

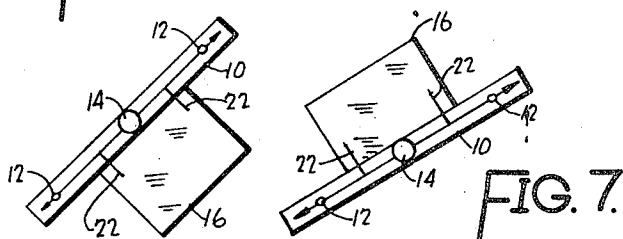
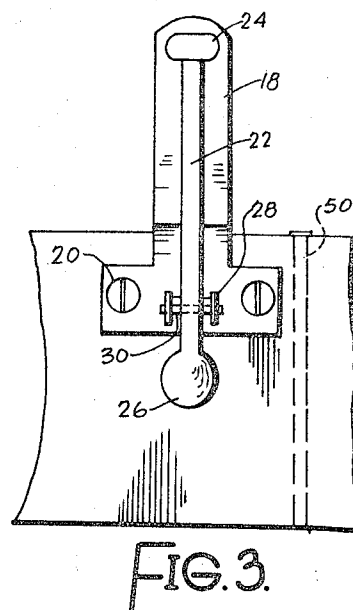
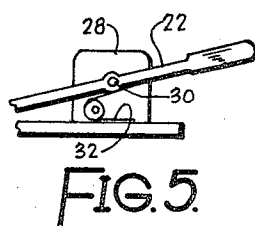
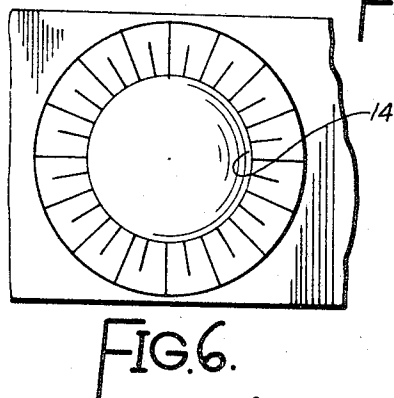
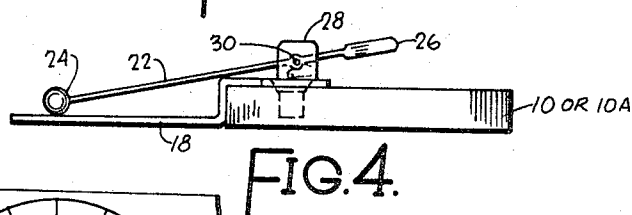
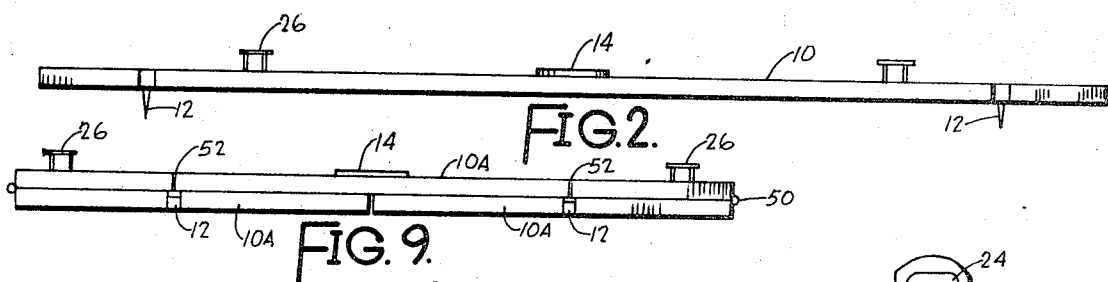
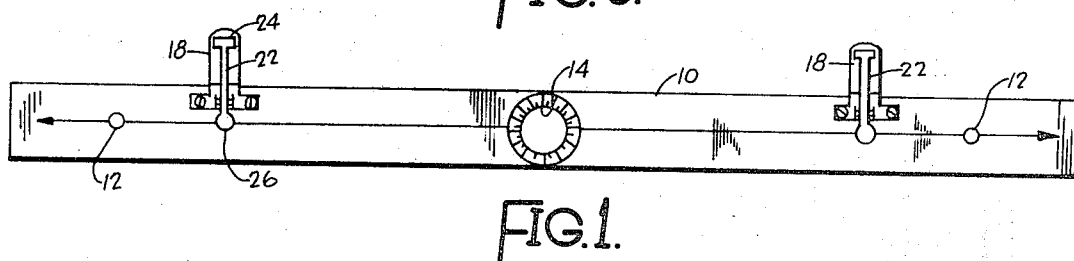
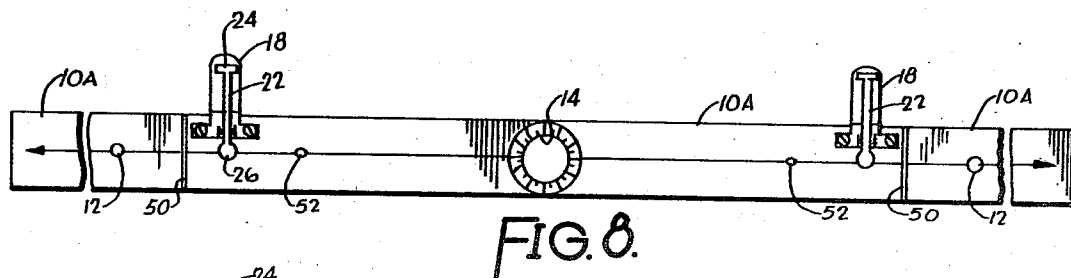
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3,551,958

INSTRUMENT FOR DRAFTING BOARD TABLE

Filed Sept. 17, 1968



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3,551,958

INSTRUMENT FOR DRAFTING BOARD TABLE

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4 Claims

ABSTRACT OF THE DISCLOSURE

An instrument for use on drafting board tables which can be used to hold the work sheet (upon which the drawings are made) detachably in place, while eliminating thumb tack holes in both the work sheet and the work area on the table.

SUMMARY OF THE INVENTION

My instrument is a flat member having means for detachably securing the member to the board in any horizontal, vertical or angular position. The member is provided with separate clamping means for detachably holding the work sheet in locked position against the desired work area of the table. If desired, the member can be constituted by hinged sections which can be folded upon themselves to render the member more easily portable.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. 1 is a top view of one form of my invention;

FIG. 2 is a side view thereof;

FIG. 3 is an enlarged detail view of a work sheet holding clamp used in my invention;

FIG. 4 is a side view of the clamp;

FIG. 5 is an enlarged detail side view of the clamp showing structure not shown in FIG. 4;

FIG. 6 is an enlarged view of the degree gauge dial used in my invention;

FIG. 7 shows my invention in use at various angles;

FIG. 8 is a top view of a modification of my invention; and

FIG. 9 is a side view of the modification of FIG. 8 in folded position.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring now to FIGS. 1-7, an elongated flat member 10 has vertically downwardly extending pins 12 disposed adjacent each of its opposite ends. The pins are adapted to be detachably secured into the surface of a drafting board table, and, when secured, hold the member in any desired position on this surface. The member 10 has a degree gauge dial 14 on the top center thereon to measure its angular orientation, as for example when in the position of FIG. 7.

The member has two sets of work sheet holding clamping means for holding sheet 16 in place. Each such means includes a narrow bracket 18 secured to the member 10 by screws 20 and extending outward and downward from the member at right angles to the direction of elongation thereof to contact the surface of the table.

An elongated arm 22 has a ball 24 at one end adapted to rest on top of that portion of the bracket in contact with the table and has a knob 26 at the other end. A U-shaped member 28 extending upward from the portion

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of the bracket overlying the member supports a horizontal pin 30 which extends through the arm 22 transversely to the direction of elongation to pivotally support the arm. Tension spring 32 disposed below the arm adjacent the pin biases ball 24 downward against the bracket to hold the work sheet in place. This tension can be manually released by pressing downward on knob 26.

FIGS. 8 and 9 show a modification wherein the member is made of sections 10A hingedly secured together at 50, whereby the sections can be folded together. Mating sections have pin receiving recesses 52 adapted to receive pins 12 to permit complete folding.

While I have described my invention with particular reference to the drawings, such is not to be considered as limiting its actual scope.

Having thus described this invention, what is asserted as new is:

1. An instrument for holding detachably a work sheet on a surface, said instrument comprising:

an elongated longitudinally sectioned, laterally foldable member;

first and second securing means secured to said member adjacent the respective ends thereof in the extended position of said member to a detachably secure said member to said surface, each said securing means including a sharply pointed pin extending from the portion of said member adjacent said surface adapted to penetrate said surface; and

first and second work sheet clamping devices secured to said member adjacent respective first and second securing means, each device being adapted to detachably hold said sheet in position on said surface, said sections being hingedly connected so as to be foldable against themselves and having recesses therethrough positioned to receive said securing means when said sections are folded upon each other to permit said sections to be folded flush.

2. An instrument as set forth in claim 1 wherein said member is provided with a plurality of hingedly connected sections foldable upon each other.

3. An instrument as set forth in claim 1 wherein each device includes an arm pivotally supported intermediate its ends and having one end spring biased into position on top of said sheet.

4. An instrument as set forth in claim 3 wherein each device includes a bracket secured to said member and extending outward therefrom.

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DONALD A. GRIFFIN, Primary Examiner

U.S. Cl. X.R.

33—105