Feb. 20, 1968 G. J. TELARICO 3,369,839

TRAY ATTACHABLE TO CHAIR OF AN INVALID

Filed Sept. 6, 1966

Fig. 1

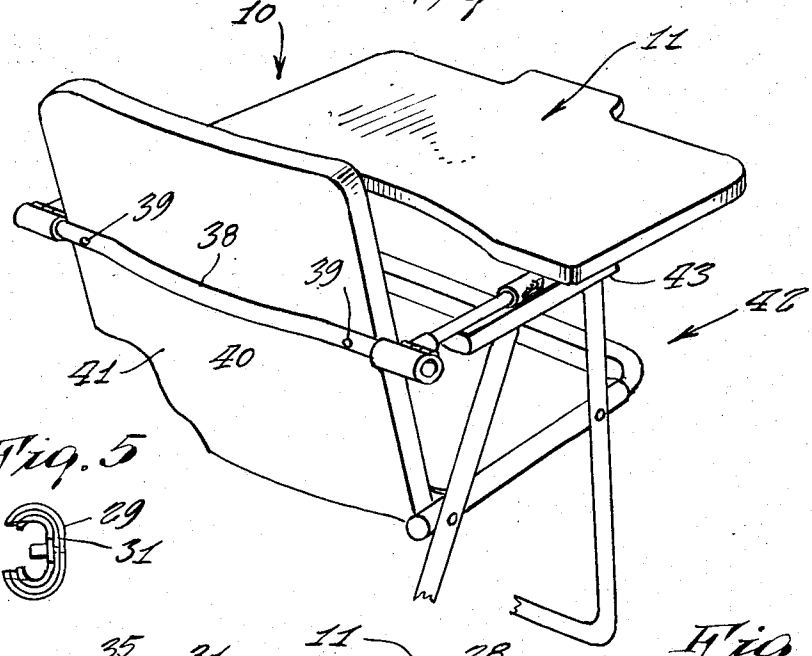


Fig. 5

Fig. 2

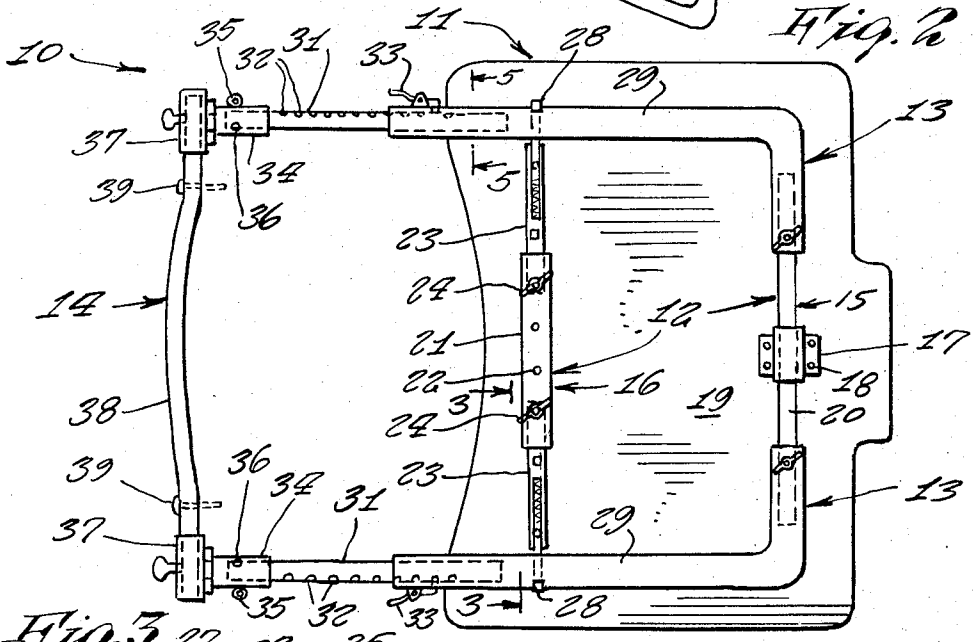


Fig. 3

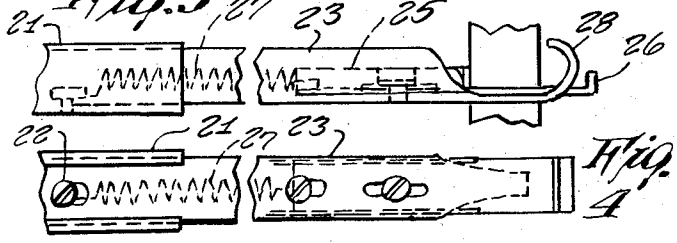


Fig. 4

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TRAY ATTACHABLE TO CHAIR OF AN INVALID

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ABSTRACT OF THE DISCLOSURE

A tray assembly for an invalid which can be removably mounted on a chair and wherein the tray can be adjusted to various positions to provide maximum convenience for usage and for the user to mount and leave the chair without removing the tray.

This invention relates generally to trays. More specifically it relates to trays which are removably secured to chairs.

SUMMARY

This invention comprises a tray for invalids which can be removably mounted on a chair having arm rests and a back rest wherein said tray is mounted on an understructure which can be transversely adjusted as to its width and includes spaced members spring biased inwardly to accommodate chairs and invalids of varying widths.

An additional feature of this invention is the provision of means for adjusting the length of the understructure to accommodate various sized chairs and invalids.

A further feature is the provision of means for pivoting the tray and supporting understructure about a vertical rear axis to permit the user to conveniently mount or leave the chair without removing the tray.

FIGURE 1 is a perspective view of the present invention shown secured to a chair,

FIGURE 2 is a bottom plan view of the invention shown per se,

FIGURE 3 is an enlarged view taken on line 3—3 of FIGURE 2,

FIGURE 4 is a bottom plan view of the structure shown in FIGURE 3, and

FIGURE 5 is an enlarged cross sectional view taken on line 5—5 of FIGURE 2.

Referring now to the drawing in detail, the reference numeral **10** represents an improved tray attachable to a chair of an invalid according to the present invention wherein there is a flat tray member **11** mounted upon an understructure **12** that is removably secured in a frame **13** that is fastened to a support structure **14**.

The understructure **12** includes a front mount **15** and rear mount **16**. The front mount is comprised of a bracket **17** secured by screws **18** to the underside **19** of the tray, the bracket holding a transverse bar **20**. The rear mount **16** comprises a channel **21** secured by screws **22** to the tray underside **19**, a sliding rod **23** on each end of the channel and secured in selective position thereto by thumb screws **24**, each rod **23** supporting a slidable bar **25** having a hook **26** at its end for attachment to a swivel, each bar **25** being normally urged into retracted position by a tension spring **27**, and each rod **23** having a hook **28** at its end for clamping around an L-shaped channel **29** that forms a part of the frame **13**.

The frame channel **29** received in one end thereof an end of the bar **20**. A wing nut **30** secures the two together. The opposite end of the channel **29** receives an end of a rod **31** having a series of equally spaced openings **32** therein which are selectively engageable by a spring biased lever lock **33** mounted upon the channel **29**. The rod **31**

which forms a part of the frame **13** has an opposite end receivable within a channel **34** that forms a part of a hinge **35**; there being a ball pin fastener **36** for securing the rod **31** thereto. The hinge member includes a transverse channel **37** into which one end of a transverse support bar **38** is received. The bar **38** is secured by screws **39** or the like to the rear side **40** of a back rest **41** of a chair **42**.

In operative use the tray assembly **10** rests upon the arms **43** of the chair, and the tray may be upwardly tilted about the hinges **35** so to permit a person to move into or out of the chair. The tray may be disconnected from the supporting structure or the frame by means of the above described various thumb screws and the lever lock on each L-shaped channel.

While various changes may be made in the detail construction, it is understood that such changes will be within the spirit and scope of the present invention as is defined by the appended claims.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. In a tray attachable to a chair of an invalid, the combination of a flat tray member, an understructure mounted on the underside of said tray, said understructure being removably secured in a frame, said frame being fastened to a support structure that is securable to a rear side of a back rest of a chair and said tray being supported in a horizontal position by resting upon the arm rests of said chair, wherein said understructure comprises a front mount and a rear mount, said front mount comprising a transverse bar supported at its center in a bracket secured to said tray underside, and said rear mount comprises a channel secured to said underside, a sliding rod receivable within each end of said channel and secured thereto by a thumb screw, each slidable rod supporting a slidable bar having a hook at its end for attachment to a swivel, each bar being normally urged into a retracted position for securement with said swivel by means of a tension spring, each said bar having a hook for clamping around an L-shaped channel comprising a part of said frame.

2. The combination as set forth in claim **1** wherein said frame comprises a pair of said L-shaped channels, one end of each of said L-shaped channels receiving one end of said front mount transverse bar, and a pair of rods, one end of each of said rods being receivable within the other end of said L-shaped channel, each of said rods having a plurality of spaced apart openings engageable with a spring biased lever lock mounted on said L-shaped channel.

3. The combination as set forth in claim **2** wherein said support structure comprises a transverse bar, means for securing said transverse bar to a rear side of said seat back rest, the ends of said bar being receivable within a first channel forming an element of a hinge member, said hinge member having a second channel element for receiving therein the opposite end of said rod having said spaced apart openings, a thumb screw for securing said transverse bar in said first channel and a ballpin fastener for securing said rod having said spaced apart openings within said second channel of said hinge member.

References Cited

UNITED STATES PATENTS

727,866	5/1903	Washburn	297—154 X
1,361,504	12/1920	Snideman	297—154 X
2,478,280	8/1949	Kroll et al.	297—151
2,532,556	12/1950	Keough	297—150
3,123,397	3/1964	Murcott	297—150
3,146,738	9/1964	Telarico.	

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