

1,242,151.

Patented Oct. 9, 1917.

Fig. 8. Fig. 9.

Fig. 2.

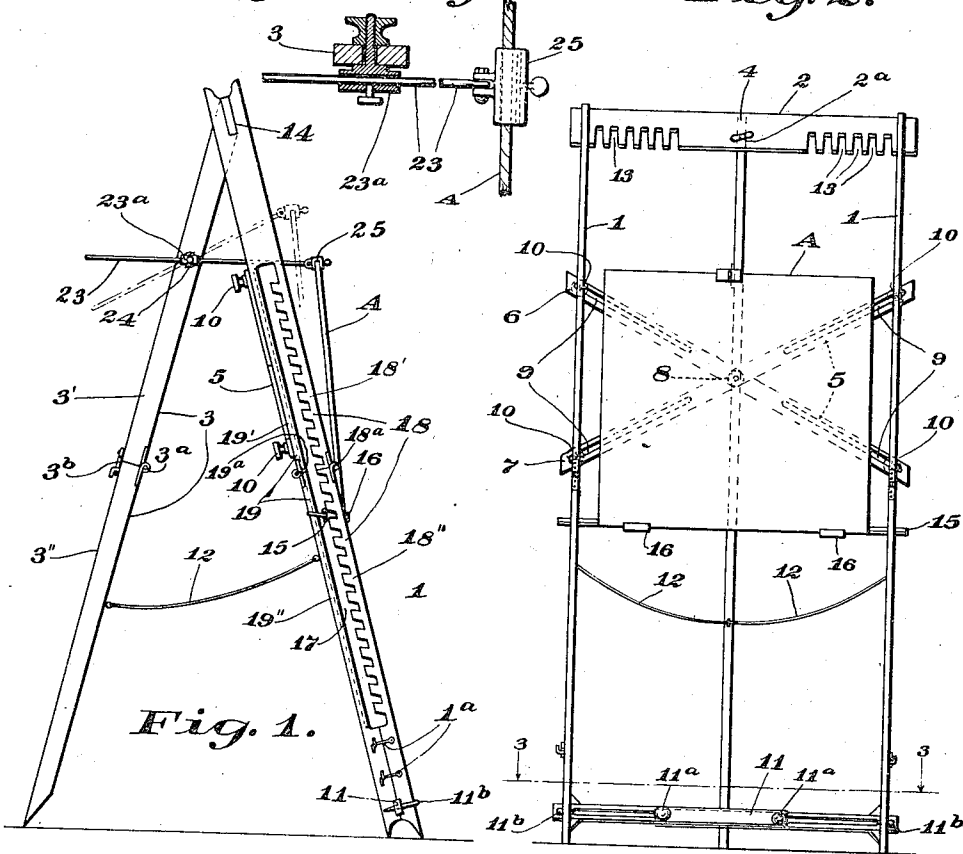


Fig. 6.

Fig. 3.

Fig. 4. Fig. 5.

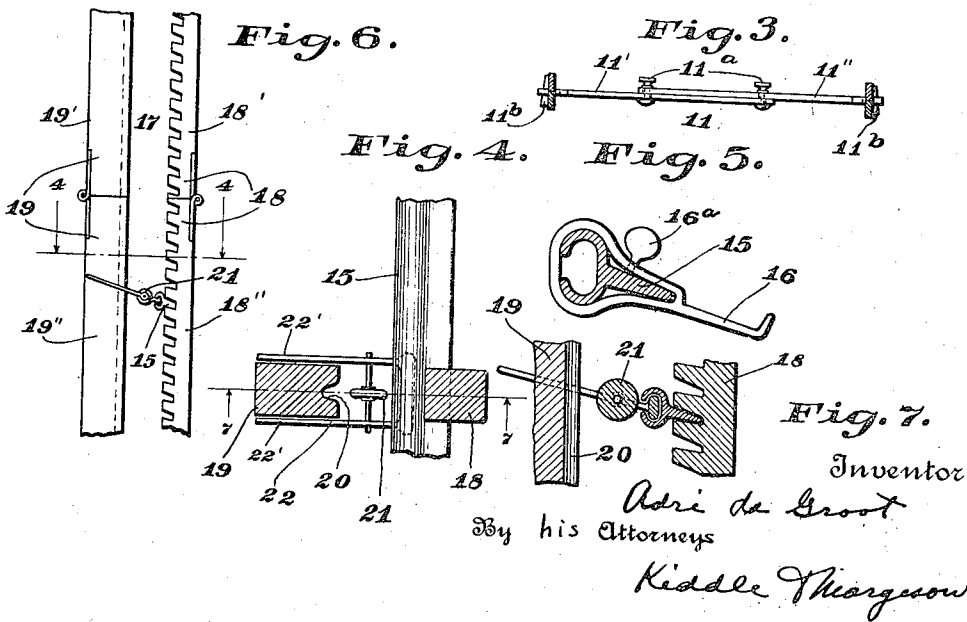


Fig. 7.

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EASEL.

1,242,151.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADRI DE GROOT, a subject of the Queen of the Netherlands, and a resident of the borough of Manhattan, city of New York, county and State of New York, have invented new and useful Improvements in Easels, of which the following is a specification.

The invention relates to easels that are particularly adapted for artists' use and one object of the invention is to construct the easel so that a canvas thereupon may be easily positioned without necessitating the removal of the canvas from the easel. The easel is preferably constructed so that it can be readily changed to adapt it for use with a large or a small canvas.

Another object of the invention is to construct the easel so that it can be readily folded whereby it can be easily transported.

As showing a specific embodiment of the invention reference is made to the drawing forming a part of this specification and in which drawing,

Figure 1 is a side view of the easel.

Fig. 2 is a front view of the easel.

Fig. 3 is a sectional view taken as on the plane indicated by the line 3—3 of Fig. 2 looking in the direction of the arrows.

Figs. 4 to 9 inclusive are views of different details. In Figs. 4 to 9 the several parts are shown on a somewhat larger scale than in Figs. 1 to 3.

The easel comprises front uprights or side-bars 1 which are preferably detachably secured together at their tops by means of a cross-bar 2. A rear upright or prop 3 is connected at its upper end to the central portion 4 of the cross-bar 2. There is detachably secured to the back of the front uprights an X shape cross-bracing 5 which comprises brace members 6 and 7 that are connected at their central portions to each other, as by means of a bolt 8. Each of these brace members is slotted or cut out, as at 9, so as to receive holding screws 10 which pass through the brace members and thus serve as means for securing the bracing which comprises these brace members to the back of the front uprights or side-bars. This bracing serves to prevent a side sway of the easel while the artist is working upon a canvas, as A, thereupon. The lower ends of the front uprights or side-bars 1 are connected by a bottom transverse member 11

that serves to tie the lower ends of the side-bars to each other. The tie or connecting member 11 also serves as a foot-rest for the artist whereby he can more securely hold the easel in place while working on the canvas. The rear upright or prop 3 can be connected, if desired, to the forward uprights in any suitable manner as, for instance, by means of connectors indicated at 12.

The cross-bar 2 is cut out or notched, as at 13, along its under side, so as to receive in the notched portions thereof the upper ends of the front uprights or side-bars 1. The upper end of the side-bars is also cut out, as at 14, so as to receive the cross-bar 2 and the construction is such that the notched portion of the upper ends of the front uprights or side-bars and the notched portion of the cross-bar will cooperate to maintain the side-bars and the cross-bar in the desired position relative to each other. As the cross-bar has several notches the uprights can be adjusted either toward or from each other and can be maintained in the desired adjusted position by the cross-bar. The members of the cross-bracing 5, as heretofore indicated, are cut out or slotted, as at 9. This construction has been provided to enable the artist to position or readjust the front uprights or side-bars as desired; and to permit the cross-bracing to be employed to brace the front uprights when in any of the several adjusted positions by merely tightening the bolts which pass through the cut out portions or slots. The bottom transverse or connecting member 11 comprises strips 11' and 11'' which are connected by bolts 11^a whereby the member 11 can be extended or shortened to correspond to the position of the side-bars, as will be manifest from an inspection of the drawings.

The canvas, when in place on the easel, is supported upon the uprights through the medium of a movable transversely-extending supporting bar 15 carrying holders 16 upon which the lower edge of the canvas rests. This transversely-extending supporting bar 15 passes through slots 17 in the side-bars. Each of the side-bars comprises a front notched member 18, which member consists of an upper portion 18' and a lower portion 18'', and a rear guide-way member 19 which consists of an upper portion 19' and a lower portion 19''. The front notched

member is so-called because, as the name implies, it is the front member of the side-bar and furthermore because it is provided with a series of notches upon the back thereof that extend a substantial length along said front member. The front of the guide-way member 19 is provided with a grooved portion 20 that serves to receive a roller 21. The front notched member 18 and guide-way member 19 are spaced from each other and provide the slot 17 heretofore referred to. The transversely-extending supporting bar 15 extends through the slots 17 and the front part of this supporting bar enters the notched portions of the uprights, and it occupies this position when serving as a support for the canvas. On the back of the supporting bar there are mounted two sets of adjustable guide members 22, each of which has a pair of ears 22' that extend upon opposite sides of the guide-way member 19. Each of these adjustable guide members carries the roller 21 heretofore referred to. When the transversely-extending supporting bar is in position for holding the canvas this roller 21 is out of engagement with the guide-way member 19 but the ears 22' just referred to will extend rearwardly at least a distance past the forward edge of the guide-way member 19.

When it is desired to raise or lower the canvas the transversely-extending supporting bar 15 is moved rearwardly out of the particular notched portions in which it is then seated to a position where it can be moved vertically past the rear ends of the projecting notched portions to its desired position. As the transversely-extending supporting bar is thus moved rearwardly preparatory to effecting this change the ears 22' will guide the roller 21 into the grooved portion 20 and consequently as the supporting rod is being raised, or lowered, this roller will slide along the grooved portion and thus serve to guide said bar. The adjustable guide members 22 are constructed, as will be manifest from an inspection of the drawing, so that they can be moved horizontally or longitudinally in respect to the supporting bar. The holders 16 are maintained in place on the transversely-extending supporting bar 15, as by means of the screws 16^a, when it is desired to hold them against movement along the bar.

It has therefore been indicated that the easel shown can be readily folded whereby it can be transported from place to place. To accomplish this the rear upright or prop 3 is made of two pieces, 3' and 3'', which are connected together as by means of a hinge 3^a and a hook 3^b. Similarly in each of the front uprights or side-bars, each front member 18, which has been heretofore described as being made of two pieces, 18' and 18'', has a hinge connection 18^a, and the two

pieces 19' and 19'' of each guide-way member 19 are connected, as by means of a hinge 19^a. The hinge 18^a is on the front of the member 18 and the hinge 19^a is on the rear of the member 19, thus facilitating a ready folding of the lower pieces 18'' and 19'', respectively, on the upper pieces 18' and 19'. The upper ends of the upper pieces or portions 18' and 19' are preferably permanently rigidly secured together. The lower ends of the members 18 and 19 are connected together, when the side-bars are in their unfolded or extended position as shown in Fig. 1, by means of hooks 1^a which effectually connect the lower pieces so as to make the easel comparatively rigid when in use. The upper end of the canvas can be secured in place by any suitable means as, for instance, by means of a rod 23 which has a swivel member 23^a adjustably securing it in place, at 24, to the rear upright or prop 3, and by a clamp 25 which serves as a means for connecting the front end of the rod to the canvas A. The upper end of the rear upright 3 can be detachably connected to the cross-bar 2 in any suitable manner, as by a screw connection 2^a. The ends of the bottom transverse or foot engaging member 11 are also detachably secured, as by means of the pin connections 11^b shown. From what has preceded it will be clear that the easel can be readily disassembled and folded so as to occupy a comparatively small space.

It will be manifest that the invention may be embodied in various forms without departing from the spirit and scope of the invention.

What I claim is:

1. In combination in an easel, side-bars each having a front upright member and a rear upright member, a rear upright or prop, and a transversely-extending supporting bar for supporting a canvas or the like, each of said side-bars being provided with a slot between its front and rear upright members through which slot the supporting bar extends, the front upright of each side-bar being notched at its rear side for receiving and holding the supporting bar.

2. An easel of the class described comprising in combination front uprights or side-bars, each having a notched member and a guide-way member which are spaced from each other, a supporting bar extending into and through the space between said members and engaging the notched portion of said front upright adjustable guide members supported by said bar, each of which adjustable guide members engages the guide-way member corresponding thereto.

3. An easel comprising in combination a front upright having a front member notched at its rear side, a rear member having a guide-way at its front side, a trans-

versely-extending canvas-supporting bar extending into a space between said notched member and said guide-way, a guide member on said supporting bar and cooperating
 5 with the guide-way portion of said rear member, the construction being such that the supporting bar is carried by the notched portion of the front member when the supporting bar is in its forward position and
 10 so that the supporting bar can be moved rearwardly out of engagement with the notched portion and then along the upright as the guide member on the supporting bar cooperates with the guideway portion of the
 15 rear member.

4. An easel of the class described comprising in combination uprights, each of which uprights has a notched member and a guide-way member spaced from each
 20 other, a transverse supporting bar extending into and through the space in each upright member, and guide members on said supporting bar one of which cooperates with the guide-way member of one upright and
 25 the other of which cooperates with the guide-way member of the other upright, the construction being such that the supporting bar can be placed in any one of several positions and be carried by the notched portions
 30 of the uprights and so that when being moved vertically along the uprights the guide members on the supporting bar will cooperate with the guide-way members of the uprights.

5. An easel of the class described comprising in combination front uprights or side-bars and a rear upright or prop, the rear prop being composed of an upper portion and a lower portion which are connected
 40 together by means of a hinge, each side-bar comprising spaced front and rear members each of which members comprises an upper portion and a lower portion, which portions are connected by means of hinges

whereby the several members can be folded, 45 the rear upright and the members of the side-bars or front uprights being also provided with means for securing them in their extended or unfolded position.

6. An easel of the class described comprising in combination front uprights or side-bars, each having a front member notched on its rear side and spaced therefrom, a rear member which has a guide-way on its front side, a transverse supporting
 55 bar extending into the space between the front notched member and the rear guide-way member, each front notched member being composed of two pieces and having a hinge at the front thereof, and each rear
 60 guide-way member being composed of two pieces and having a hinge at the rear thereof, the supporting bar being constructed so that it can be supported by the notched portions and so that it can be moved from one
 65 supported position to the other while being guided by the rear guide-way members.

7. An easel of the class described comprising in combination front uprights which uprights can be adjusted toward and from
 70 each other, a rear prop, a notched cross-bar for securing the upper ends of the front uprights in place in their different adjusted positions and to which notched cross-bar the upper end of the rear prop is connected,
 75 a cross-bracing constructed so as to be secured to the front uprights when the uprights are in different adjusted positions, and an extensible cross member or foot-rest secured to the lower ends of the front uprights.
 80

This specification signed and witnessed this 21st day of October, A. D. 1916.

ADRI DE GROOT.

Signed in the presence of—

G. McGRANN,
 EDWIN A. PACKARD.