranged guideway engaged by a correspondingly arranged metal bracket which is constructed in any approved manner and (see Figs. 3 and 5) has its body formed by a vertical metal plate 15 which is arranged opposite and next the outer side of said standard. Preferably the guideway-forming upper portion of said standard has its front and rear edges vertical and parallel, and the bracket-body 15 has flanges 16 overlapping said edges. The bracket-body 15 extends above the standard 10 and is provided at its upper end with two forwardly and rearwardly spaced substantially parallel arms 17 which (see Figs. 1, 2 and 3) extend over said standard and laterally of and inwardly from said body and are arranged in one and the same horizontal plane. Each arm 17 is shown tied at a point central between its ends to the adjacent flange 16 by a diagonally arranged bar 18 secured in any approved manner to said flange and to said arm. The hereinbefore mentioned bracket is adjustable vertically, and means employed for securing said bracket in the desired vertical adjustment comprise a clamping plate 20, two bolts 21 and nuts 22. (See Figs. 3 and 5.) The bar 20 is arranged at and transversely of the inner side of the standard 10. The bolts 21 have their heads overlapping the inwardly facing side of the bar 20 and have their shanks extending loosely through said bar and through vertical slots 23 in the standard 10 and loosely through the bracket-body 15, and the nuts 22 are threaded onto said shanks at the outer side of said bar. Obviously manipulation of said nuts to loosen them in relation to the standard 10 renders the bracket free to be readjusted vertically, and said bracket is secured in the desired vertical adjustment by manipu-

lating said nuts as required to cause the bracket-body 15 to be clamped to the outer side of the standard.

Two forwardly and rearwardly extending laterally opposite parallel guide-bars (see Figs. 1, 2, 3 and 6) are arranged over opposite ends respectively of and mounted on the bracket-arms 17, and preferably each of said guide-bars consists of an angle-bar which has one wing or member 25 thereof projecting vertically upwardly. Said guide-bars have their other wings or members 26 horizontal and projecting toward each other and resting on the bracket-arms 17 and secured to and rendered rigid with said arms in any approved manner. Two outer bars are arranged at the outer side and extend endwise of opposite guide-bars respectively, and preferably each of said outer bars consists of an angle-bar which has one wing or member 27 thereof projecting vertically downwardly and arranged opposite and next the outer side of the adjacent guide-bar and has its other wing 28 projecting laterally and outwardly. Mounted on the laterally and outwardly projecting members 28 of said outer bars is the table 29 of my improved table-attachment. Said table is secured to said laterally projecting members of said outer bars in any approved manner, and said outer bars are operatively connected, as will hereinafter appear, with two slide-bars which extend and are slidable endwise of and supported from opposite guide-bars respectively, and preferably consist respectively of an angle-bar which has one wing or member 30 thereof arranged opposite and projecting vertically upwardly at the inner side of the vertical member 25 of the adjacent guide-bar and has its other wing or member 31 horizontal and resting on the horizontal member 26 of said adjacent guide-bar. Preferably the horizontal member 26 of each guide-bar has two projecting members 32 which are spaced longitudinally of said guide-bar and extend over and into close proximity to the upper side of the horizontal member 31 of the adjacent slide-bar and are therefore arranged to prevent upward displacement of said slide-bar. A pivotal pin 34 (see Fig. 6) extends from within the upper portion of the vertical member 30 of each slide-bar into the upper portion of the vertical member 27 of the adjacent outer bar and pivots said outer bar to said slide-bar. The pins 34 thus pivotally connecting the outer bars to the slide-bars (see Figs. 2, 3 and 6) are arranged horizontally and at a right angle to and preferably centrally between the ends of said bars and in line endwise. Each pin 34 is embraced by a collar 35 (see Figs. 6 and 8) which is interposed between the vertical members 27 and 30 of the bars connected together by said pin, and said collar braces

apart the pin-surrounding portions of said bars as desired. The vertical member 25 of each guide-bar has such contour or dimensions that it extends under the collar 35 on the pin 34 forming the pivotal connection between the adjacent outer bar and the adjacent slide-bar. The forward portion and rearward portion of each slide-bar (see Figs. 3 and 4) have respectively a horizontal top edge 36 and an inclined top edge 37 which extends upwardly toward said horizontal edge, and the relative arrangement of the parts is such that the outer bars and the connected table are arranged to be moved, when free to move, from the horizontal position shown in Fig. 3 into the inclined position shown in Fig. 4, or vice versa, and that the table rests on the horizontal top edges 36 or on the inclined top edges 37 of the slide-bars according as the table is in the horizontal position shown in Fig. 3 or in the inclined position shown in Fig. 4. The outer and pivoted bars are arranged wholly externally of the vertical plane in which the hereinbefore mentioned bracket is arranged and adapted to be moved for readjustment vertically, so that said bracket offers no obstruction to the vertical members of said bars during the actuation of the table from the horizontal position shown in Fig. 3 into the inclined position shown in Fig. 4.

Simple and efficient means whereby the slide-bar at one side of a guide-bar and the outer and pivoted bar at the opposite side of said guide-bar may be clamped to said guide-bar are provided. As shown in Figs. 8 and 9 the vertical member 25 of each guide-bar has a lateral slot 38 extending horizontally and longitudinally of the bar, and the vertical member 27 of the adjacent and outer pivoted bar has a curved slot 39 registering with the aforesaid slot in said guide-bar and concentric relatively to the axis of said pivoted bar, and the vertical member 30 of the slide-bar adjacent said guide-bar has a lateral bolt-hole 40 which registers with said slot in said guide-bar. A bolt has its shank 41 extending between the slide-bars and through the bolt-holes 40 in said bars and through the slots 38 in the guide-bars and through the slots 39 in the outer and pivoted bars, and said bolt has its head 42 overlapping the outer side of one of said pivoted or outer bars, and a nut 43 is threaded onto the shank 41 at the outer side of the other of said outer bars. The bolt-shank 41 is embraced by a clamping tube 45 which has its ends forming lateral abutments for and is consequently interposed between the inner sides of the vertical members 30 of the slide-bars. Obviously a manipulation of the nut 43 as required to tighten it against the outer side of the vertical member 27 of the adjacent outer and pivoted bar not only results in the

clamping of said member of said pivoted bar and the vertical members of the adjacent guide-bar and slide-bar by and between said nut and the adjacent end of the clamping tube 45, but in the clamping of the vertical member of the slide-bar at the other end of said tube and the vertical members of the guide-bar and pivoted bar adjacent the last-mentioned slide-bar by and between the last-mentioned end of said tube and the bolt-head 42. Manipulation of the nut 43 as required to loosen it in relation to the vertical member 27 of the adjacent pivoted bar renders the table free to be readjusted.

15 The slots 38 in the guide-bars permit forward and rearward adjustment of the table, and the slots 39 in the vertical members 27 of the pivoted bars extend, in the horizontal position of the table, far enough rearwardly of the bolt-shank 41 to permit movement of the table from the horizontal position shown in Fig. 3 into the inclined position shown in Fig. 4. The slide-bars, the pivoted bars, the bolt extending through said bars and the table are all moved together to readjust the table forwardly and rearwardly, and the relative arrangement of those members of my improved table-attachment, which participate in rendering the table adjustable forwardly and rearwardly and from a horizontal position into an inclined position or vice versa, is such that they are assembled with facility and not liable to get out of order or become unduly strained during readjustment of the table. I would here remark however that preferably the slide-bars are reinforced at their ends by tie-bars 46 which are secured to said slide-bars in any approved manner and arranged diagonally of and cross each other in the space between the hereinbefore mentioned clamping tube 45 and the table and are riveted together, as at 47, at their intersection.

What I claim is:—

45 1. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, and a vertically adjustable bracket supported from and extending above the standard and having two spaced laterally extending substantially parallel arms at the upper end of the bracket in one and the same horizontal plane, of two laterally opposite parallel guide-bars arranged over opposite ends respectively of and rigid with said arms, two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively, a table mounted on and secured to said outer bars, two slide-bars arranged at the inner side of and slidable endwise of and supported from opposite guide-bars respectively, the forward portion and rear portion of each slide-bar having respectively a horizontal top edge and an inclined top edge which extends upwardly toward said horizontal edge, the

aforesaid outer bars being pivoted to the slide-bars and having their axes coincident, and the table resting on the horizontal top edges or on the inclined top edges of the slide-bars according as the table is in its horizontal or inclined position.

2. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a vertically adjustable bracket comprising a vertical plate arranged opposite the outer side of and supported from and extending above the standard, and two forwardly and rearwardly extending spaced parallel guide-bars mounted on and rigid with the bracket, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively, a table mounted on and secured to said outer bars, and two slide-bars arranged at the inner side and slidable endwise of and supported from opposite guide-bars respectively, the aforesaid outer bars being pivoted to the slide-bars and having their axes coincident and being arranged to move from a horizontal into an inclined position or vice versa, and means whereby the slide-bar at one side of a guide-bar and the pivoted bar at the opposite side of said guide-bar may be clamped to said guide-bar.

3. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a vertically adjustable bracket supported from and extending above the standard, and two laterally spaced parallel guide-bars each of which consists of an angle-bar which has one wing or member thereof projecting vertically upwardly, said guide-bars being mounted on said bracket and having their other wings or members horizontal and projecting toward each other and rigid with the bracket, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively, a table mounted on and secured to said outer bars, two slide-bars arranged at the inner side and slidable endwise of and resting on the horizontal member of opposite guide-bars respectively, the aforesaid outer bars being pivoted to the slide-bars and having their axes coincident, and means whereby the slide-bar on the horizontal member of a guide-bar and the outer or pivoted bar adjacent said guide-bar may be clamped to the vertical member of said guide-bar.

4. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a bracket supported from and extending above the standard, and two forwardly and rearwardly extending spaced parallel guide-bars each of which consists of an angle-bar which has one wing or member thereof projecting vertically upwardly, said guide-bars being mounted on said bracket and having their other wings or members horizontal and projecting toward

each other and rigid with the bracket, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively, a table secured to said outer bars, two slide-bars arranged at the inner side and slidable endwise of opposite guide-bars respectively and each consisting of an angle-bar which has one wing or member thereof arranged at and projecting vertically upwardly at the inner side of the vertical member of the adjacent guide-bar and has its other wing or member horizontal and resting on the horizontal member of said adjacent guide-bar, the aforesaid outer bars being pivoted to the slide-bars and having their axes coincident, and means for clamping the slide-bars and the pivoted bars to the guide-bars.

5. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a bracket supported from and extending above the standard, and two parallel guide-bars each of which consists of an angle-bar which has one wing or member thereof projecting vertically upwardly, said guide-bars being mounted on said bracket and having their other wings or members horizontal and projecting toward each other and rigid with the bracket, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars, respectively, a table secured to said outer bars, two slide-bars arranged at the inner side and slidable endwise of opposite guide-bars respectively and each consisting of an angle-bar which has one wing or member thereof arranged at and projecting vertically upwardly at the inner side of the vertical member of the adjacent guide-bar and has its other wing or member horizontal and resting on the horizontal member of said adjacent guide-bar, the aforesaid outer bars being pivoted horizontally to the slide-bars and having their axes coincident, and means for clamping the slide-bars and the pivoted bars to the guide-bars, said guide-bars having projecting members which overlap the upper sides of the horizontal members of the slide-bars.

6. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a bracket supported from the standard, and two spaced parallel guide-bars arranged above the standard and supported from the bracket, each guide-bar having a slot extending longitudi-

nally of the bar, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively and having curved slots registering with the slots in the guide-bars, a table secured to said outer bars, two slide-bars arranged at the inner side and slidable endwise of and supported from opposite guide-bars respectively and having lateral bolt-holes registering with the slots in the guide-bars, and a bolt extending through said slots and bolt-holes and having its head at the outer side of one of the outer bars, a nut threaded onto the bolt at the other side of the other of said outer bars, and a clamping tube embracing the bolt and interposed between the slide-bars, said outer bars being pivoted to the slide-bars and having their axes coincident, and the slots in said outer bars being concentric relatively to the bolt.

7. The combination, with a seat, a standard at the forward end and one side of and rigid with the seat, a vertically adjustable bracket supported from the standard, and two parallel guide-bars arranged above the standard and supported from the bracket, each guide-bar having a slot extending longitudinally of the bar, of two outer bars arranged at the outer side and extending endwise of opposite guide-bars respectively and each having curved slots registering with the slots in the guide-bars, a table secured to said outer bars, two slide-bars arranged at the inner side and slidable endwise of and supported from opposite guide-bars respectively and having lateral bolt-holes registering with the slots in the guide-bars, and a horizontal bolt extending through said slots and bolt-holes and having a head at the outer side of one of the outer bars, a nut threaded on the bolt at the outer side of the other of said outer bars, a clamping tube mounted on the bolt and extending between the slide-bars, pins which pivot said outer bars to the slide-bars and are parallel with said bolt, and collars mounted on said pins, each collar bracing apart the adjacent portions of the bars connected together by the pin embraced by said collar.

In testimony whereof I sign the foregoing specification, in the presence of two witnesses.

FRANK S. BASKIN.

Witnesses:

BASIL F. JOHNSON,
MYRTLE GROSS.