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DRAWING TABLE TRAY ATTACHMENT

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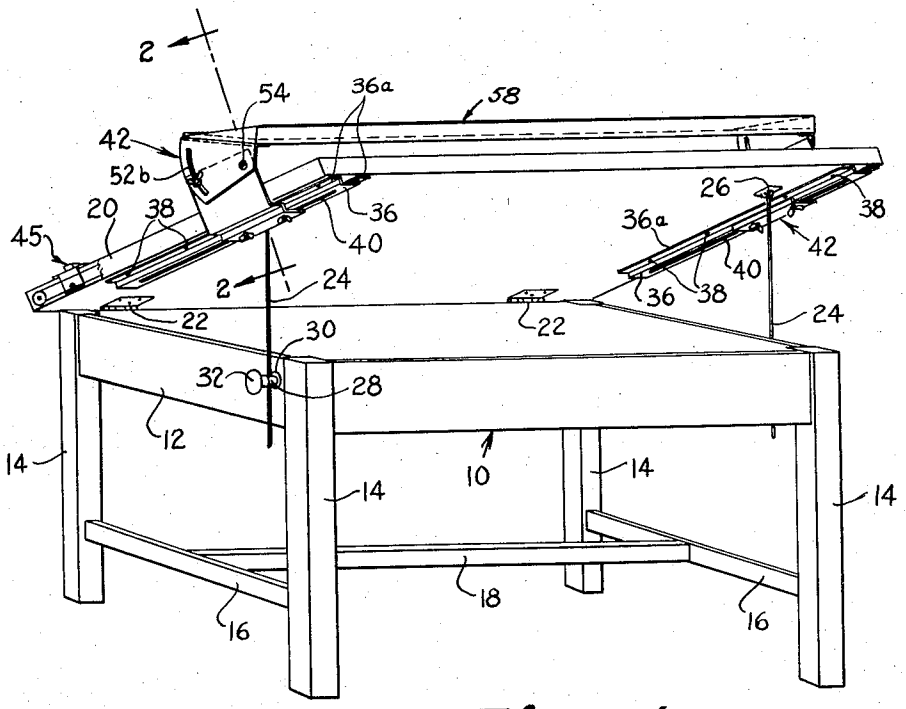


Fig. 1.

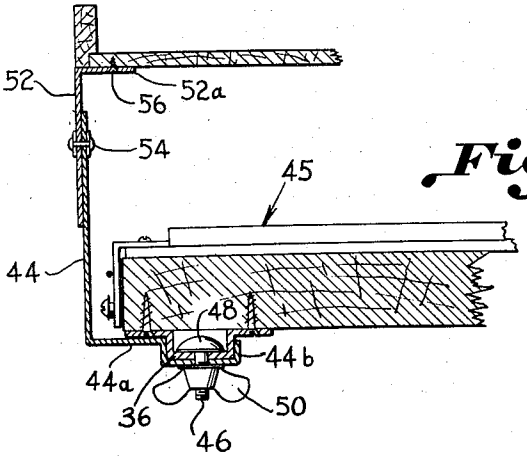


Fig. 2.

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DRAWING TABLE TRAY ATTACHMENT

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5 Claims. (Cl. 45—131)

This invention relates to attachments for drawing tables to aid the draftsman or designer and more particularly to an adjustable tray which may be adjustably positioned with respect to the table and the level of the tray may be adjusted according to the level of the table.

Considerable time and effort is presently expended by draftsmen and designers in locating and keeping track of the various drawing instruments and devices such as the instruments themselves, handbooks, erasers, triangles and other aids to the draftsman. It is necessary for a designer, for example, to make constant reference to various handbooks containing data relating to the material employed which is necessary in the design of structural members from the particular materials so that the structural parts designed may meet the loading and other conditions required. Generally, the table top is tilted upwardly away from the draftsman so that ready access may be had to the work. The necessity for constant reference to handbooks and the relatively large number of instruments and other paraphernalia employed by the draftsman and designer makes for confusion and only makeshift efforts have been employed in the past to effect a systematic way of maintaining convenient access to all this equipment.

Accordingly, it is an object of this invention to provide a tray which would contain the various paraphernalia of the draftsman so that ready access may be had to these devices and so that the tray could be moved to any desired location with respect to the drafting table.

Another object of this invention is to provide an adjustable instrument holding device for a drawing table which may be particularly adapted to be employed with a drawing table having a tiltably adjustable top so that the tray may be adjustably positioned with respect to the table and the level of the tray adjusted according to the tilted position of the table.

Another object of this invention is to provide an adjustable instrument holding device for a drawing table having a tiltably adjustable top consisting essentially of a trackway adjacent and in alignment with each side of the drawing table. A bracket assembly is slidably carried by each of the trackways, the bracket assemblies extending above the drawing table. An elongated tray is positioned between each of the brackets. The bracket assemblies include means for tiltably adjusting the tray and means for adjusting the position of the tray with respect to the table.

I accomplish these and other objects of my invention by providing an adjustable instrument holding device for a drawing table having a tiltably adjustable top comprising an elongated member having an elongated, longitudinal slot therein, secured adjacent and in alignment with each of the side edges of the table, a first bracket slidably positioned on each of said members projecting above the table, threadable means carried by said first brackets and slidably positioned within the slots so that the threadable means may be tightened to fit the position of the brackets with respect to the slots, a second bracket pivotally carried by each of said first brackets and an elongated tray

secured between said second brackets and threadable means carried by said first brackets permitting tiltable adjustment of the tray, so that the tray may be adjustably positioned with respect to the table and so that the level of the tray may be adjusted to correspond to the table.

While some of the objects of the invention have been stated above, others will become apparent to those skilled in the art relating to drafting tables when the specification is read in connection with the accompanying drawing in which:

Fig. 1 is a perspective view looking from the rear of a drafting table having a tiltably adjustable top, and

Fig. 2 is a sectional view taken substantially along the line 2—2 in Fig. 1.

Referring more particularly to the drawings, the numeral **10** broadly designates a drafting table having a rectangular top frame **12** and four legs **14** located at each of the corners of the rectangular frame **12**. These legs are suitably supported by a pair of parallel side supports **16** and a longitudinal support **18**. It will be noted that a tiltably adjustable top **20** is provided for the table **10** and is pivoted as by the hinges **22** to the front of the table **10**. The rear edge of the top **20** is maintained and elevated in an elevated position by the rod **24** which is pivotally attached to the top **20** as at **26**, the lower portion of the rod being adjustably secured by passing the rod through an internally threaded sleeve **28** which is suitably secured to the table as at **30** and providing a threaded member **32** which may be screwed into the sleeve **28** to bear against the rod **24**.

It will be noted that a pair of parallel channel members **36** are positioned one adjacent each edge of the table top **20** by securing the flanges **36***a* to the table as by screws **38**. The channel members **36** are each provided with an elongated longitudinal slot **40**. These channel members serve as guides or trackways for positioning the various parts of the device to be described below, with respect to the table.

A pair of bracket assemblies broadly designated at **42** are adapted to be slidably carried by the members **36**. The bracket assemblies consist essentially of first brackets **44** which project above the table and are provided with inwardly projecting legs **44***a* having channel portions **44***b* adapted to engage the channel members **36** carried thereby. The channel members **36** carry threaded elements **46** which are provided with heads **48**. Wing nuts **50** are threaded on to the elements **46** so that by tightening the wing nuts the brackets **44** may be held in fixed relation to the channel members **36**. It will be noted that the brackets **44** project beyond the edge of the table top **20** so that the edge of a straight edge assembly **45** may pass under the tray **58**.

A second pair of brackets **52** are pivotally carried as at **54** by the first brackets and are provided with inwardly projecting flanges **52***a* to which a somewhat shallow tray **58** is secured as by the screws **56**. The brackets **52** are provided with arcuate slots **52***b* opposite the pivot points **54** and threaded elements **58** are carried by the first brackets **44** and extend through the arcuate slots **52***b* and are provided with wing nuts **60** which may be tightened to position the brackets **52** with respect to the brackets **44** and thus adjust the level of the elongated tray **58**.

It is thus seen that by loosening the wing nuts **50** the tray and bracket assemblies **42** may be adjusted with respect to the table so that articles held thereby may be conveniently used by the draftsman or designer. By loosening the wing nuts **60** the level of the tray may be adjusted so as to accommodate any tilted position of the table top. It will be further noted that the front portion of the tray is cut away so that the tray may be easily cleaned.

While a preferred embodiment of my invention has

been described using specific terms, such description is for illustrative purposes only, and it is to be understood that changes and variations may be made without departing from the spirit or scope of the invention as defined by the appended claims.

I claim as my invention:

1. An adjustable instrument holding device for a drawing table comprising a trackway secured adjacent and in alignment with each of the side edges of the drawing table, a bracket assembly slidably carried by each of the trackways, said bracket assemblies extending above the drawing table, an elongated tray carried adjacent the top of the brackets, said bracket assemblies including means for tiltably adjusting the tray and means for adjusting the position of the tray with respect to the trackways.

2. An adjustable instrument holding device as set forth in claim 1, in which said trackways comprise an elongated channel member having an elongated longitudinal slot therein and threadable means slidable in said trackways for adjustably positioning said brackets with respect to the trackways.

3. An adjustable instrument holding device as set forth in claim 1, in which said bracket assemblies comprise an upwardly projecting portion carried by each of said trackways. A second portion pivotally carried by each of said upwardly projecting portions for carrying the tray and threadable means for adjustably positioning said second bracket with respect to said upwardly projecting portions.

4. An adjustable instrument holding device for a drawing table having a tiltably adjustable top comprising an elongated member, having an elongated longitudinal slot therein, secured adjacent and in alignment with each of

the side edges of the table, a first bracket slidably positioned on each of said members projecting above the table, threadable means carried by said first brackets and slidably positioned within the slots, a second bracket pivotally carried by each of said first brackets, an elongated tray secured between said second brackets and threadable means carried by said first brackets permitting tiltable adjustment of the tray, whereby the tray may be adjustably positioned with respect to the table, and whereby the level of the tray may be adjusted to correspond to the table.

5. An adjustable instrument holding device as set forth in claim 4, in which said first brackets are spaced from the edges of the top sufficiently to allow a straight edge to pass and in which the front portion of the tray is cut away to make for easy access in cleaning.

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