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M. CHABON

2,256,372

DRAFTING BOARD HOLDER

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FIG. 1

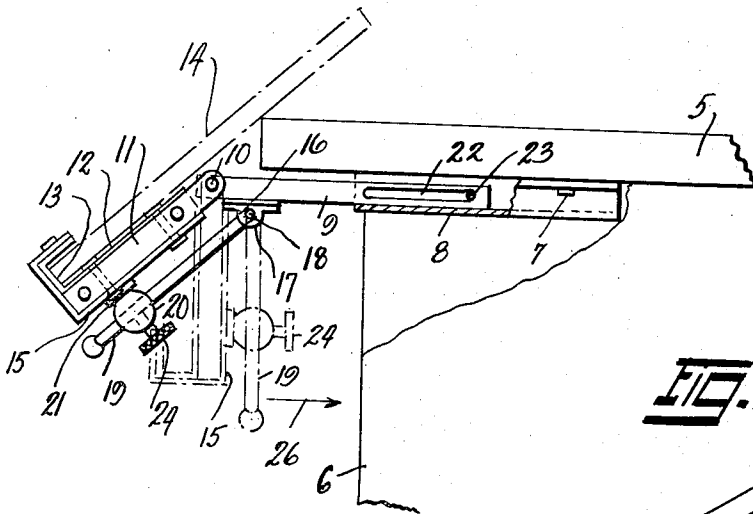


FIG. 2

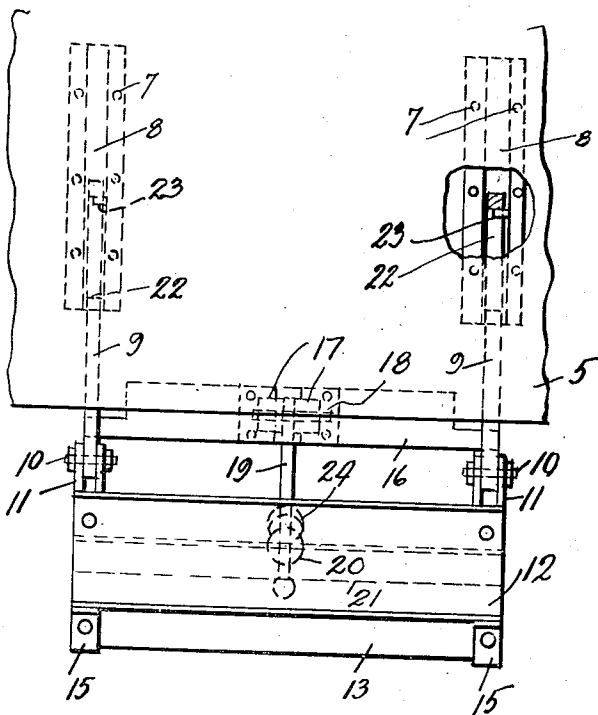


FIG. 3

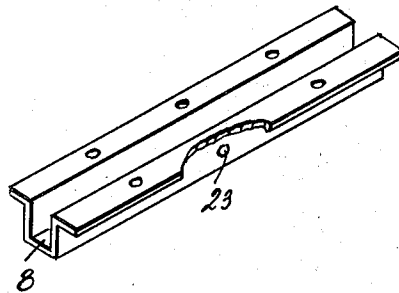
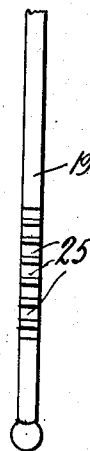


FIG. 4



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DRAFTING BOARD HOLDER

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3 Claims. (Cl. 45—131)

This invention relates to drafting-board holders, and has for one of its objects the provision of such a holder which is readily adaptable to be secured to an existing standard work-bench or table without in any way necessitating changes of construction of the said work-bench or table.

Another object of the invention is the provision of such a drafting-board holder which is tiltable for use at any desired angle and which when not in use, may be swung down and slid out of the way, under the table top, so that the work-bench or table may be used for other purposes.

A further object of the invention is the provision of such a device which is especially and ideally suited for small school shops where space is at a premium, as with the use of this device, the same class-room may be used, for instance, for a woodworking class and a drawing class without the necessity of providing both different furniture and different rooms for the said classes.

Another object is to produce a device of the character described in which the maximum simplicity of construction and operation is secured.

Other objects and advantages will appear as the nature of the improvements is better understood, the invention consisting substantially in the novel arrangement and co-relation of parts herein fully described and illustrated in the accompanying drawing, wherein similar reference characters are used to describe corresponding parts throughout the several views, and then finally pointed out and specifically defined and indicated in the appended claims.

The disclosure made the basis of exemplifying the present inventive concept suggests a practical embodiment thereof, but the invention is not to be restricted to the exact details of this disclosure, and the latter, therefore, is to be understood from an illustrative, rather than a restrictive standpoint.

The inventive idea involved is capable of receiving a variety of mechanical expressions, one of which, for the purpose of illustration, is shown in the accompanying drawing, in which—

Figure 1 is a fragmental side view of a work-table showing my device as applied thereto, a portion thereof being partly broken away; Fig. 2 is a top plan view thereof partly broken away;

Fig. 3 is a perspective view of one of the slideways in which the holder is adapted to slide and

Fig. 4 is a fragmental side view of the swingable guide rod against which the device is tight-

ened for maintaining same in adjusted angular position.

Referring now to the drawing in detail, 5 indicates the top of a table or work-bench 6, to the underside of which there are secured, by means of screws or bolts 7, a pair of spaced apart slideways 8. Slidably supported in each of the said slideways 8 is a bar or runner 9, to the extreme forward end of which there is pivotally secured, by means of a pivot pin or bolt 10, a bifurcated arm 11 which arm forms a support for a metallic platform 12 having an upturned substantially U-shaped lower end 13 to provide a rest or support for a drawing-board 14. The end edges of the frame or casement may be reinforced by bars 15.

Secured to the underside of the runners 9 is a cross bar 16 to which there may be in turn secured a pair of bearings 17 which pivotally support at 18 one end of a rod 19. The said rod 19 is slidably supported near its other end in a guide 20 carried by a cross bar 21 at the rear of the drawing-board platform or support. One or both of the runners 9 may be provided with an elongated slot 22 into which extends a pin 23 secured in one of the side walls of the slideways 8.

In Fig. 1 the device is shown in drawing position in full lines. When in said position a thumb-screw 24 is tightened against the rod 19 to maintain the device in said position; flattened areas 25 on the rod 19 insure a tight grip or hold of the thumb-screw 22 against the said rod.

To slide the drawing-board holder out of view under the table top 5, the drawing board, if it be a wide one, is removed from the holder, the screw 24 is loosened to permit the device to swing down upon its pivots 10 and 18 to assume the dot-and-dash position (Fig. 1) and is then slid inwardly in the direction of the arrow 26 until the pin 23 comes in contact with the left hand end of the slot 22.

From the foregoing it will be seen that I have provided a drawing-board holder which is simple in construction, that will withstand rough usage by school boys, and which may be secured to the underside of any standard work-bench or table, said holder being tiltable to any desired angle for use, and may be slid out of view under the table top when not in use. It will also be understood that instead of using the device as a drawing-board holder it may be used as a book rest or other similar article.

Having described my invention what I claim

as new and desire to secure by Letters Patent is:

1. In a device of the nature described, a slideway adapted to be secured to the underside of a table top, a runner slidably mounted therein, the said runner being provided with an elongated slot, means on the slideway extending into the runner slot for limiting the movement of the said runner in the said slideway, a supporting platform pivotally mounted at the front of the runner, a pivotally mounted rod carried by the runner spaced rearwardly of the platform, a guide on the platform through which the rod slidably passes, and screw means for tightening the rod in the guide.

2. A drafting-board holder adapted to be supported at the underside of a table top so that it may be slid thereunder out of view when not in use, said holder comprising a pair of slideways adapted to be secured to the underside of the table top in parallel spaced apart relation, a runner slidably mounted in each of the said slideways, a drafting board supporting frame

tiltably pivoted at the forward end of the runners, a guide carried by the supporting frame, a pivotally mounted rod carried by the runners spaced rearwardly of the platform, said rod passing slidably through the guide, and means for tightening the rod in the guide when in desired tilted position.

3. A drafting-board holder adapted to be supported at the underside of a table top so that it may be slid thereunder out of view when not in use, said holder comprising a pair of slideways adapted to be secured to the underside of the table top in parallel spaced apart relation, a runner slidably mounted in each of the said slideways, a drafting-board supporting frame tiltably pivoted at the forward end of the runners, a guide carried by the supporting frame, a pivotally mounted rod carried by the runners spaced rearwardly of the platform, said rod passing slidably through the guide, and means for limiting the movement of the runners in the slideways.

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