(No Model.)

W. F. LAMB.

ADJUSTABLE EASEL.

No. 261,000. Patented July 11, 1882.

Fig: 1.

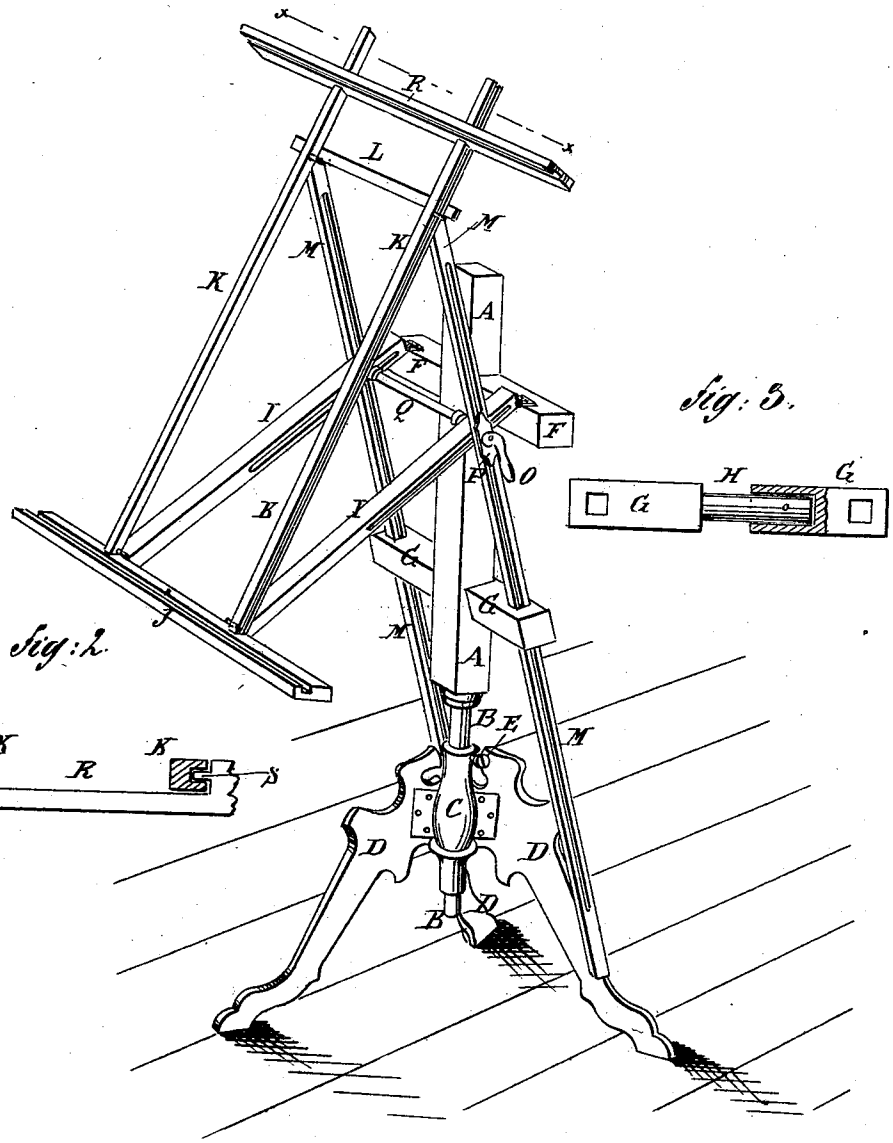


Fig: 3.

Fig: 2.

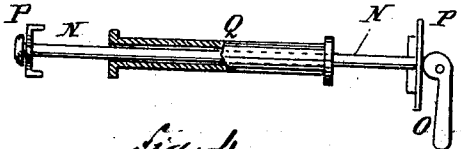


Fig: 4.

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ADJUSTABLE EASEL.

SPECIFICATION forming part of Letters Patent No. 261,000, dated July 11, 1882.

Application filed April 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, WATSON F. LAMB, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Adjustable Easels, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improvement. Fig. 2 is a sectional plan view of a part of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a plan view, partly in section, of the guide-roller. Fig. 4 is a plan view, partly in section, of the clamping-rod, cam, and sleeve.

The object of this invention is to promote convenience in the use of easels.

The invention consists in an adjustable easel constructed with a standard having cross-bar and roller, and adjustably secured to a pedestal, and a work-supporting frame provided with a sliding top board for holding the work in place. The work-supporting frame is connected with the cross-bar of the standard by a pair of hinged bars and with the roller by a pair of hinged sliding bars, the said connecting-bars being slotted longitudinally to receive a rod provided with a sleeve interposed between the said bars, and with a lever-cam hinged to one end for clamping the said connecting-bars in place, as will be hereinafter fully described.

A represents a standard having a round tenon, B, formed upon its lower end to fit into a socket, C, which has legs D attached to it, to form a pedestal to support the easel. The tenon B is adjustably secured in place in the socket C by a set-screw, E, or other suitable means. The standard A is provided with two cross-bars, the upper one, F, of which is stationary, and is halved or otherwise secured to the said standard. The lower cross-bar, G, has a journal, H, formed upon its middle part to work in a bearing in the standard A. The cross-bar or roller G can be made in two parts, the one part having the journal H formed as a round tenon upon its end and the other part having a perforation in its end to receive the said tenon, upon which it is secured by a set-screw or other suitable means. With this construction the roller G is applied to the standard A by separating its parts, passing the journal H through a perforation in the said standard, and placing the other part of the roller upon the end of the said journal and securing it in place by a set-screw; or the roller G can be made in one piece, the journal H being formed upon its middle part. In this case the journal H is inserted in a half-bearing formed in a recess in the standard A, and secured in place by a half-bearing fitted into and secured in the said recess.

To the end parts of the cross-bar F are hinged the upper ends of two bars, I, the lower ends of which are hinged to the base-board J, or to the lower parts of the bars K, attached at their lower ends to the said base-board. To the upper parts of the bars K, or to a cross-bar, L, attached to the rear sides of the said bars K, are hinged the upper ends of two bars, M, which are made long and pass down through perforations in the end parts of the roller G. The bars I and M cross each other and have longitudinal slots formed in them to receive the rod N, which has a head upon one end and a lever-cam, O, hinged to its other end.

Upon the end parts of the rod N are placed washers P, which rest against the outer sides of the bars M, and have lugs, ribs, or flanges upon their inner sides to enter the slots or rest against the sides of the said bars M to prevent the said washers from turning. Upon the middle part of the rod N is placed a sleeve, Q, the ends of which are flanged and rest against the inner sides of the hinged bars I. With this construction, by loosening the cam O the bars M and I can be moved up and down to adjust the bars K at any desired inclination or into a horizontal position, as the work to be done may require.

The forward part of the upper side of the base-board J is grooved to receive the lower edge of a drawing-board, canvas-frame, or other work to be held, and which is kept in place upon the base-board J and bars K by the top board, R. The middle rear part of the top board, R, is cut away, leaving tongues S upon the shoulders thus formed to enter grooves in the outer sides of the bars K to keep the said top board in place and allow it

to be moved up and down freely to adjust it to the work to be held, the said top board being grooved upon the under side of its forward part to receive the upper end of a drawing-board, canvas-frame, or other work to keep the said work in place.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An adjustable easel constructed substantially as herein shown and described, and consisting of the pedestal C D, the standard A, having cross-bar F and roller G, the hinged and slotted bars M I and their clamping-rod, cam, and sleeve, and the work-supporting frame J K, having movable top board, R, as set forth.

2. In an adjustable easel, the combination, with the standard A, having cross-bar F and roller G, and the work-supporting frame J K, of the hinged crossed bars M I and the clamping-rod N, cam O, and sleeve Q, substantially as herein shown and described, whereby the work-supporting frame can be adjusted in any desired position, as set forth.

3. In an adjustable easel, the combination, with the hinged, crossed, and slotted supporting-bars M I, of the rod N, having hinged cam O at one end, and the sleeve Q, substantially as herein shown and described, whereby said bars can be readily secured in place, as set forth.

4. In an adjustable easel, the combination, with the adjustable and grooved side bars, K, of the work-supporting frame, of the sliding shouldered top board, R, having tongues S formed on its shoulders, substantially as herein shown and described, whereby the work will be held in place, as set forth.

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Witnesses:
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