(No Model.) 2 Sheets—Sheet 1.

E. E. BENNETT.

ADJUSTABLE TABLE.

No. 589,461. Patented Sept. 7, 1897.

Fig. 1

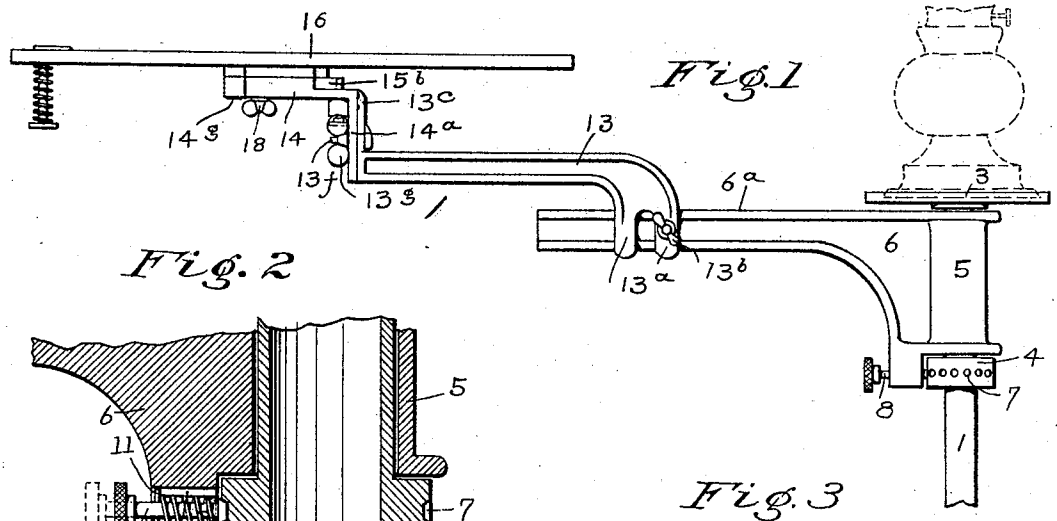


Fig. 2

Fig. 3

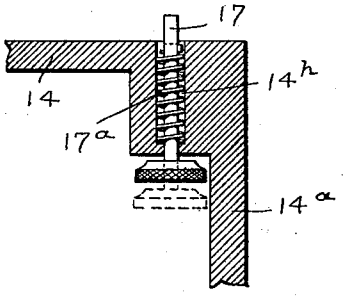


Fig. 4

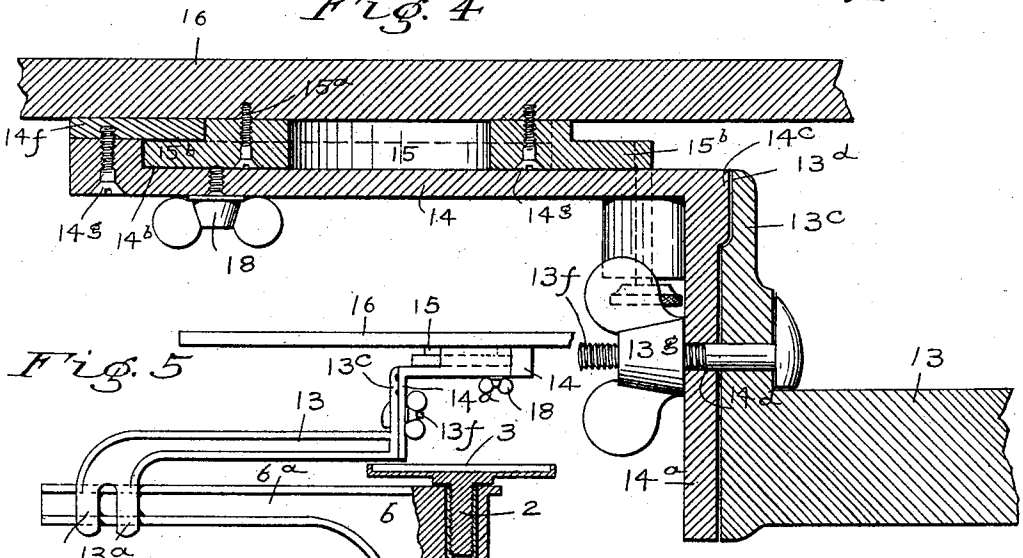


Fig. 5

Witnesses
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A. W. Gaboon

Inventor:
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By his Atty.
C. B. Reichelt

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

E. E. BENNETT.

ADJUSTABLE TABLE.

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Fig. 6

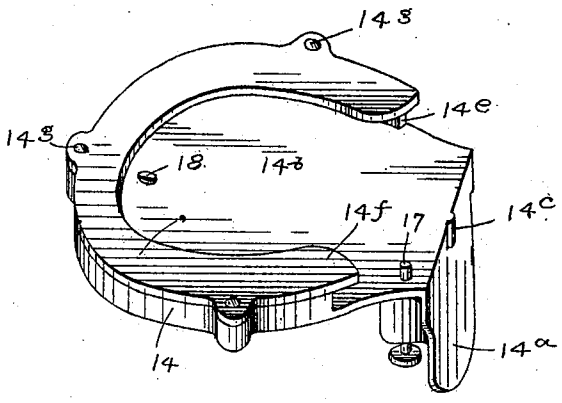


Fig. 7

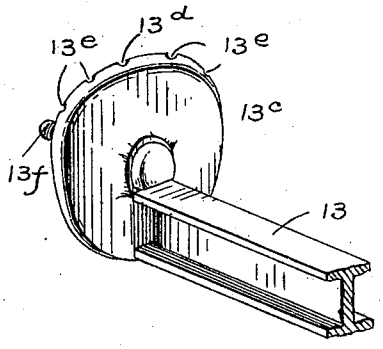


Fig. 8

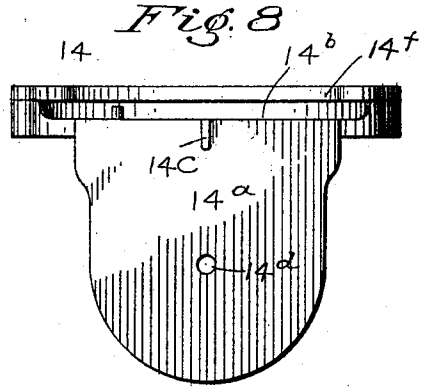


Fig. 9

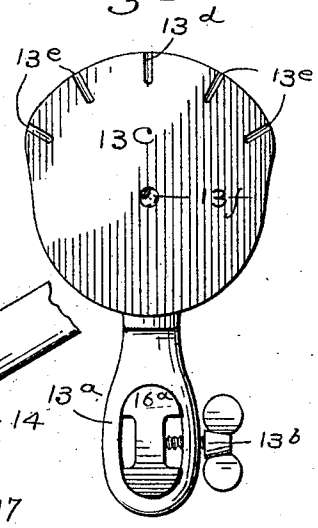
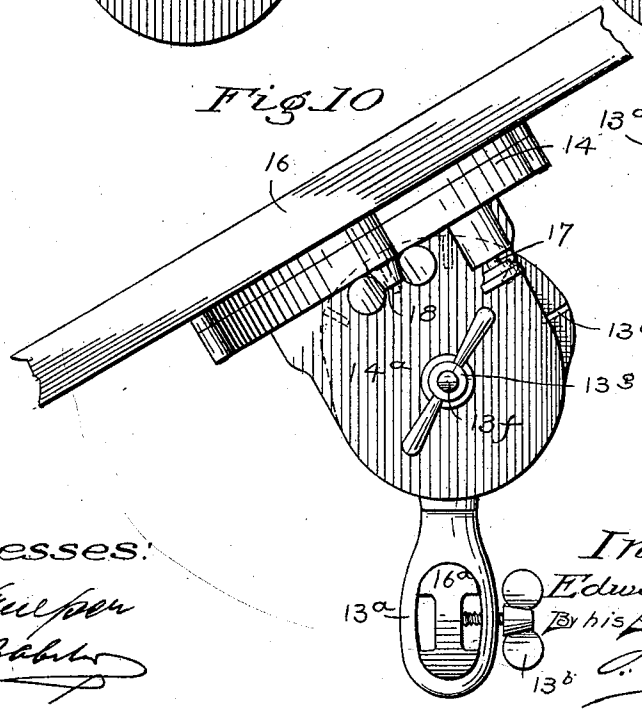


Fig. 10



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD EVAN BENNETT, OF LINCOLN, NEBRASKA.

ADJUSTABLE TABLE.

SPECIFICATION forming part of Letters Patent No. 589,461, dated September 7, 1897.

Application filed February 1, 1897. Serial No. 621,402. (No model.)

To all whom it may concern:

Be it known that I, EDWARD EVAN BENNETT, a citizen of the United States, and a resident of Lincoln, in the county of Lancaster, State of Nebraska, have invented certain new and useful Improvements in Adjustable Tables, of which the following is a specification.

My invention relates generally to improvements in tables supported upon adjustable brackets to be secured to a bed, chair, or stand for the use of invalids, for home comfort, and convenience while reading, writing, eating, or while employed in such way that a table can be advantageously used; and the invention consists in certain improvements upon the details of construction of a table similar to that patented by me, No. 570,897, and dated November 10, 1896, wherein a bracket-sleeve is attached to the side rails of an ordinary bed, and an upright post to which the table-bracket is secured is supported therein.

My present invention may either be secured to a bed-rail in the manner described in said patent, or it may be supported in a socket-plate secured to a seat or lounge or in a suitable post or standard resting upon a base and adapted to be moved about as a center-table, a card-table, or a work-stand.

In the accompanying drawings, Figure 1 is a side elevation of a table, illustrating my invention; Fig. 2, an enlarged sectional detail of the post-collar and bracket-sleeve and means for connecting and adjusting the same; Fig. 3, an enlarged section of a fragment of the fastening of the angle-plate for connecting and adjusting the adjustable arm-section with the table; Fig. 4, an enlarged section through the said angle-iron, the end of the adjustable arm-section, and the table connection; Fig. 5, a side elevation of the adjustable table with the bracket-sleeve and tray-plate in section and with the adjustable arm-section reversibly connected to the bracket-arm to hold the table centrally over the post; Fig. 6, a perspective view of the angle-plate in detail; Fig. 7, a similar view of the upturned end plate broken off from the adjustable arm-section; Fig. 8, an end elevation of the angle-plate with its vertical face-plate presented; Fig. 9, a similar view of the upturned end plate of the adjustable arm-section; and Fig. 10, an end elevation of the table, the angle-iron, and the adjustable arm-section.

The post 1 is preferably made tubular and is screw-threaded internally at its upper end to receive the threaded stud 2 of a tray-plate 3, as shown in Fig. 6, a collar 4 being also formed upon the post 1 a suitable distance below the upper end of the post to provide a long bearing for the sleeve 5 of a bracket 6, the upper end of said bracket being securely held upon the upper end of the post by the tray, which screws into the end thereof, as just described. The collar 4 is made with pin-sockets 7 in and around the periphery thereof to receive a spring-pin 8, supported in a socket 9 in the lower end of the bracket 6, and adjacent to the sleeve 5 thereof. The socket 9 has a longitudinal slot 10 in the upper side thereof which receives a spur 11, projecting from the pin 8, and allows said pin and spur to move endwise freely therein. A coiled spring 12 encircles the pin 8 and presses it in to engage normally with the pin-sockets 7 in the collar to thus lock the bracket at any desired point upon the post and collar. When the bracket is to be removed from the post, the pin 8 is pulled out from engagement with the collar, as shown by dotted lines, Fig. 2, and then turned partly round to hold the said pin out of such engagement by means of the spur 11 on the pin which has been thus withdrawn from the slot 10 and turned down to abut against the outer face of the socket.

The adjustable arm-section 13 of the bracket has loops 13^a therein, which fit upon the arm 6^a of the bracket 6, and a set-screw 13^b fitted in one of said loops cramps against the bracket-arm 6^a and holds the adjustable arm-section 13 securely at any adjusted position thereon. The arm-section 13 may be supported upon the bracket-arm 6^a to form an extension thereof, as shown in Fig. 1, or it may be reversed to hold the table centrally over the post 1, as shown in Fig. 5 of the drawings, the table being thus best suited for a stand or table to be held in a fixed position relatively to other pieces of furniture when not used for special purposes. The free end of the adjustable arm-section 13 has an upturned bearing-plate 13^c, which is faced off to receive a corresponding vertical plate 14^a upon an angle-plate 14, the horizontal plate

14^b thereof being adapted to receive the hub-plate 15 of a table 16, secured to the upper side thereof. The bearing-plate 13^c has a radial top recess 13^d and radial side recesses 13^e upon either side thereof to receive a projecting rib 14^c thereon, and thus allow the angle-plate to be placed and secured either in the middle recess to hold the table in a horizontal position or in either of the side recesses to hold the table at any desired angle.

The angle-plate 14 is securely held upon the free end of the bracket-arm 6 by a threaded bolt 13^f, fixed to the center of the bearing-plate 13^c and extending through a central aperture 14^d in the knee-plate and a wing-nut 13^g, fitted upon the end of the said bolt. The horizontal plate 14^b of the angle-plate 14 has a raised U-shaped flange 14^e on the rim thereof and a corresponding U-shaped cap-plate 14^f, secured thereon by screws 14^g to thus provide a socket to receive the hub-plate 15 of the table. The hub-plate 15 is a simple flanged plate secured by wood-screws 15^a to the under side of the table 16, the flange 15^b thereof being slid under the cap-plate 14^f and into the socket of the angle-plate 14, a pin 17 upon the latter serving to hold the hub-plate securely therein when thus placed in such manner that the hub-plate and table may be freely turned therein, a clamping-bolt 18, fitted through a threaded hole in the plate 14^b, serving to clamp the hub securely in any desired position.

The pin 17 for holding the hub-plate in place is clearly shown in Fig. 3 and passes through a socket 14^h upon the knee-plate, within which is inclosed a spiral spring 17^a, attached to the pin which tends to normally lift the same above the surface of the knee-plate and thus hold the hub in place. When the pin is drawn down against the action of the spiral spring, the hub may be withdrawn from the socket and the table readily removed from the arm or replaced thereon. The tray upon the upper end of the post may be used to hold a lamp or pitcher of water.

The flange 14^e and cap-plate 14^f of the angle-plate 14 may be all cast together, but with the construction shown the cap-plate will be stronger, smoother, and be made to fit closer than would the flange and cap of a solid casting.

I claim as my invention and desire to secure by Letters Patent—

1. The combination with a table, of a bracket angle-plate having a U-shaped socket upon the horizontal plate thereof, a hub-plate secured to the under side of the table to fit into said socket and a pin fitted upon the said horizontal plate opposite the opening of the socket thereon to hold the hub-plate therein, substantially as described.

2. The combination with a table, of a bracket angle-plate having a U-shaped socket, a hub-plate secured to the under side of the table to fit into said socket, a pin fitted into the angle-plate opposite the opening of the U-shaped socket and a clamping-bolt in the angle-plate to secure the hub-plate and table fixedly thereto, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in the presence of two subscribing witnesses.

EDWARD EVAN BENNETT.

Witnesses:
E. C. HILLS,
JESSIE A. KEEFER.