

(No Model.)

T. C. VAIL.

EASEL.

No. 298,257.

Patented May 6, 1884.

Fig. 2.

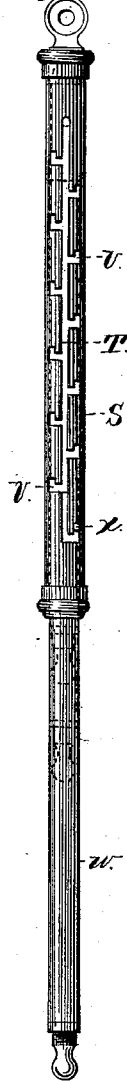


Fig. 1.

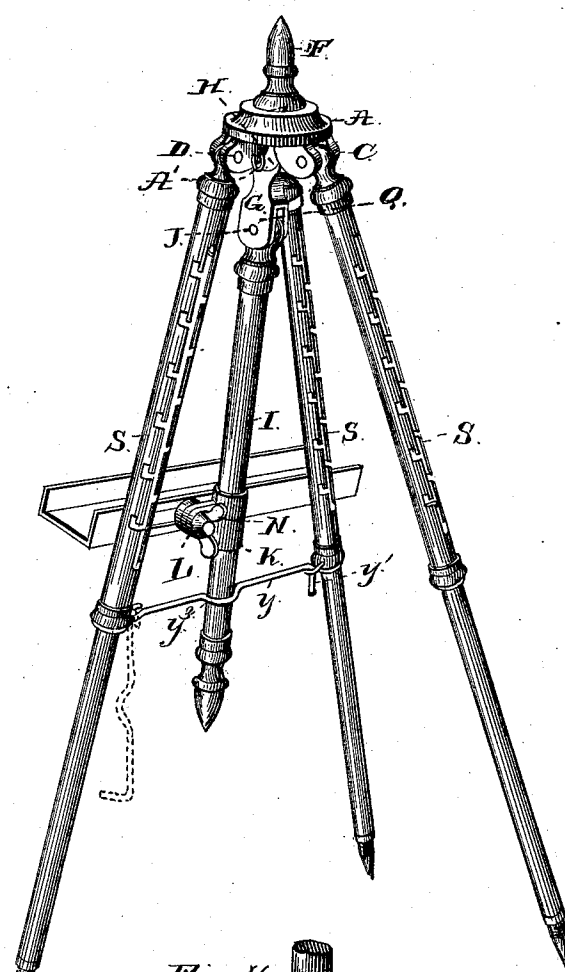


Fig. 3.

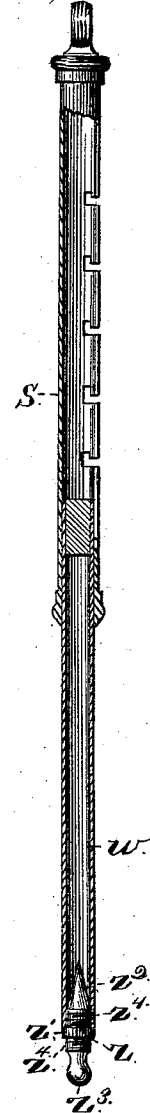


Fig. 4.

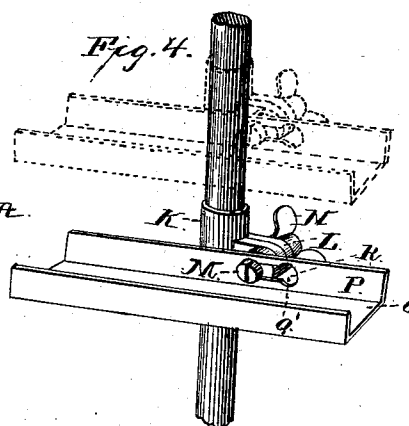
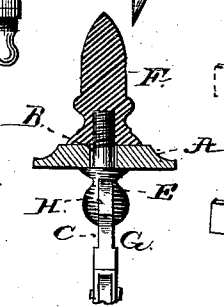


Fig. 5.



Witnesses
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THOMAS C. VAIL, OF TOPEKA, KANSAS.

EASEL.

SPECIFICATION forming part of Letters Patent No. 298,257, dated May 6, 1884.

Application filed February 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. VAIL, of Topeka, county of Shawnee, and State of Kansas, have invented a new and useful Improvement in Easels; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use it, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to an improvement in easels; and it consists of a tripod having extensible telescopic legs, a hinged depending supporting arm or rod, a supporting-shelf that is adjustably attached to the supporting-arm, and a securing rod or wire that is adapted to retain the two front legs of the tripod and the supporting-arm in a suitable position; and it further consists in the combination, with the telescopic legs, of reversible points that have one end pointed to adapt the easel to be secured in the ground for out-of-door work, and the other end rounded, so as to prevent the easel from injuring the floor or carpet when used in the house; and it further consists in the combination and arrangement of devices that will be more fully described hereinafter.

The object of my invention is to provide an easel that is light, cheap, and portable, that can be packed in a very small compass for transportation, and that is capable of adjustment, so as to bring the picture that is being painted at any height to suit the convenience of the artist.

In the accompanying drawings, Figure 1 is a perspective view of an easel embodying my invention, taken from the rear side. Fig. 2 is a detail elevation of one of the telescopic legs. Fig. 3 is a detail central vertical sectional view of one of the legs, showing the mode of attachment of the reversing-point. Fig. 4 is a detail perspective of the supporting-rod with the adjustable supporting-shelf attached thereto. Fig. 5 is a detailed central sectional view of the upper portion of the easel, showing the mode of attachment of the depending supporting-rod.

A represents a circular metallic cap having an opening, B, in its center, and three pairs of depending ears, C, arranged equidistant apart around its circumference. These ears are

provided with screw-threaded openings for the admission of the pivot-pins D, that serve to secure the upper ends of the legs in the ears.

E represents a screw that extends up through the central opening formed in the cap, and is secured therein by the nut F, which is preferably turned in an ornamental form. The lower end of this screw E has pivoted in it the link G, as at H, and in the lower end of the link is pivoted the upper end of the depending supporting-rod I, as at Q. This supporting-rod is of a length slightly greater than the upper section of the telescopic legs.

K represents a friction-clamp that fits upon the rod I, and is adapted to be vertically adjusted thereon, the clamp having the extended ears L, through which ears extends a screw, M, having a thumb-nut, N, upon its outer end.

O represents a supporting-shelf, which is preferably made of sheet metal, is rectangular in cross-section, and is of any suitable length. Slightly to one side of the center, in the inner side, P, of the shelf, is made a long slot, Q, having an enlargement, R, at its outer end, of similar size and shape as to the enlarged head of the screw M. This enables the enlarged end of the screw to be passed through the enlarged end of the slot, and by moving the shelf endwise the enlarged end of the screw forms a shoulder, and secures the shelf to the friction-clamp, as will be readily understood, and as shown in Figs. 1 and 4. The slot Q enables the shelf to be endwise adjusted. By this construction the screw M and nut N enable the shelf to be adjusted, not only endwise but also vertically upon the rod I.

S represents tubular metallic legs, which are secured at their upper ends in the ears C, as previously stated, and which are each provided with a long vertical slot, T, and short angular slots V, extending from both sides of the slot T, at regular distances apart.

W represents tubular metallic rods, of the same exterior diameter as the interior diameter of the legs S, and sliding therein telescopically. The upper ends of the tubes W are each provided with a stud, X, which extends out into the slot T, and by means of which stud the tubes W may be secured at any height in the legs S by causing the stud to enter one of the transverse slots V.

Y represents a wire, which is pivotally secured to the lower end of one of the legs S, and has its outer end bent to form a hook, Y', which is adapted to catch in an eye, Y', formed in the lower end of the opposite leg S. A semicircular bend, Y³, is given the wire at the center thereof, in which bend the lower end of the depending rod I rests, so as to secure it in a vertical position.

Z represents reversible points that have each a central flange, Z', a sharp point, Z², and a rounded opposite point, Z³. These devices are screw-threaded at Z¹, which adapt them to be secured into the lower ends of the tubes W.

When the easel is to be used in the house, the rounded ends will be outermost, as shown at Figs. 2 and 3; but when intended for out-of-door use, the sharp points will be outermost, as shown at Fig. 1.

To the under side of the cap A is secured a hook, A', upon which the resting-stick may be hung.

Having thus described my invention, I claim—

1. An easel provided with telescopic legs that are all adapted to be adjusted and secured at any desired point, and which are further provided with detachable reversible points at the lower end, said points having one end sharpened and the opposite end rounded, as substantially shown and described.

2. The combination of the cap A, telescopic legs S, depending link G, rod I, pivoted thereto, clamp K, adjustable vertically on said rod, shelf O, adjustable laterally on said clamp, and wire Y, having a bend, Y³, said wire being adapted to secure the lower ends of two of the legs in position, all combined and arranged to operate substantially as shown and described.

In testimony that I claim the foregoing I append my signature.

THOMAS C. VAIL.

Witnesses:

FRANK L. WOODFORD,

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