2 Sheets—Sheet 1.

I. WILKINS, Jr.

Easel.

No. 226,139 Patented Mar. 30, 1880.

Fig. 1

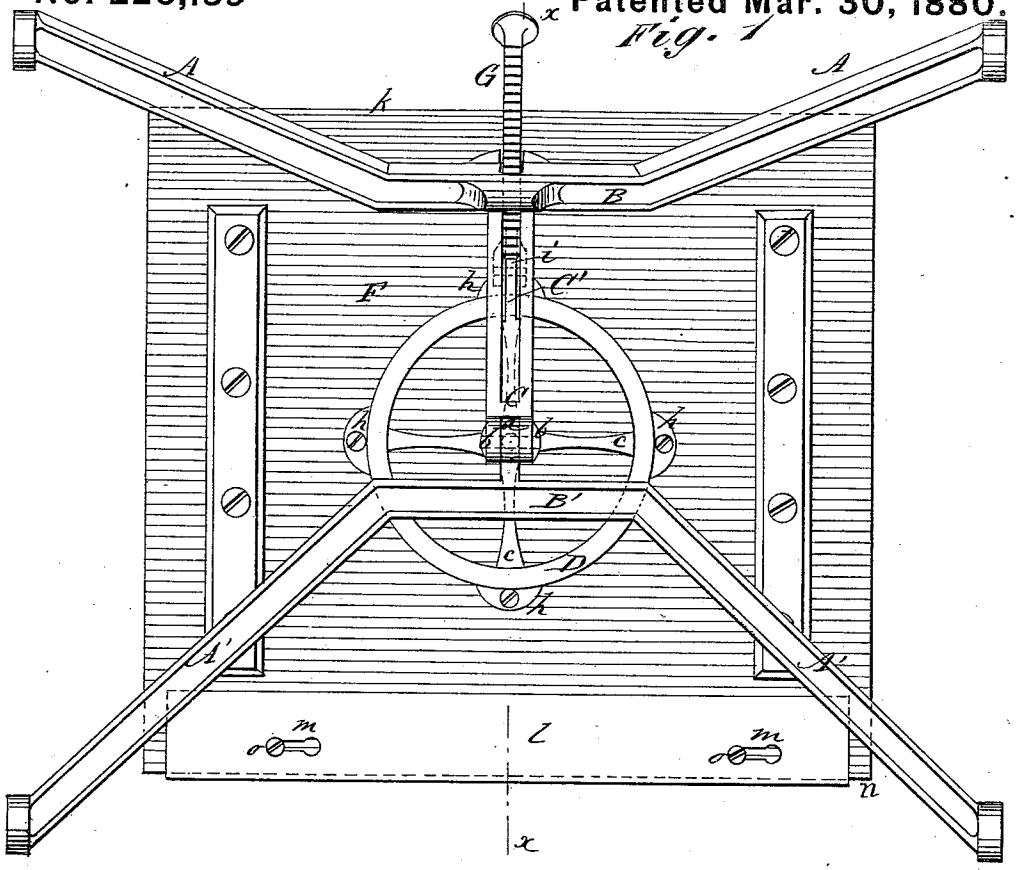
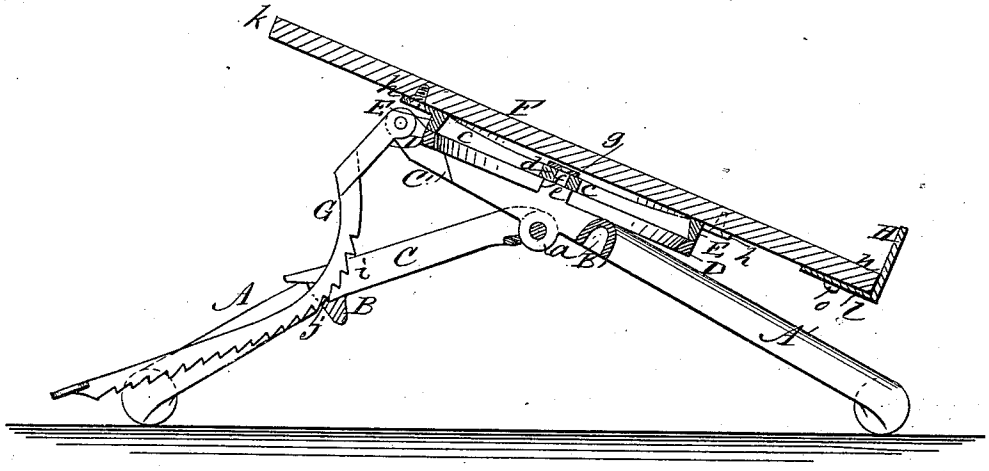


Fig. 2



WITNESSES:

C. Neveux

E. Sedgwick

INVENTOR:

I. Wilkens Jr.

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

2 Sheets—Sheet 2.

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Fig. 3

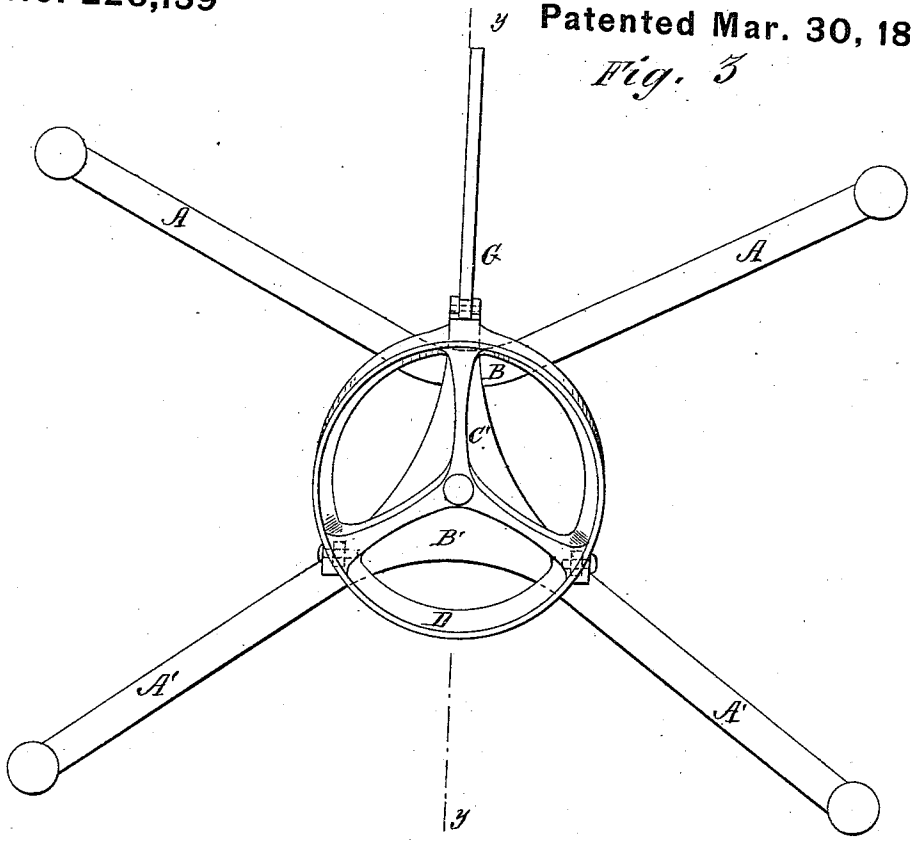
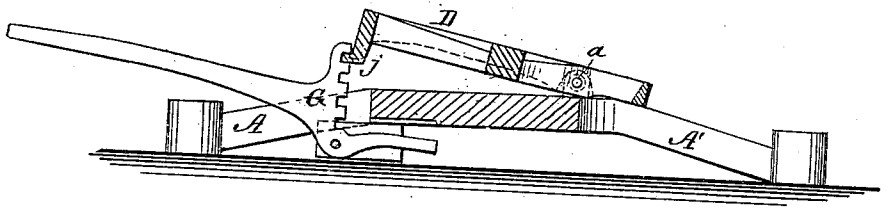


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

ISAAC WILKINS, JR., OF GREEN POINT, NEW YORK.

EASEL.

SPECIFICATION forming part of Letters Patent No. 226,139, dated March 30, 1880.

Application filed November 17, 1879.

To all whom it may concern:

Be it known that I, ISAAC WILKINS, Jr., of Green Point, in the county of Kings and State of New York, have invented a new and Improved Easel, of which the following is a specification.

The object of my invention is to provide an easel for holding drawing-boards and other similar articles, which is so arranged that the board or other article can be set in a horizontal position, or at any desired inclination, and can also be revolved so as to present the drawing or other object in different positions for the purpose of facilitating the work on said object.

In the accompanying drawings, Figure 1 is a plan of the under side of my improved easel. Fig. 2 is a vertical cross-section of the same, taken on line *x x* of Fig. 1. Fig. 3 is a modified arrangement of my improved easel; and Fig. 4 is a vertical cross-section of the modified easel, taken on line *y y* of Fig. 3.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A and A′ A′ are legs connected at obtuse angles to bars B B′, respectively. From the middle of bar B a slotted bar, C, projects at right angles, and from the middle part of bar B′ a solid bar, C′, projects also at right angles. From the under side of bar C′ an ear, *a*, depends, which is inserted between the jaws *b b* on the end of slotted bar C, and is pivoted therein. In this manner the bars B B′ and their respective legs A A′ are connected together, but in such a way that they turn freely on their pivoted connection.

D is a stationary ring, placed on top of bars B′ C′, with its center immediately over ear *a*.

E is a movable ring, provided with diametrically-placed cross-bars *c c*, at the junction whereof, in the center of the ring E, is a hole, *d*. On the upper side of bar C′, at the center of stationary ring D, is a stud, *e*, with a pivot, *f*, projecting upward from it. The ring E is placed on top of ring D, the pivot *f* is passed through the hole *d*, and the cross-bars *c* bear on top of the stud *e*. A nut, *g*, is screwed on pivot *f* over the cross-bars, so as to fasten the ring in place. At the same time ring E revolves freely on its bearings on the ring D and stud *e*.

From the periphery of ring E project ears *h*, provided with holes for screws. The drawing-board F is placed on top of revolving ring E, and secured thereto by screws passed through ears *h*, whereby said drawing-board is securely connected with ring E and revolves with it.

To the end of bar C′ is pivoted a toothed curved pawl, G, which hangs down in the slot *i* in bar C, and its toothed edge rests on a knife-edged bar, *j*, connecting the two sides of bar B at the bottom of the slot *i*, as shown more fully in Fig. 2.

By the teeth of pawl G engaging the knife-edge *j* said pawl sustains the bar C′ at any desired inclination, and with it the rings D E and drawing-board F. To put the board in a horizontal position the pawl is disengaged from knife-edge *j*. This allows the bar C′ to fall into the slot *i*, and the ring D, resting on the slotted bar C, sustains the bars B B′, and with them the rings D E and board F, in a horizontal plane. To incline the board F, catch it by its farther edge *k* and raise said edge up. This causes slotted bar C to turn on its pivotal connection with bar C′, and bar C′, as it moves up, draws pawl G with it, and the teeth of said pawl slip freely in this direction over the knife-edge *j*; but when the proper inclination is reached the pawl is allowed to slip down, and its teeth engaging the knife-edge *j*, it holds the bar C′ and the connected parts in the desired position, as shown in Fig. 2.

The board F serves the purpose of a drawing-board of itself; but when a framed canvas for painting is to be placed on the easel an adjustable flange, H, having a right-angular projection, *l*, provided with slots *m m*, is applied to the lower edge, *n*, of board F. The flange is held in position by screws *o o* in the under side of the board near edge *n*, which are passed through the slots *m m* in projection *l*, in the manner shown in Figs. 1 and 2.

Flange H sustains the framed canvas, and prevents it from slipping off the board when raised to the desired inclination.

The modification of my invention shown in

Figs. 3 and 4 consists in pivoting the lower ring, D, to the legs A A′ and inclining the board by raising said ring, which is pivoted to ears *a*, so that the raising or lowering of the ring can be readily accomplished. At the junction of the legs is pivoted the rack G, which is provided with a suitable handle. From the under edge of ring D projects a lip, *j*, in position to be engaged by the teeth of the rack, whereby the ring can be held in an inclined position, as in Fig. 4, or in a horizontal position. A ring for the support of the board and its connection with the easel is to be centrally pivoted to and above the ring D.

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

1. The improvement in easels consisting of the bar B, legs A, and slotted bar C, in combination with bar B′, legs A′ A′, bar C′, fixed ring D, and revolving ring E, as and for the purpose substantially as described.

2. In an easel, the pawl G and knife-edge *j*, in combination with the bars B B′, legs A A′, bars C C′, and rings D E, as and for the purpose substantially as described.

ISAAC WILKINS, JR.

Witnesses:

W. C. DONN,

C. SEDGWICK.