April 3, 1956 A. CAMPBELL 2,740,678

ADJUSTABLE TABLE FOR BEDS

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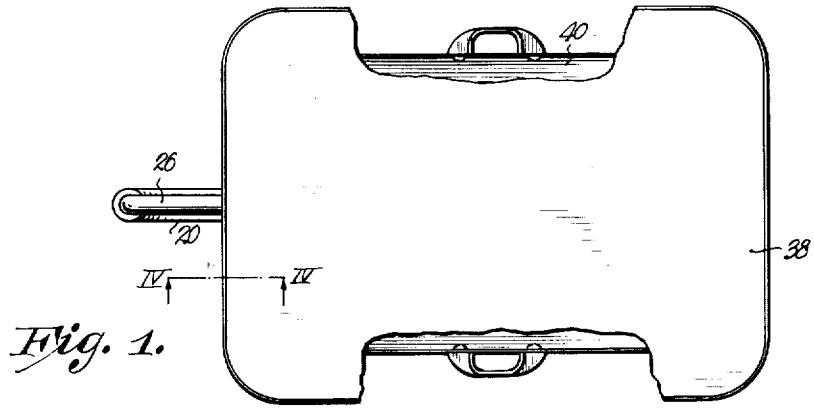
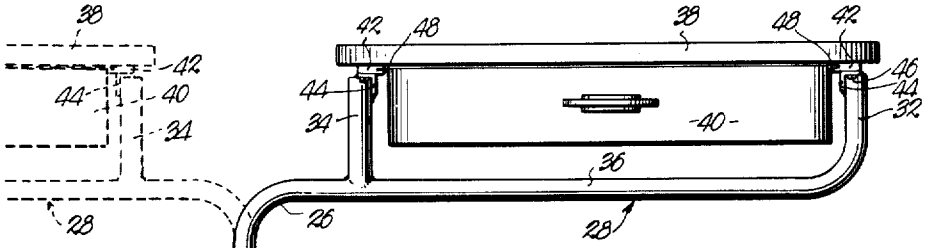


Fig. 1.



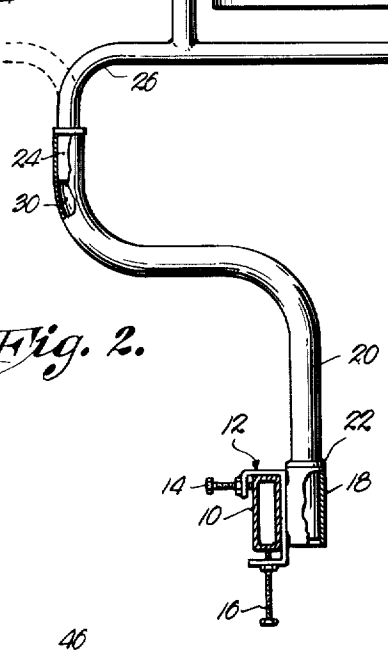


Fig. 2.

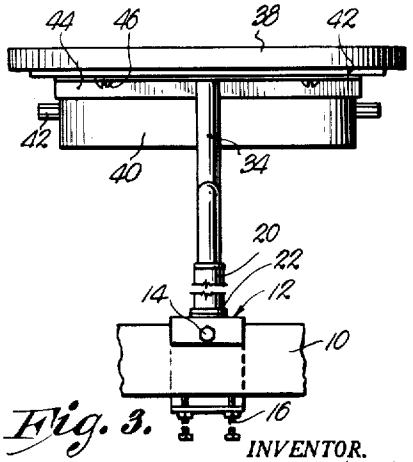


Fig. 3.

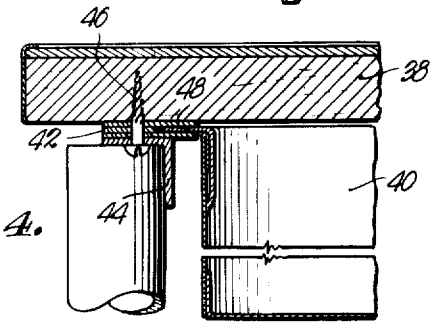


Fig. 4.

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ADJUSTABLE TABLE FOR BEDS

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1 Claim. (Cl. 311—26)

This invention relates to adjustable tables of the type and character capable of being supported by a portion of a bed, particularly the rail thereof, and in such a position as to be usable by the occupant of the bed.

The primary aim of this invention is to provide an adjustable table for beds in hospitals where the patient or occupant of the bed may shift the table to a position overhanging the same where the platform of the table may be conveniently used by the bed occupant or the table may be moved to a position entirely away from a position overhanging the bed where the patient may be reached by an examining physician or may be moved to and from the bed without any portion of the adjustable table being in the way, where freedom of movement on the part of the patient or the attending physician or nurse, is restricted.

One of the primary aims of this invention is to provide a table of the aforementioned character, that has a platform normally disposed in a horizontal plane and which platform is carried by a frame of tubular material, mounted upon a specially designed standard, capable of quick attachment to a clamp mounted upon the bed rail and having a bearing formed thereon for the reception of one end of the said standard.

Further objects of the invention include the particular form and disposition of a U-shaped frame, an L-shaped arm, a reversely curved standard and a platform that is carried by the said U-shaped frame, with a drawer thereunder, capable of movement from beneath the platform to either side of the platform, without restriction and with such freedom as to permit the user of the adjustable table to move the drawer outwardly from its normally closed position.

Other objects of the invention will appear during the course of the following specification referring to the accompanying drawing, wherein:

Fig. 1 is a top plan view of the adjustable table for beds, embodying my invention and showing in fragmentary fashion, the drawer which underlies the normally horizontal platform of the assembly.

Fig. 2 is a side elevational view of the adjustable table for beds, illustrating the same, supported by a bed rail.

Fig. 3 is an end elevational view; and

Fig. 4 is an enlarged fragmentary detailed sectional view taken on line IV—IV of Fig. 1.

The preferred embodiment of the invention is illustrated in the accompanying drawing and the numeral **10** designates the ordinary rail of a conventional bed, to which the adjustable table assembly is mounted through the medium of a clamp, generally designated by the numeral **12**, and which is so formed as to embrace the bed rail **10**, as illustrated in Fig. 2. The clamp **12** is substantially U-shaped and provided with a pair of set screws **14** and **16**, movable into engagement with bed rail **10** so that the clamp **12** cannot shift in any direction once the same is secured in place as shown in the drawing. Clamp **10** has a bearing **18**, formed integrally therewith, and the

major axis of this bearing is disposed vertically when clamp **12** is in place.

A standard **20**, formed of tubular material and shaped as clearly illustrated in Fig. 2 of the drawing, is reversely curved to present end portions that are straight and disposed in parallelism but in spaced relation. The normally lower end of standard **20** is slipped into bearing **18** of clamp **12** and when in such position, a bead **22** prevents vertical displacement of the standard in a downward position but allows the standard **20** to be removed from bearing **18** when the table is to be separated from association with bed rail **10**. The normally upper or opposite end of standard **20** is adapted to receive the end portion **24**, of an L-shaped arm **26**, that extends laterally from a U-shaped frame **28**. The socket **30** in the upper end of standard **20**, receives portion **24** of arm **26** in such a way as to permit the turning of frame **28** and arm **26** about a vertical axis without restriction.

U-shaped frame **28** comprises a pair of normally vertical arms **32** and **34**, joined by the straight, normally horizontally disposed bight **36**. Arms **32** and **34** and bight **36**, as well as L-shaped arm **26**, are all disposed in the same vertical plane when the adjustable table is in the operative position. A platform **38**, is carried by the legs **32** and **34**, and this platform is normally in a horizontal plane and may be swung from the position shown in full lines of Fig. 2, to the position shown in dotted lines of Fig. 2 in the drawing. When the platform **38** is swung to the position shown in dotted lines, it is disposed over the occupant of the bed to which the adjustable table is affixed, and the form of standard **20** and L-shaped arm **26**, is such as to give freedom below the bight of frame **28**.

Drawer **40** is slidably mounted below platform **38** through the medium of a pair of opposed rails **42**, secured to platform **38** by screws or the like, as shown in Fig. 4. Rails **42** overlie braces **44** in the nature of angle irons, extending across the top of legs **32** and **34** of frame **28**. Rails **42** lie upon the upper surface of angle irons **44** and the screws **46** pass upwardly through angle irons **44**, rails **42** and thence into platform **38**, to not only secure the rails in place but to fasten the rails and platform **44** and **38** respectively, to the angle irons **44**.

Drawer **40** is provided with outturned flanges **48** that enter rails **42** to slidably mount drawer **40** for movement in a normally horizontal plane beneath platform **38**. Drawer **40** is movable outwardly to either of two opposite sides of platform **38** and the drawer is of such size as to be completely free of contact with any portion of U-shaped frame **28**, as clearly illustrated in Fig. 2.

The L-shaped arm **26** projects laterally and outwardly from beneath platform **38**, to a normally vertical line where it enters the socket **30** of standard **20**, and when the parts are so formed and assembled, as shown in the drawing, particularly Fig. 2, the table assembly is completely adjustable to any position that may be desired by the occupant of the bed, to the rail **10** of which the adjustable table assembly has been affixed. Frame **28**, including the legs **32** and **34** and bight **36**, as well as the L-shaped arm **26**, all are disposed in the same vertical plane, which plane is on the median line of platform **38**. Angle irons **44** extend to each side of the legs **32** and **34**, and since these angle irons **44** are welded directly to the upper ends of arms **32** and **34**, no tipping of platform **38** is permitted.

An adjustable table for beds made pursuant to the form of the invention shown in the drawings and hereinabove described, is particularly convenient in hospitals because the swiveling action permitted at bearing **18** and socket **30**, allows movement of the parts of the table assembly to positions desired by both the occupant of the bed and

the hospital attendants where the table is affixed to a hospital bed.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

For attachment to a bed having a rail, adjustable table structure comprising a detachable clamp adapted for attachment to the rail of the bed, said clamp being provided with a vertical bearing; a reversely curved standard having a pair of elongated, vertical, vertically and horizontally offset, end portions and an elongated, horizontal, intermediate portion integrally interconnecting the lowermost end of the upper end portion with the uppermost end of the lower end portion, the lowermost extremity of the lower end portion being journalled within said bearing for unlimited, free rotation upon a vertical axis, the uppermost extremity of the upper end portion being provided with a female, vertical bearing socket; a V-shaped frame having an elongated, horizontal bight and a pair of upright legs, said bight and one of said legs being integrally interconnected; a horizontal, table platform mounted on the uppermost extremities of said legs; and an L-shaped member integral with said bight and including an elongated horizontal arm extending laterally from

the end of said bight remote from said one leg to a point beyond the adjacent edge of the platform and an elongated, vertical arm extending downwardly from the extremity of said horizontal arm disposed beyond said edge of the platform to said socket, the lowermost extremity of said vertical arm being journalled within said socket for unlimited, free rotation upon a vertical axis in spaced parallelism to said first mentioned axis.

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