Dec. 26, 1950 R. B. WOODY 2,535,112

ADJUSTABLE BEDSIDE STAND AND TRAY

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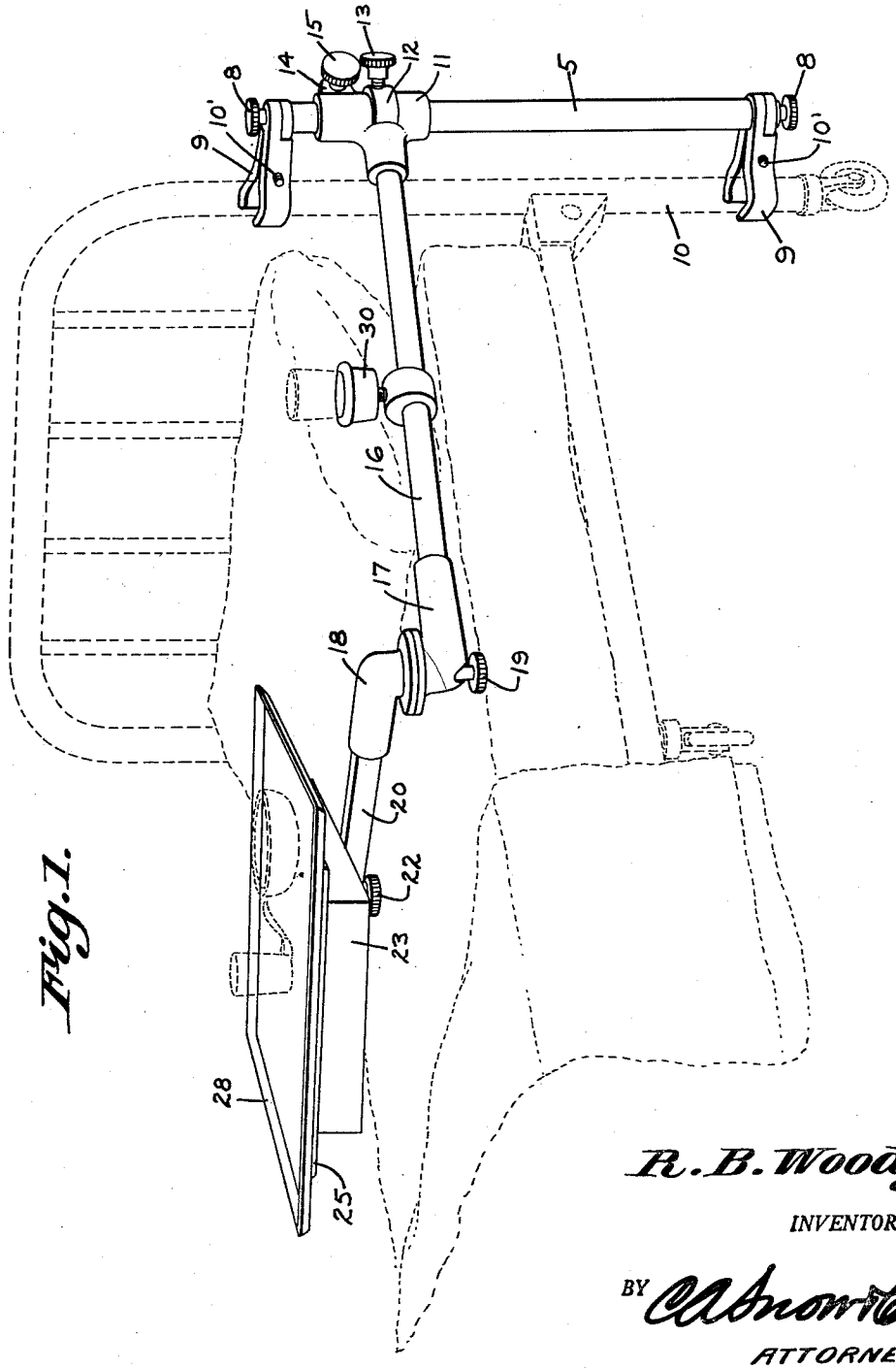



Fig. 1.

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BY Albert Les.

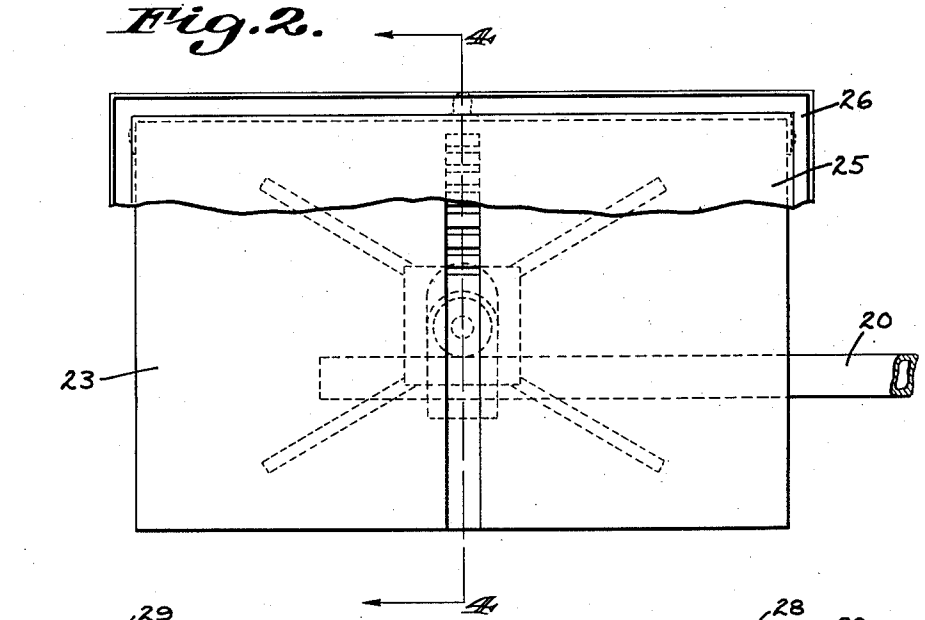
ATTORNEYS.

Dec. 26, 1950 R. B. WOODY 2,535,112

ADJUSTABLE BEDSIDE STAND AND TRAY

Filed Aug. 14, 1946 4 Sheets-Sheet 2

Fig. 2.



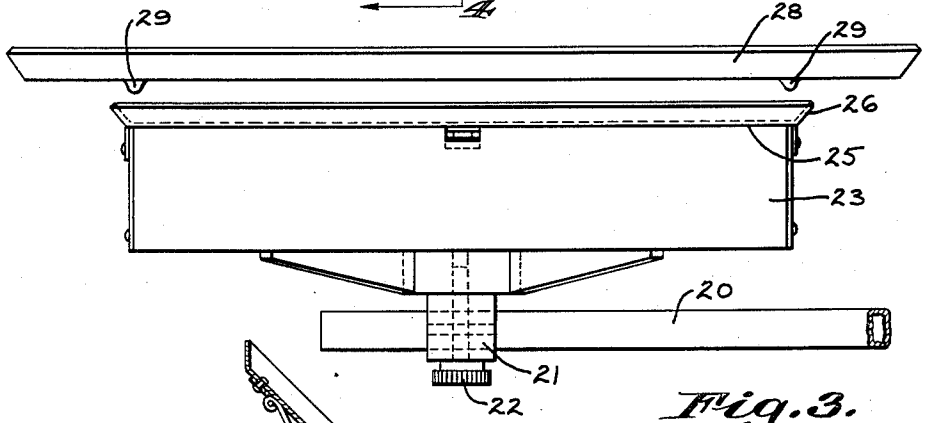
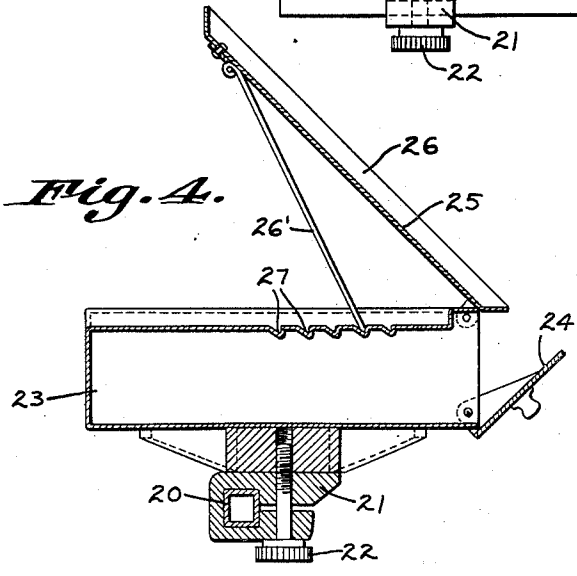




Fig. 3.

Fig. 4.




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Dec. 26, 1950 R. B. WOODY 2,535,112

ADJUSTABLE BEDSIDE STAND AND TRAY

Filed Aug. 14, 1946 4 Sheets-Sheet 3

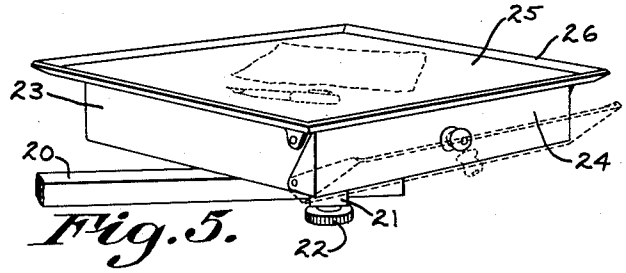



Fig. 5.

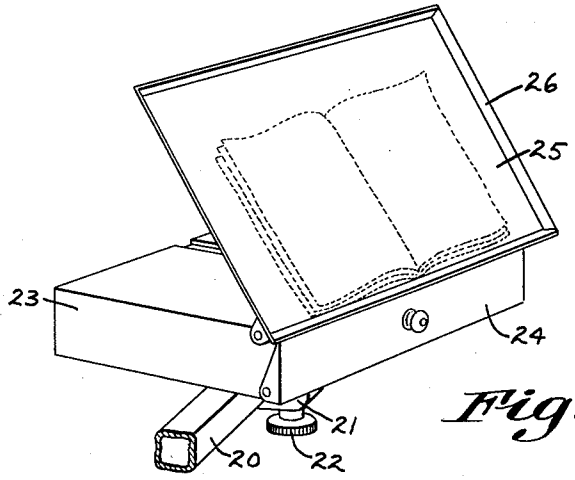



Fig. 6.

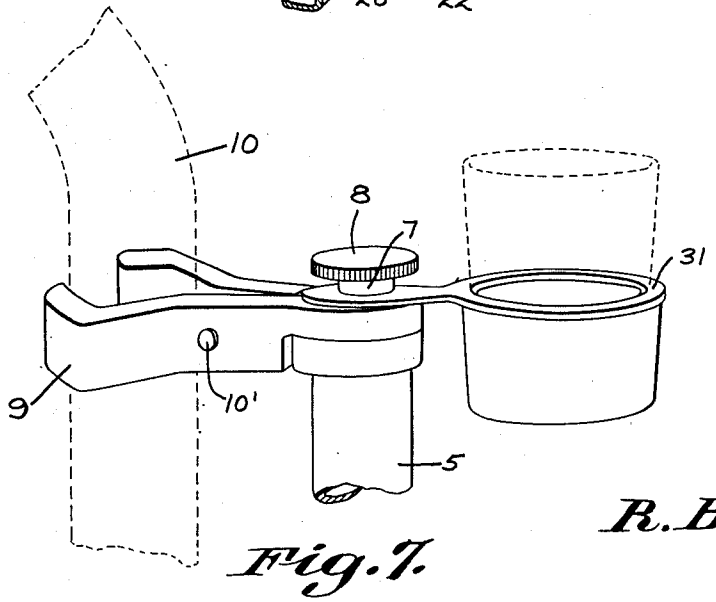



Fig. 7.

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Dec. 26, 1950 R. B. WOODY 2,535,112

ADJUSTABLE BEDSIDE STAND AND TRAY

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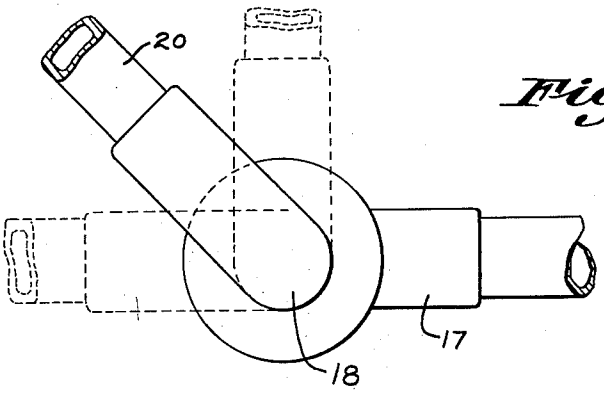
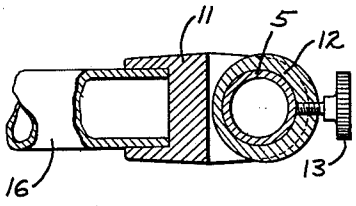



Fig. 8.



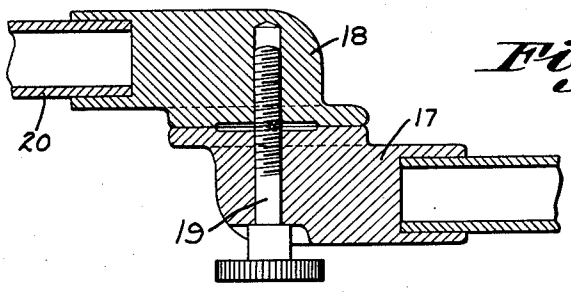
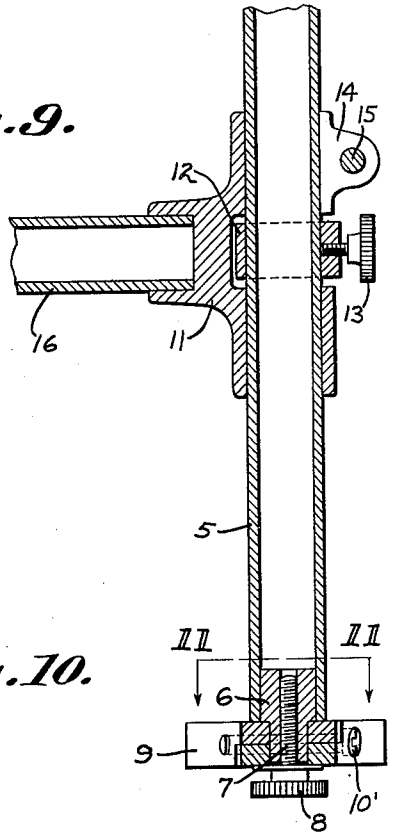




Fig. 9.



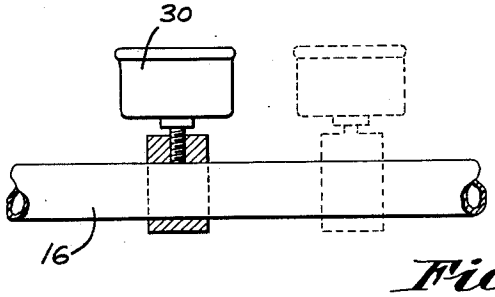




Fig. 10.

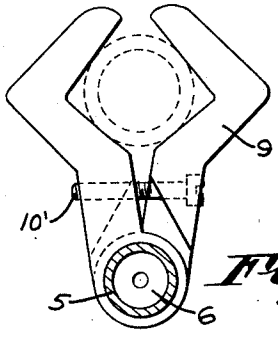



Fig. 11.

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Patented Dec. 26, 1950 2,535,112

# UNITED STATES PATENT OFFICE

2,535,112

## ADJUSTABLE BEDSIDE STAND AND TRAY

Ross B. Woody, Los Angeles, Calif.

Application August 14, 1946, Serial No. 690,508

1 Claim. (Cl. 5—317)

1

This invention relates to an adjustable bedside stand and tray, the primary object of the invention being to provide a device of this character which may be readily and easily clamped to the vertical side rails of the head of a bed, the device comprising arms capable of swinging adjustment so that the box or container supported thereon may be brought into position adjacent to the person occupying the bed, where the person will have convenient access thereto.

Another important object of the invention is to provide a device of this character including a vertically swinging tray having means to support the tray in various inclined positions, so that a person may use the tray as a support for books or papers while reading, or as a desk for writing.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

In the accompanying drawings the preferred forms of the invention have been shown.

Referring to the drawings

Figure 1 is a perspective view of an adjustable bedside stand and tray, constructed in accordance with the invention, and illustrating the device as positioned on a bed.

Figure 2 is a plan view of the box which is adjustably supported at the free end of the bracket, the pivoted section of the box being partly broken away.

Figure 3 is an elevational view of the box carried at the free end of the tray, the removable tray, which is supported by the box, being shown.

Figure 4 is a sectional view taken on line 4—4 of Figure 2, the pivoted tray section of the box being elevated.

Figure 5 is a perspective view of the box at the free end of the bracket, the box being closed and used to contain articles such as paper, pens, or the like.

Figure 6 is a perspective view of the box, illustrating the hinged tray as elevated for use as a support for a book while a person is reading.

Figure 7 is an elevational view illustrating a modified form of glass or tumbler support which may be used in connection with the bracket.

Figure 8 is a plan view of the intermediate portion of the bracket, a portion of the bracket being shown in section.

2

Figure 9 is a longitudinal sectional view through the bracket.

Figure 10 is a detailed view illustrating the glass or tumbler support used on the main arm of the bracket.

Figure 11 is a sectional view taken on line 11—11 of Figure 9.

Referring to the drawings in detail the stand comprises the main supporting post 5 which is formed with extensions 6 at its ends, the extensions being formed with threaded bores to accommodate the threaded shanks of the screws 7, the heads 8 of which contacting with the adjustable jaws 9 that clamp the side rail 10 of a bed, as clearly shown by Figure 1 of the drawings. These adjustable jaws 9 are secured in their gripping positions by means of the set-screws 10' that operate in threaded openings of the jaws.

The reference character 11 indicates a vertically adjustable sleeve that fits over the supporting post 5, as clearly shown by Figure 9 of the drawings. This sleeve is formed with a cut-out portion in which the collar 12 is positioned, the collar 12 being held on the post 5 by means of the set-screw 13. In addition to this supporting collar 12, the upper section of the sleeve 11 is split providing ears 14 that are held together by means of the set-screw 15, the set-screw acting to draw the ears together to cause the sleeve to grip the post 5 and secure it in its positions of adjustment along the post 5.

The vertically adjustable sleeve 11 is formed with an opening, in which the horizontal pipe 16 is secured, the opposite end of the pipe being fitted in an opening of the head 17.

Cooperating with the head 17 is the head 18, the head 17 being formed with an opening through which the screw 19 extends, the screw 19 also extending into a threaded opening formed in the head 18, to secure the heads 17 and 18 together against movement with respect to each other. It will, of course, be understood that when the screw 19 is loosened, the head 18 may be adjusted in a horizontal plane and secured in its positions of adjustment by tightening the screw 19.

Extending from the head 18 is a tube 20 which is square in cross-section, the tube 20 being fitted in the square opening formed in the clamp 21 which embodies split members adapted to clamp the tube 20, the split members being held into clamping relation with the tube 20 by means of the screw 22. Thus it will be seen that due to this construction, the clamp 21 may, when loosened, be adjusted longitudinally of the tube 20, and secured in its positions of adjustment.

The reference character 23 indicates a box-like container which is provided with a hinged closure 24 that closes the front open end of the box 23. Hingedly connected with the box 23 is the tray 25, the tray 25 being provided with an outwardly extended flange 26 formed along its marginal edge, to hold books or papers thereon when the device is to be used as a support for books or a support for paper while writing.

At the rear of the tray 25, is a pivoted prop 26' that is adapted to engage the notches 27 formed in the top of the box 23, to hold the tray 25 in an inclined position.

It might be further stated that in conjunction with the box and tray 25, a removable tray 28 is provided, the tray 28 being formed with lugs 29 adapted to engage the marginal flange 26, securing the removable tray 28 in position against sliding from the tray 25.

As shown by Figure 1 of the drawings, a glass or tumbler support 30 is mounted on the horizontal pipe 16, and may be adjusted longitudinally thereof, for the convenience of the person occupying the bed equipped with the device.

In the form of the glass or tumbler support as shown by Figure 7, the glass or tumbler support comprises an arm 31 formed with an opening to receive the uppermost screw 7 of the device, in securing the arm 31 in position. The arm 31 is formed with an opening sufficiently large to receive a tumbler, such as indicated in dotted lines in Figure 7.

From the foregoing it will be seen that due to the construction shown and described, I have provided an adjustable bedside stand and tray, which may be readily and easily secured to a vertical side post or rail of a head of a bed, so that the stand or tray may be adjusted both in vertical and horizontal planes, to cause the box and trays to be moved to positions where they may be conveniently used by the person occupying the bed equipped with the device.



Having thus described the invention what is claimed is:

An adjustable bedside stand comprising a bracket adapted to be clamped to a supporting post, a support embodying pivotally connected tubular members mounted on the bracket, a box-like body secured to one end of the support, the front only of the box-like body being open, a hinged closure normally closing the open front of the box-like body, a tray pivotally connected to the upper front edge of the box-like body, a marginal inclined flange formed on the tray and extending laterally beyond the edges of the tray, the top of the body having a recess formed therein, the recessed portion of the top having notches formed in spaced relation with respect to each other, a prop pivotally connected to the bottom of the tray, and the free end of the prop engaging within the notches supporting the tray in various inclined positions with respect to the top of the box-like body, said prop folding into the recessed portion of the top when the tray is swung downwardly into engagement with the top of the box-like body.

ROSS B. WOODY.


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