No. 892,851.

PATENTED JULY 7, 1908.

VAN EVRIE KILPATRICK.

DESK.

APPLICATION FILED JULY 9, 1907.

2 SHEETS—SHEET 1.

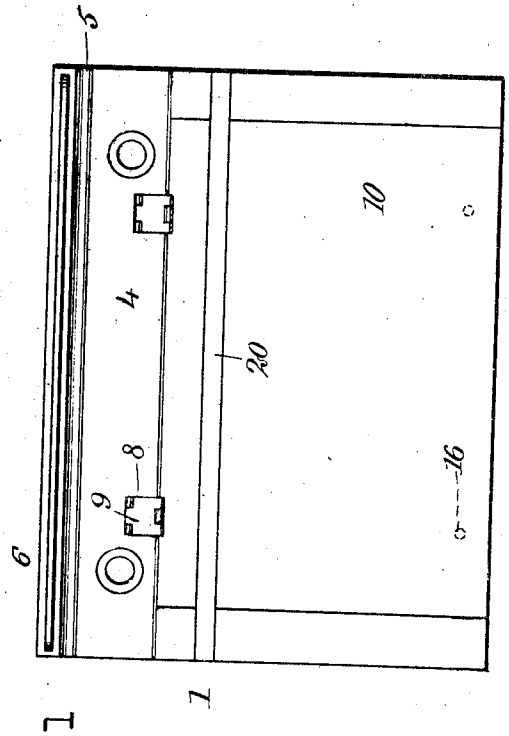


Fig. 1

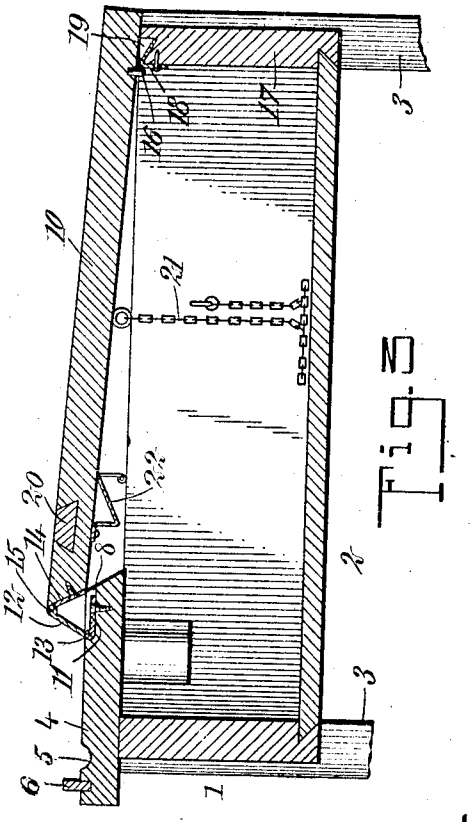


Fig. 3

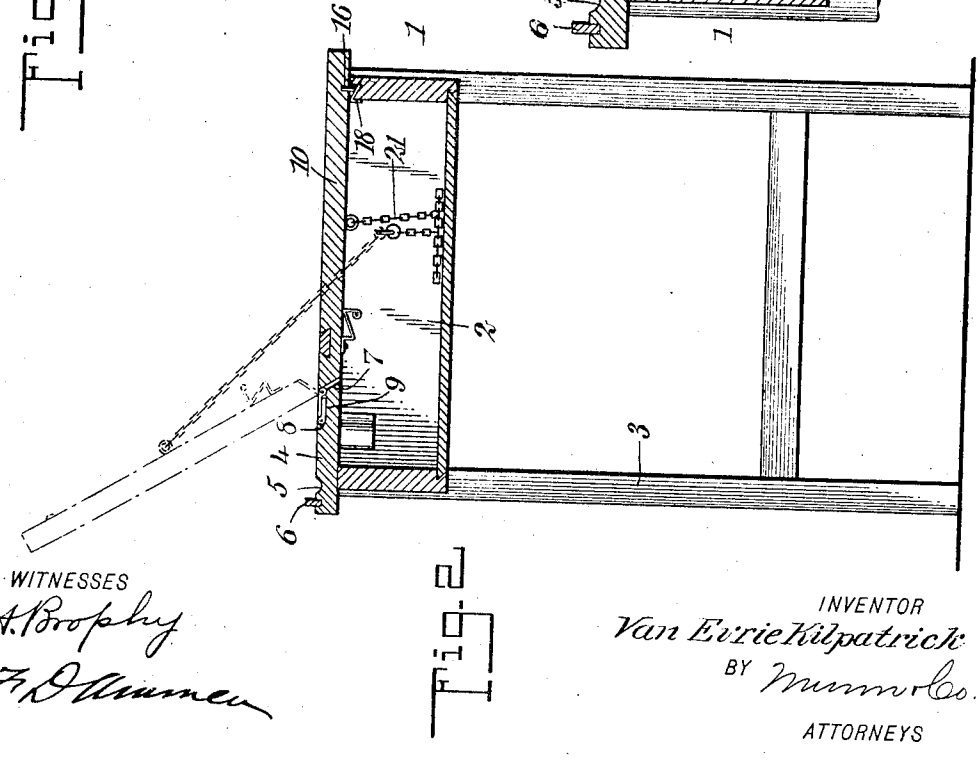


Fig. 2

WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4

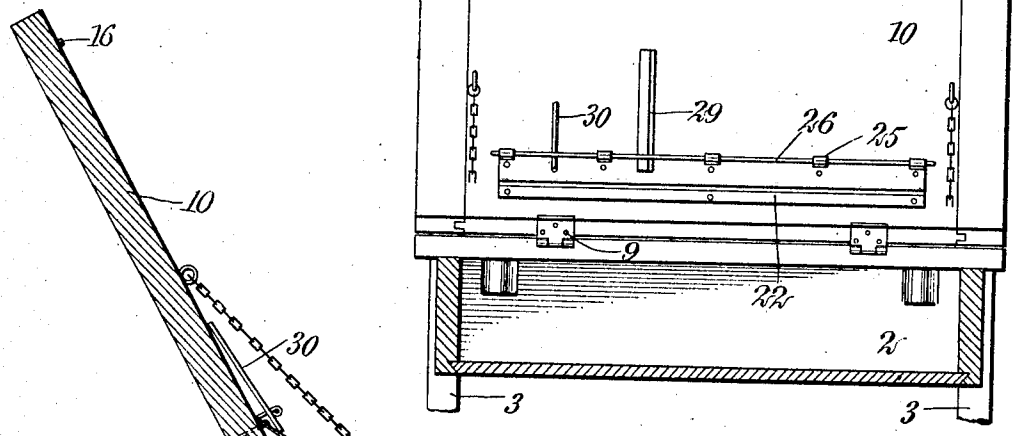


Fig. 5

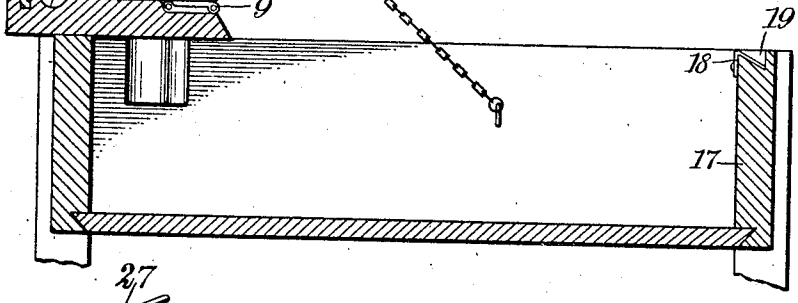
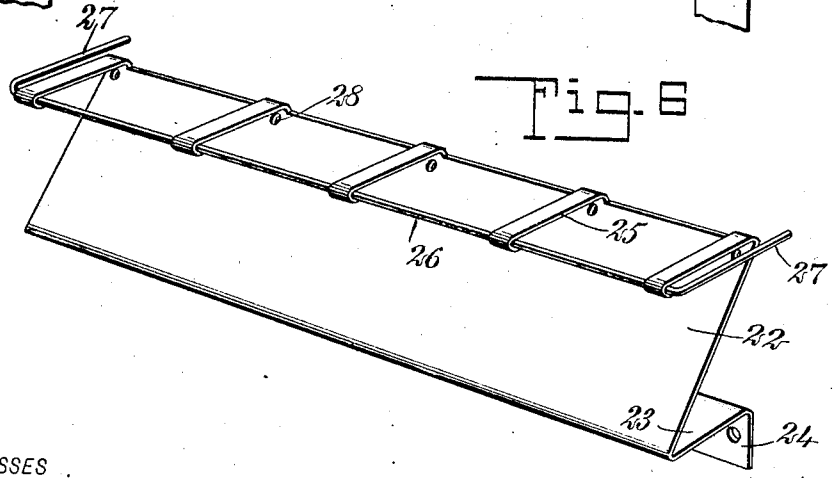


Fig. 6



WITNESSES

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UNITED STATES PATENT OFFICE.

VAN EVRIE KILPATRICK, OF YONKERS, NEW YORK.

DESK.

No. 892,851. Specification of Letters Patent. Patented July 7, 1908.

Application filed July 9, 1907. Serial No. 382,845.

To all whom it may concern:

Be it known that I, VAN EVRIE KILPATRICK, a citizen of the United States, and a resident of Yonkers, in the county of Westchester and State of New York, have invented a new and Improved Desk, of which the following is a full, clear, and exact description.

This invention relates to desks such as used in schools.

The object of the invention is to produce a desk which is adapted to be easily transformed into a drawing table.

A further object of the invention is to provide the desk with an attachment facilitating the holding of drawing instruments.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

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

Figure 1 is a plan of a desk constructed according to my invention; Fig. 2 is a vertical cross section through the desk shown in Fig. 1; Fig. 3 is a cross section through the desk, but showing it with the parts in the relation which they assume when the desk has been transformed into a drawing board; Fig. 4 is a longitudinal section through the desk showing the lid thereof raised, and illustrating the manner in which the holding attachment is secured to the desk for holding the drawing instruments; Fig. 5 is a longitudinal section through the desk, showing the lid raised and further illustrating the manner in which the holding device operates to hold the drawing instruments; and Fig. 6 is a perspective showing in detail the holder attachment detached from the desk.

Referring more particularly to the parts, and especially to Figs. 1 to 3, 1 represents the desk, the body 2 whereof is supported upon legs 3. At the rear edge the desk is provided with the usual fixed rail 4 having a longitudinally disposed gutter 5 to hold pencils or penholders, and adjacent to this gutter the usual guard 6 is provided. The inner edge 7 of the rail 4 is formed with a bevel as shown, and adjacent to this beveled edge 7 the upper face of the rail is formed with rectangular recesses 8 to facilitate the attachment of hinges 9 by means of which the cover 10 of the desk is secured. The hinges 9 are of special construction; as illustrated most clearly in Fig. 3, they comprise a leaf 11 which is rigidly attached to the bottom of the recess 8. At the forward edge of this leaf 11 a swinging leaf or link 12 is connected by a hinge joint or knuckle joint 13. To the opposite edge of the link leaf 12 a leaf 14 is connected by a hinge joint or hinge connection 15, and this leaf 14 is attached to the beveled edge of the cover which lies adjacent to the beveled edge 7 of the rail. When the cover is closed, as indicated in Fig. 2, the hinges 9 have substantially the appearance of ordinary hinges and permit the desk cover to be raised at the joint 15, as indicated by the dotted lines in Fig. 2.

When it is desired to use the cover of the desk as a drawing board, the cover should be raised slightly at its inner or beveled edge, and forced rearwardly so that this edge rests upon the upper face or edge of the rail 4, in the manner illustrated in Fig. 3. In this way the cover will be supported in an inclined position so as to transform the desk into a convenient drawing table. In order to hold the cover in this inclined position, its under side is provided with downwardly projecting pins 16. When the cover is in an inclined position as shown, these pins project downwardly so as to rest against the forward edge of the rear board or wall 17 of the desk body. At this point I provide a keeper 18 which is simply a piece of sheet metal bent to angular form; one leaf or leg of this keeper is disposed in an inclined position and forms a face for the inclined bottom of a recess or pocket 19 which is formed in the upper edge of the board 17. There may be two of these pins 16 and two corresponding recesses or pockets 19. When the desk is closed, the pins project down into the pockets and do not prevent the desk from closing tightly. As the inclined bottoms of the pockets 19 become more elevated toward the forward edge of the desk, they facilitate the movement of the cover from its normal position, and this movement is facilitated, also, by the inclination or bevel of the edge 7. In this connection, it should be understood that in changing the cover from its flat position to its inclined position, it can be slightly raised forwardly and forced rearwardly at the rear without raising the rear edge of the cover.

In order to facilitate the use of the cover

10 as a drawing board, near its forward edge I provide a longitudinally disposed batten 20 which is inlaid into the face of the cover in a dove-tailed groove as shown. This batten is of soft material and adapted to receive the thumb-tacks which hold the upper edge of the sheet of drawing paper. When this batten becomes worn from daily use, it may be slid out of the groove longitudinally and replaced by a sound batten.

In order to hold the cover in the open position in which it is shown in Fig. 5, I provide a chain 21 which is attached to the under side of the cover and to one of the side walls of the body of the desk. In order to enable the cover to hold the drawing instruments conveniently, I provide a holding device 22, as illustrated in Figs. 4 to 6. This holding device consists of an elongated plate which is bent at one edge to form a brace plate 23, and this brace plate has its edge also bent to form a flange 24 which is adapted to be attached to the under side of the cover by suitable fastening devices. When attached in this manner the body of the holding device is disposed in an inclined position with respect to the face of the cover. The edge of the device opposite to the flange 24 is formed with outwardly extending arms 25 which project perpendicularly from the face of the cover. These arms are crimped at their ends around a long bar or elongated staple 26; this staple is formed with spurs 27 at the ends thereof which are beyond the body of the holding device, and these spurs are adapted to be driven into the under side of the cover, as will be readily understood. At a suitable point near the upper edge of the holding device, as indicated in Fig. 6, I provide openings 28 through which fastening devices may be inserted.

The operation of the holding device will be most clearly understood from inspection of Figs. 4 and 5. When the cover is in its open position as shown in Fig. 5, an instrument such as a scale 29 or a pencil 30 may be placed in the holding device by passing its lower end downwardly into position between the bar 26 and the upper edge of the holding device. In this way the lower edge of the instrument comes against the inclined body of the holder and moves outwardly as the instrument tends to move downwardly; the upper end of the instrument being in contact with the surface of the cover, the instrument soon comes to a position of equilibrium. In this connection it should be observed from Fig. 5 that the bar 26 is not at as great a distance from the surface of the cover as the outer edge of the brace plate 23; that is, as the outer edge of the body of the device. This holding device is most conveniently placed near the lower edge of the cover when the cover is in its raised position, as indicated in Fig. 5. It will be evident that with a holding device of this kind the instruments are very readily held in position and may be conveniently reached when desired.

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

1. A desk having a body with a rail at the forward part thereof, a cover for said body normally disposed in a substantially horizontal position, and a link connecting the upper edge of said cover to said rail and enabling the forward edge of said cover to be forced upwardly and over the rear edge of said rail to support said cover in an inclined position.

2. A desk having a body, a cover, a link connecting the forward edge of said cover with said body whereby the forward edge of said cover may be forced forwardly on said body into an inclined position, and means tending to hold said cover in said inclined position.

3. A desk having a forward rail, a hinge comprising a pair of leaves and a connecting link leaf attached to said rail, a cover attached to said hinge, and means for locking said cover against sliding away from said rail.

4. A desk having a body with a fixed forward rail, a cover supported on said body and adapted to be forced forwardly over said rail and supported by said rail in an inclined position, and interlocking means normally out of engagement between said cover and said body to hold said cover against sliding from said inclined position.

5. A desk having a body with a forward rail, a cover, a link normally lying on said rail and hinged to the forward edge of said cover, the forward edge of said link being hinged to said rail, and projections on the under side of said cover adapted to engage said body to hold said cover in an inclined position when the forward edge of said cover is forced up over the rear edge of said rail.

6. A desk having a body with a forward rail, a hinge having a double joint, a cover attached to said rail by said hinge and adapted to be forced forwardly to rest on said rail, and projections on the under side of said cover near the rear edge thereof adapted to engage the edge of said body to hold said cover in one position, said body having pockets therein receiving said projections when said cover is in another position.

7. A desk having a forward rail, a cover, a link connecting said cover with said rail and permitting a forward upward movement of the forward edge of said cover, the forward edge of said cover adjacent to said rail being beveled to facilitate the said upward forward movement.

8. A desk having a forward rail having a beveled rear edge, a cover having a beveled

forward edge coming against said first beveled edge, links normally lying on the upper face of said rail, said links being hinged at the forward edges thereof to said rail enabling said cover to be forced upwardly and forwardly to support the forward edge thereof upon the rear edge of said rail.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

VAN EVRIE KILPATRICK.

Witnesses:

LAURA S. PEENE,

GEO. H. PEENE.