

March 3, 1936.

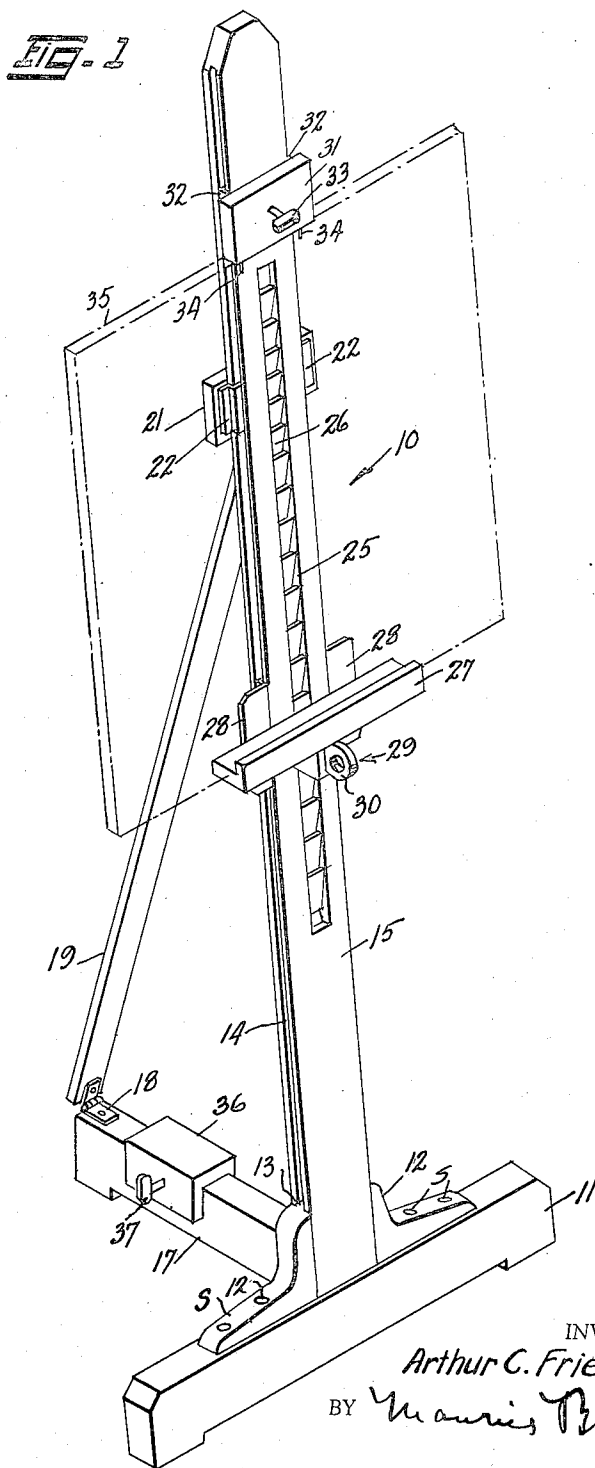
A. C. FRIEDRICHS

2,032,872

EASEL

Filed July 18, 1935

2 Sheets-Sheet 1



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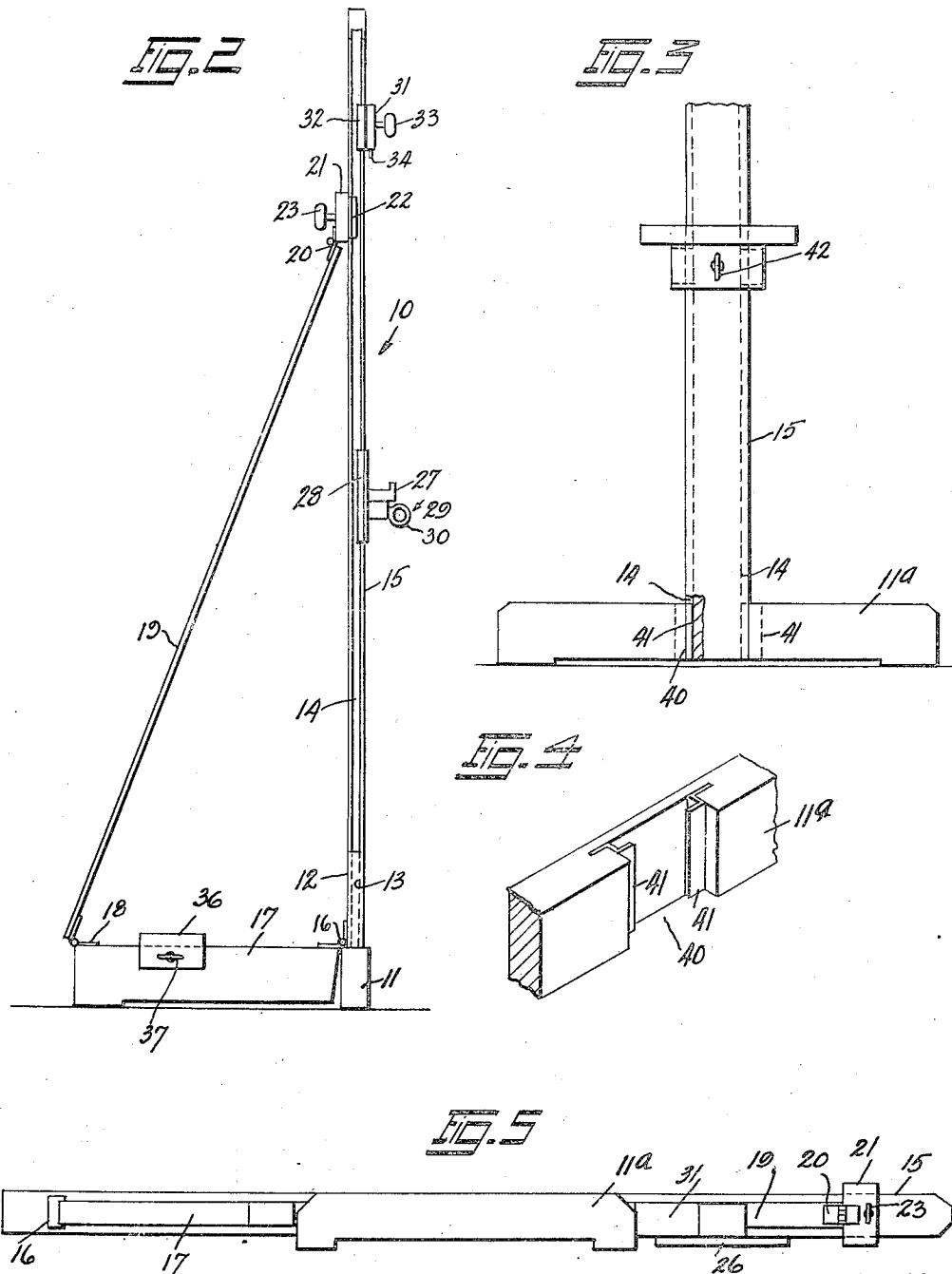
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## UNITED STATES PATENT OFFICE

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EASEL

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3 Claims. (Cl. 248—195)

This invention relates to easels and has for one of its objects the provision of such a device which may be readily disassembled and folded up to occupy a minimum amount of space for shipping and storing purposes.

Another object of the invention is the provision of an easel provided with a shiftable weight at the base thereof, so that the said weight may be moved or adjusted to prevent tipping over of the easel when same is erect, or is tilted slightly forward.

A further object of the invention is the provision of an artist's easel having an adjustably mounted tray on which a canvas frame may be supported and held in position, and means for securing the said tray and maintaining same in adjusted position.

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 drawings, 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 invention 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 drawings, in which—

Fig. 1 is a perspective view of one form of my improved easel;

Fig. 2 is a side view thereof;

Fig. 3 is a fragmental front view of a modified form of the invention;

Fig. 4 is a fragmental perspective view of the main supporting foot shown in Fig. 3, and

Fig. 5 is a view showing the said easel in folded up position ready for packing.

Referring now to Figs. 1 and 2 of the drawings in detail, 10 indicates an artist's tiltable and foldable easel, comprising a main supporting rail or foot 11, to which are secured a pair of spaced apart upright brackets 12, each provided with a

tongue 13, which tongues fit into grooves 14, in the side edges of an upright bar 15. The aforementioned construction provides means for removably maintaining the upright bar 15 between the tongue or slide-carrying brackets 12. Secured to the lower rear end of the said bar is one end of a hinge 16, the opposite end of which is secured to an auxiliary supporting rail or foot 17, disposed at right angles to the main foot 11. One end of a hinge 18 is secured to the rear of the foot 17, the opposite end of the said hinge being secured to the bottom of a rear bar 19, which is provided at the top thereof with a hinge 20 which is also secured to a short cross bar 21, provided with slides 22 which extend into and are slidably maintained in the grooves 14. The said cross bar 21 may be maintained in adjusted position by means of a thumb screw 23.

The front of the bar 15 is provided with a depression or groove 25 in which there is secured a toothed rack bar 26. A tray 27 is slidably mounted on the bar 15 by means of slides 28 which extend into the grooves 14 and by means of a spring pressed plunger 29, one end of which is adapted to engage the teeth of the rack bar 26. By pulling on the front or finger piece 30 of the plunger 29, the same may be disengaged from the rack bar 26 and the tray may be moved up or down as desired. No detail construction of the plunger 29 is shown as it may be of any well known conventional form. A short cross bar 31 provided with slides 32 which enter the grooves 14 is releasably secured to the bar 15 above the tray 27 by means of a thumb screw 33. The said cross bar 31 may be provided at the bottom edge thereof with pins 34, adapted to be forced into the canvas supporting frame 35 and held against movement or accidental displacement.

Slidably mounted on the auxiliary foot 17 is a weight 36, which acts to prevent the easel from toppling over when the front bar 15 is erect or tilted slightly forward. A screw 37 maintains the said weight in adjusted position. By loosening the screw 23 the rear cross bar 21 may be moved up or down, thus tilting the easel so that the bar 15 will assume any desired angular position.

In Figs. 3 and 4 of the drawings, I have shown a modified form of my invention wherein the front or main foot 11a is provided with a cut-out 40, wherein there are secured a pair of spaced apart slides or tongued members 41 which extend into the grooves 14 to slidably or removably maintain the bar 15 therein, the said bar in this instance being minus the rack 26, and the tray 26 is slidably

mounted on the bar 15 and secured in adjusted position by a thumb screw 42.

8 In Fig. 5 I have shown the said form of my invention in disassembled position ready for shipping the parts being so arranged as to occupy the minimum of space.

10 It is to be understood that the form of my invention shown in Figs. 1 and 2 may be similarly disassembled and the parts arranged to make a neat and compact package for shipping. In shipping this form of the easel, the brackets 12 may be left on the foot 11 or they may be removed by removing the securing screws S.

15 From the foregoing it will be seen that I have provided a tiltable artist's easel which may be adjusted to assume any desired angular position and provided with means to prevent same from falling over when erect or leaning forward. It will further be seen that the said easel may be readily disassembled and packed to form a neat and compact package for shipping or storing purposes.

20 Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In an easel, a front supporting foot, an upright bar readily removably maintained on the said foot, an auxiliary foot hingedly connected at one end thereof to the bottom of the upright bar, a cross bar slidable on the said bar, and a rear bar hingedly connected to the opposite end of the auxiliary foot and to the cross bar. 5

2. In an easel, a front supporting foot, an upright bar readily removably maintained on the said foot, an auxiliary foot hingedly connected at one end thereof to the bottom of the upright bar, a weight slidable on the said auxiliary foot, a cross bar slidable on the said bar, and a rear bar hingedly connected to the opposite end of the auxiliary foot and to the cross bar. 10 15

3. In an easel, a supporting foot, a pair of spaced apart brackets on the said foot, a tongue on each of the said brackets, an upright bar having grooves at its side edges into which the tongues extend, a cross bar at the rear of the upright bar slidable in the grooves thereof, and a foldable means hingedly connected to the rear of the supporting foot and to the cross bar. 20

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