

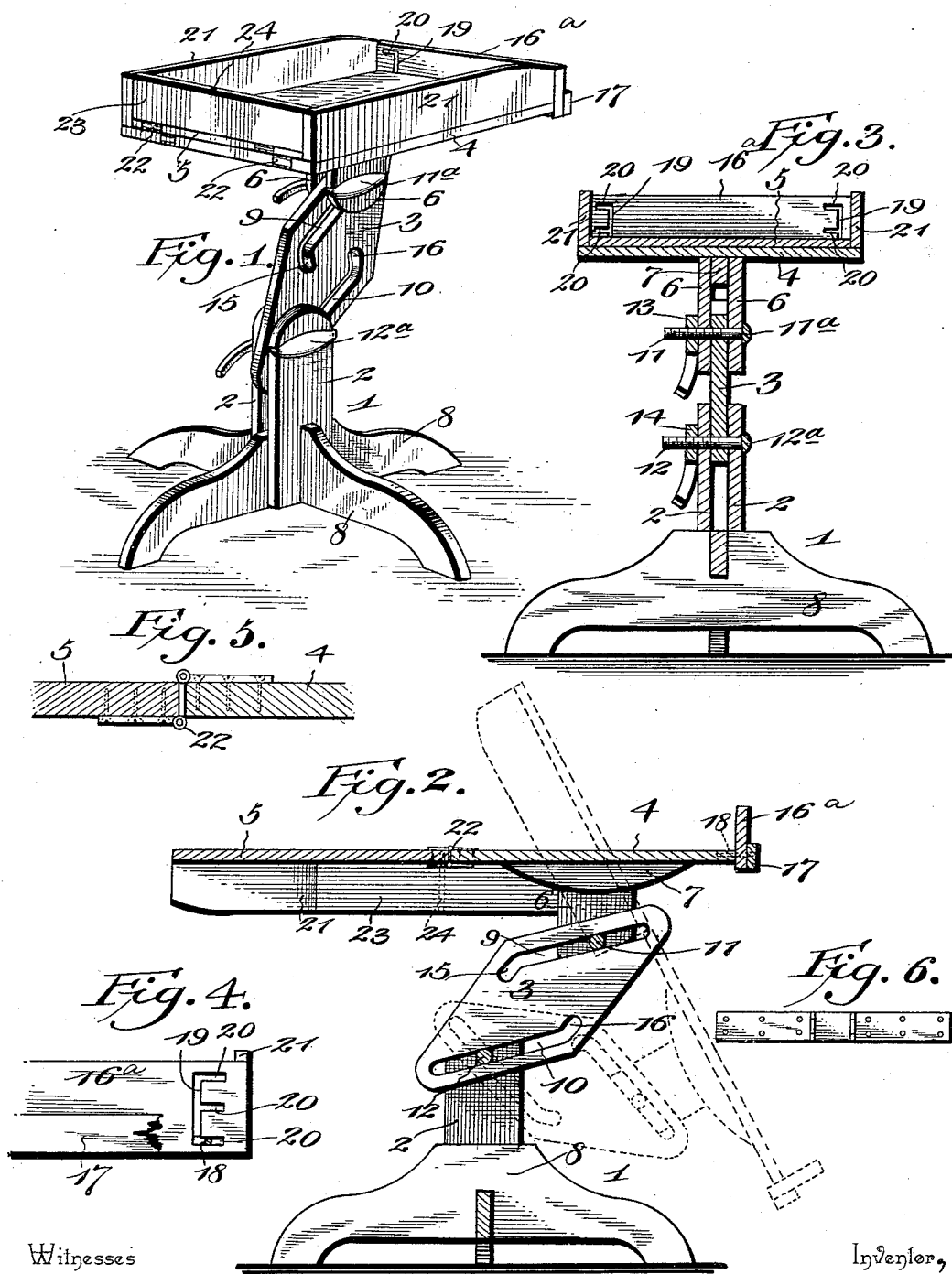
No. 632,804.

Patented Sept. 12, 1899.

P. A. CONGOUR.
ADJUSTABLE TABLE.

(Application filed Nov. 22, 1898.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

PRESLEY ALPHEUS CONGOUR, OF ENLOE, TEXAS, ASSIGNOR OF ONE-HALF
TO THOMAS B. BEAUCHAMP, OF SAME PLACE.

ADJUSTABLE TABLE.

SPECIFICATION forming part of Letters Patent No. 632,804, dated September 12, 1899.

Application filed November 22, 1898. Serial No. 697,161. (No model.)

To all whom it may concern:

Be it known that I, PRESLEY ALPHEUS CONGOUR, a citizen of the United States, residing at Enloe, in the county of Delta and State of Texas, have invented a new and useful Adjustable Table, of which the following is a specification.

The invention relates to improvements in adjustable tables.

10 The object of the present invention is to improve the construction of adjustable tables and to provide a simple, inexpensive, and efficient one adapted to be readily arranged at the desired elevation and capable of being
15 readily adjusted to form an ordinary table, an extension-table, artist's easel, or a desk.

Another object of the invention is to provide a table of this character in which the top may be arranged to form a box or receptacle to retain its contents on it.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed
25 out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of an adjustable table constructed in accordance with this invention, the top of the table being arranged in a horizontal position.
30 Fig. 2 is a vertical sectional view of the same, the parts being arranged to form an extension-table and showing in dotted lines the top arranged to form an artist's easel. Fig. 3 is a vertical sectional view taken at right angles to Fig. 2. Fig. 4 is a detail sectional
35 view illustrating the manner of adjustably mounting the shelf upon the main section or leaf of the table. Fig. 5 is an enlarged detail sectional view illustrating the arrangement of the hinges. Fig. 6 is a plan view of
40 one of the hinges.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

45 1 designates a stand provided with a pair of vertical ears or pieces 2, extending upward and receiving between them an adjustable connecting-plate 3, which is similarly connected with the top of the table. The top of
50 the table, which is composed of a main leaf or section 4 and a hinged leaf or section 5, is

provided with a pair of depending ears or pieces 6, connected with and extending from the lower face of the main leaf or section 4 of the top and receiving the upper end of the
55 connecting-plate 3. The ears or pieces 6, which are spaced apart, are secured to the opposite faces of the cleat 7, which is fastened to and extends longitudinally of the top of the table.

60 The stand 1, which may be constructed in any desired manner, is preferably composed of crossed bars or pieces 8, centrally secured together and arranged to form legs, as clearly shown in Fig. 1 of the accompanying draw-
65 ings, and the perforated ears or pieces 2 have their lower portions slotted or bifurcated and arranged at opposite sides of one of the crossed bars or pieces 8 and receiving the other crossed bar or piece 8 in their slots or
70 bifurcations.

The connecting-plate 3, which is substantially diamond-shaped, is oppositely tapered, as shown, and is provided with reversely-
75 arranged upper and lower longitudinal slots 9 and 10, receiving the upper and lower pivots 11 and 12, which connect the plate with the stand and the top of the table. These pivots, which pass through perforations of the parallel ears 2 and 6, are preferably in the form
80 of screws and are provided with suitable nuts 13 and 14, whereby the perforated ears are caused to clamp the coupling-plate 3 and secure the table at any desired adjustment. The nuts, which are provided with suitable
85 handles or other means whereby they may be readily operated, engage one of the perforated ears of each pair, and the screws or bolts which constitute the pivots are provided with transversely elongated heads 11^a and 12^a, hav-
90 ing their terminals extended inward and embracing the adjacent ears. The inwardly-bent terminals of the heads engage the edges of the adjacent ears and prevent the pivots from rotating when the nuts are being operated.
95 The slots, which are located adjacent to the opposite edges of the plate 3, extend inward from the terminals thereof and are provided at their inner ends with angularly-disposed extensions or seats 15 and 16, adapted to re-
100 ceive the pivots when the latter are arranged at the inner extremities of the slots. The

plate 3 may be raised and lowered and swung in either direction and can be adjusted to bring the table-top at either side of the center of the stand to arrange it in the most convenient position for use, and when the hinged leaf 5 of the top of the table is extended, as illustrated in Fig. 2 of the drawings, the top of the plate may be arranged to project over a bed to bring its contents within easy reach of an invalid without subjecting him to any pressure.

The top of the table may be used for all the purposes to which an ordinary table can be put, and when the leaves are extended they may be tilted to an inclined position, as illustrated in dotted lines in Fig. 2 of the drawings, to form an artist's easel, and they can be arranged to form a child's desk or a support for a blackboard or the like.

The main leaf is provided at one end with a shelf 16^a, adapted to be used when the parts are arranged to form an easel and secured between the adjacent edge of the top of the table and a cleat or stop 17, which is connected with the table by pins 18. The pins 18 pass through transverse slots 19 of the shelf, and in order to enable the latter to be adjusted to project it the desired extent above the top of the table the transverse slots are provided with longitudinal branches 20, extending in the same direction and adapted to receive the pins 18. The shelf is capable of being reciprocated longitudinally to carry the pins into and out of the longitudinal branches 20, and the transverse slots permit the shelf to be depressed and elevated to bring any one of the longitudinal branches opposite the pins 18. The longitudinal branches 20, which may be of any desired number, are shown arranged at the ends and center of the transverse slots 19.

The hinged leaf 5, which is provided with sides 21, is connected with the adjacent edge of the main section or leaf 4 by double or compound hinges 22, adapted to permit the leaf 5 to swing upward and downward below a horizontal position to fold upon the main leaf, as illustrated in Fig. 1, or to swing down out of the way. The double or compound hinges are composed of three leaves, the outer leaves being secured, respectively, to the sections of the top of the table and connected to the ends of the central leaf by hinged joints. The central leaf is provided at each end with eyes, and a pair of pintles is employed for each hinge. One of the end leaves of the double hinge is secured to the upper face of one of the sections of the table-top, and the other end leaf of such hinge is attached to the lower face of the other section of the table-top, and the hinges are reversely arranged, whereby the sections of the table-top are held closely together at their adjacent edges and are at the same time permitted to swing in both directions. The sides 21 are rigid with the leaf or section 5, and when the latter is arranged as

illustrated in Fig. 1 of the drawings the said sides cooperate with the shelf 16 to form a box for preventing the contents of the table from falling off the top. The hinged end of the leaf or section 5 is provided with a piece 23, completing the sides of the box, and centrally pivoted by means of a pin 24, whereby it is adapted to be turned at right angles, as illustrated in Fig. 2, to form a locking-bar to retain the link or section 5 in a horizontal position.

The invention has the following advantages: The table, which is simple and comparatively inexpensive in construction, is capable of ready adjustment to raise and lower its top to bring the same to the desired elevation, and it may be arranged to form an extension-table, an artist's easel, or a desk. The slotted connecting-plate is adapted to swing horizontally and can be arranged for vertical or horizontal adjustment, so that the table-top may be projected over a bed to bring its contents within convenient reach of an invalid, and when the table is adjusted in any of its various positions it is securely retained in such adjustment by the clamping devices carried by the pivots. The main section or leaf of the top of the table is provided with an adjustable shelf, which is adapted to be raised and lowered to project the desired distance above the top of the table, and the hinged leaf has sides which cooperate with the shelf to form a basket or box for retaining the contents of the table on the same. The leaf or section 5 is adapted to swing upward and downward independent of the main leaf or section, and the transverse end piece 23 is adapted to be turned at right angles to its normal position to form a locking-bar for holding the leaf or section 5 in an extended position.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. An adjustable table comprising a stand, a top, pivots passing respectively through the stand and the top, and a coupling-plate connected with the stand and the top and provided with upper and lower slots receiving the pivots of the said stand and top, substantially as described.

2. A table comprising a stand, a top, pivots passing respectively through the stand and the top, and a coupling-plate connecting the stand and the top and provided at opposite sides with reversely-arranged slots, receiving the said pivots and extending inward from the ends of the plate, substantially as described.

3. A table comprising a stand, a top, pivots passing respectively through the stand and the top, and the substantially diamond-shaped coupling-plate provided with reversely-arranged longitudinal slots, extending inward from the ends of the plate and receiving the

said pivots and provided at their inner ends with angularly-disposed extensions forming seats for the pivots, substantially as described.

4. A table provided with a top, comprising
5 a main leaf provided at one end with a shelf, and a hinged leaf connected with the opposite end of the main leaf, and provided with sides extending upward, when the hinged leaf is folded upon the main leaf to cooperate with
10 the said shelf to form a box or basket, substantially as described.

5. A table provided with a top, comprising a pivoted main leaf provided at one end with fastening devices, a shelf provided with transverse slots receiving the fastening devices,
15 and having longitudinal branches arranged at intervals and adapted to be engaged by the fastening devices whereby the shelf is secured at the desired adjustment, and a hinged leaf,
20 substantially as described.

6. A table provided with a top comprising a main leaf having a shelf or end piece, an extension-leaf hinged to the main leaf and adapted to swing upward and downward and
25 provided with rigid sides 21, and the transverse end piece pivotally mounted on the extension-leaf and adapted to form a locking-bar when the same is arranged in a horizontal position, substantially as described.

30 7. A table-top comprising a main leaf, pro-

vided at one end upon its top with a shelf; the extension-leaf provided with sides 21, and a piece 23 which is connected to the extension-leaf by means of a pin, and which piece is adapted to be turned at right angles to the
35 length of the extension-piece, combined with a compound hinge by means of which the main and extension leaves are hinged together; the sides 21, and the end piece 23 being connected to the under side of the extension-leaf when
40 it is in an extended position, and serving when the leaf is folded back upon the main leaf, in connection with the shelf, to form an open-top box, substantially as specified.

8. A table provided with a top comprising
45 a main leaf having a shelf, and an extension-leaf hinged to the main leaf and provided with upwardly-extending sides cooperating with the shelf to form a box or basket, one of the sides of the extension-leaf being movable and adapted to engage the main leaf,
50 whereby the extension-leaf is supported in an extended position, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
55 the presence of two witnesses.

PRESLEY ALPHEUS CONGOUR.

Witnesses:

B. F. MILAM,
S. C. UNSELL.