March 24, 1936. B. E. VAN ALSTYNE 2,034,930

COPY HOLDER AND STAND

Filed Oct. 10, 1935 2 Sheets-Sheet 1

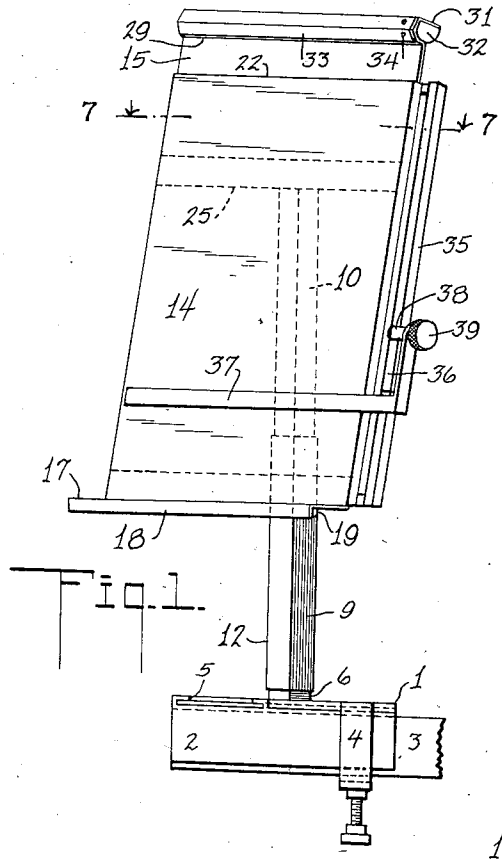


Fig. 1.

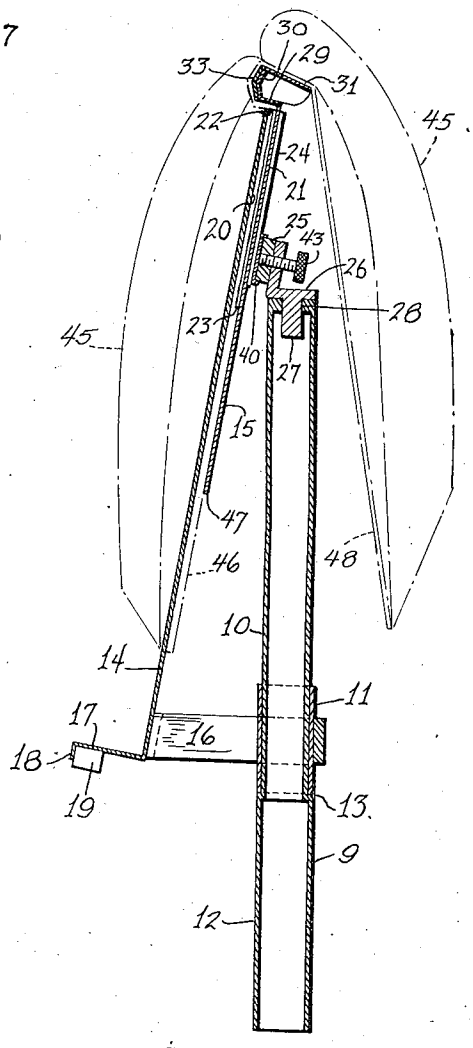


Fig. 3.

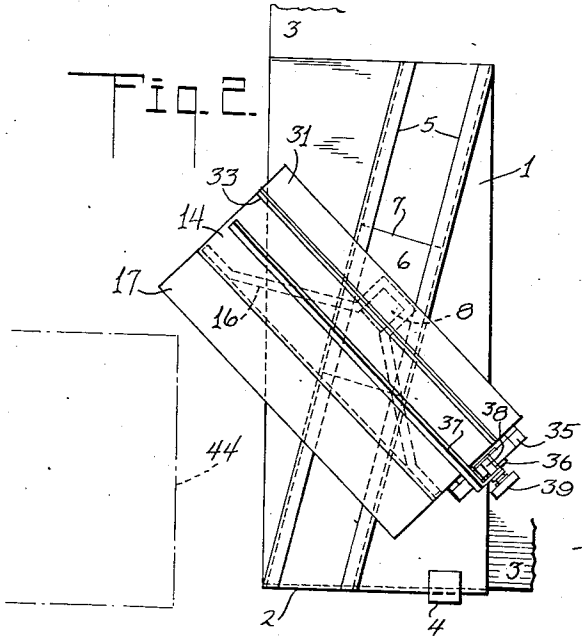


Fig. 2.

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COPY HOLDER AND STAND

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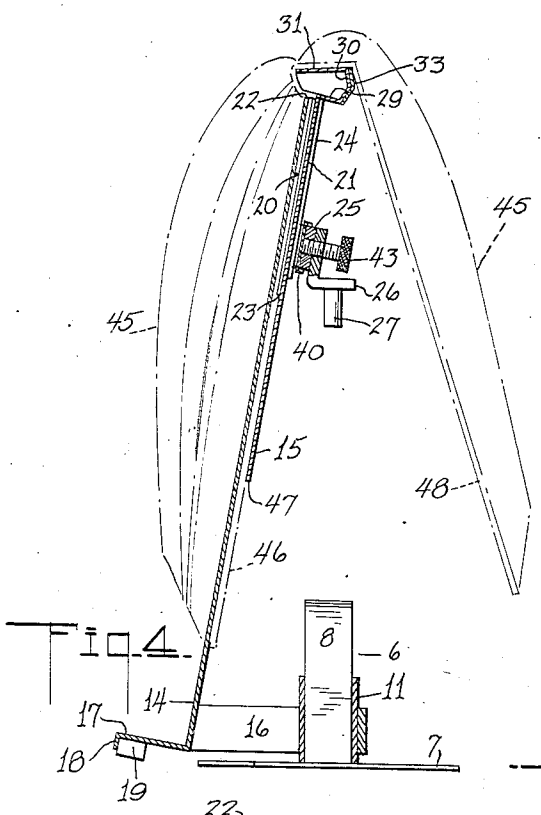


Fig. 4.

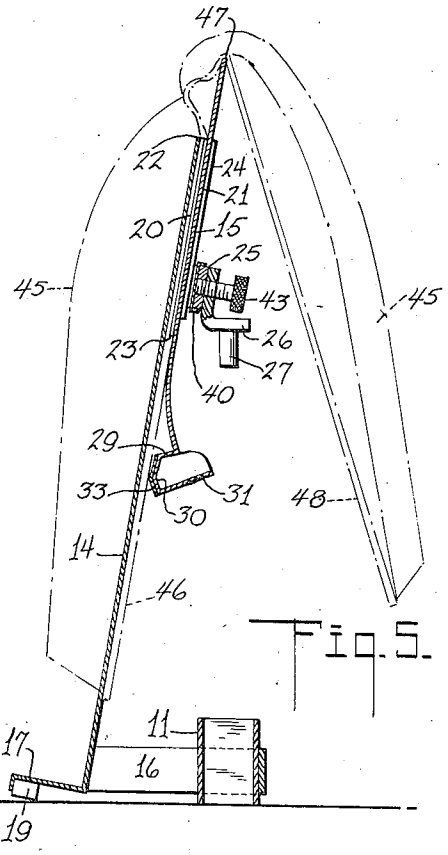


Fig. 5.

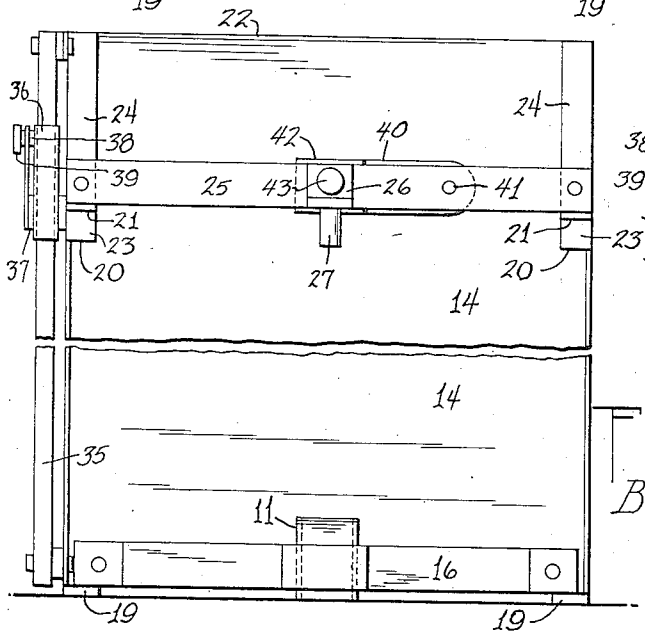


Fig. 6.

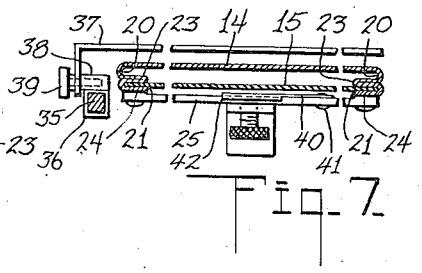


Fig. 7.

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2,034,930

COPY HOLDER AND STAND

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Application October 10, 1935, Serial No. 44,429

18 Claims. (Cl. 120—28)

My invention relates to improvements in copy holders and stands, and it consists of the combinations, constructions and arrangements hereinafter described and claimed.

An object of my invention is to provide a copy holder which includes a base that can be clamped in various positions to a desk. In addition the copy holder can be adjusted along the base and can be turned into different angular positions with respect to the base. In this way the copy holder itself can be disposed in the most suitable position for the typist, and therefore the note book or other data being copied will be positioned where the typist may view it with the least exertion. The base slidably supports a pedestal and this pedestal can be connected directly to the copy holder so that the copy holder will be positioned close to the base. If the operator wishes to raise the copy holder above the base a leg is used, and this leg is removably secured to the pedestal and to the copy holder. It is possible to place the copy holder directly upon the supporting surface such as a desk top without the need of a supporting leg, pedestal or base.

One of the principal features of the invention lies in the provision of a shoulder on the rear plate. This shoulder cooperates with the top edge of the front plate to clamp a portion of a note book therebetween. In this way the note book is securely held in position. If the note book is longer than the length of the front plate, the bottom of the note book can rest on the bottom shelf of the copy holder while the rear plate can be moved with respect to the front plate for forcing the shoulder down upon the top of the note book. The note book will therefore be securely clamped between the bottom shelf and the shoulder.

The rear plate is also designed to be inverted, and in this instance the shoulder will yieldingly engage with the rear cover of the note book, and will act as a clamping member for holding the note book in position and for preventing movement of the rear plate in the copy holder.

An auxiliary clamp is used for holding the rear plate against movement, regardless of its position, and the clamp can be used for contacting directly with the note book cover when the rear plate is not used.

Other objects and advantages will appear in the following specification, and the novel features of the device will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings forming a part of this application, in which

Figure 1 is a front elevation of the base showing the copy holder disposed thereon in an angular position;

Figure 2 is a top plan view of Figure 1;

Figure 3 is a vertical section through the copy holder and supporting leg;

Figure 4 shows the copy holder supported by the pedestal instead of by the leg, and further shows the rear plate in a different position;

Figure 5 shows the copy holder resting directly on a supporting surface, and shows the rear plate inverted;

Figure 6 is a rear elevation of the copy holder with the rear plate removed; and

Figure 7 is a horizontal section taken along line 7—7 of Figure 1.

In carrying out my invention I provide a base 1, which is shown rectangular in shape in Figure 2. The base has a front downwardly extending flange 2 that aids in positioning the base on a supporting surface, such as a desk top 3. A clamp 4 secures the base to the desk top.

Figure 2 shows the base 1 as being provided with an inclined guideway 5. A pedestal indicated generally at 6 slides in the guideway, and this pedestal comprises a rectangular plate 7 and a non-circular upright 8, see Figure 4. If desired, the rectangular plate 7 can be in the shape of a large disk, and this disk can be made heavy enough to support the copy holder against tipping.

In Figure 3 I show a tubular member or leg 9, and this leg has a reduced portion 10 designed to be passed through a sleeve 11, and an enlarged portion 12 that extends below the sleeve. A shoulder 13 separates the portion 10 from the portion 12 and this shoulder bears against the under side of the sleeve 11.

The sleeve 11 is connected to a copy holder, and Figure 3 shows the copy holder as consisting of a front plate 14 and a rear plate 15. The front plate is connected by a brace 16 to the sleeve 11. A lower shelf 17 extends forwardly from the lower edge of the front plate and the shelf has a downwardly turned flange 18 and short legs 19 are disposed beneath the shelf and at the ends thereof. Figure 7 shows the front plate 14 as being provided with two grooves 20 and 21 disposed at each side of the front plate and adjacent to the top. Figure 6 shows the two grooves 20 and 21 as extending downwardly from the top edge 22 of the front plate. The groove 21 slidably receives the rear plate 15, and this groove is bounded by

an inner wall 23 that is longer than the outer wall 24, see Figure 6. The purpose of this construction will be hereinafter described.

A cross piece 25 extends in back of the plate 14 and is secured to the rear walls 24. This spaces the cross piece 25 from the front plate. The cross piece carries the bracket 26 and the bracket in turn supports a depending anchoring pin 27, Figure 3 shows the top of the tubular leg 9 provided with an opening 28 that removably receives the anchoring pin. The pin 27 and the sleeve 11 form the connection between the leg 9 and the copy holder.

The rear plate 15 has a shoulder 29 formed therein and the normal position of the rear plate causes this shoulder to extend over the upper edge 22 of the front plate 14, see Figure 3. A metal portion 30 integral with the shoulder 29 extends upwardly from the shoulder, and then a shelf 31 extends rearwardly and downwardly at an angle from the portion 30. It will be seen that a hand grip is provided by the shoulder 29, the front portion 30 and the shelf 31, and this hand grip aids the operator in sliding the rear plate 15 in the grooves 21, or in entirely removing the plate. End pieces 32 shown in Figure 1 are used for reinforcing the hand grip portion. Figure 1 further shows a paper gripping clip 33 that is angular in cross section, and which extends across the width of the rear plate 15. The paper gripping clip or clamp 33 is secured at one end to the portion 30 by rivets 34 or other suitable fastening means.

A guide rod 35 is secured to the front plate 14 and is spaced from one edge thereof. The guide rod extends throughout the length of the front plate and slidably carries a sleeve 36. A line indicator 37 is pivotally carried at 38 by the sleeve 36 and a handle 39 is secured to the line indicator 37 for swinging the indicator into the desired angular positions and for moving the indicator vertically. The line indicator is shown in detail in Figure 7.

Figures 5, 6 and 7 show a clamp 40 secured to the inner surface of the cross piece 25 by a rivet 41 or other suitable fastening means. The free end of the clamp 40 is U-shaped as at 42 and is disposed adjacent to the bracket 26. An adjusting screw 43 is threaded through the bracket and the cross piece and is designed to move the clamp 40 against the rear plate 15 for holding it from moving.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood.

The copy holder and base is designed to fulfill a number of functions, and to support note books of different sizes and types. The base 1 may be disposed in different positions on a desk top and the pedestal supporting the copy holder may be moved along the guideway 5 to position the copy holder either in back or in front of a type-writer. Figure 2 indicates the position of a typewriter at 44 in its relation with the copy holder. The copy holder is so positioned that the carriage of the typewriter may be moved throughout its entire length of travel without interfering with the copyholder. I have found that in the various positions in which the base 1 may be disposed, the square sleeve 11 may be mounted on the pedestal 8 or the supporting leg 9 to face in any one of the four directions provided by the square upright 8.

I not only provide a base and a pedestal which will support the copy holder in different angular positions, but I also support the copy holder a predetermined distance above the desk by means of the leg 9, or adjacent to the desk by means of the pedestal 6. Furthermore, the copy holder may be supported directly on the desk as shown in Figure 5, when neither the leg nor the pedestal is used.

The rear plate 15 is designed to be placed in three different positions. The normal position is that shown in Figures 1 and 3 where the shoulder 29 projects over the upper edge 22 of the front plate 14. A large note book 45 is shown held in place, the rear cover 46 of the book being passed between the front and rear plates 14 and 15. The shoulder 29 cooperates with the edge 22 to clamp the note book in place and the hinge of the book overlies the paper clamp 33 and the shelf 31.

In Figure 4 I show the rear plate 15 reversed in position so that the shelf 31 faces toward the front of the copy holder and the shoulder 29 faces rearwardly. The same large note book 45 is shown in position by broken lines, and the shelf 31 supports the hinge of the note book. The rear cover 46 can be clamped in place in this instance by the adjusting screw 43 and the clamp 42, forcing the rear plate 15 against the rear cover 46.

The rear plate 15 is shown inverted in Figure 5, and the shoulder 29 will yieldingly engage with the rear cover 46 of the note book 45 to clamp the note book in position. The rear plate in this instance is flexed and the higher the plate is moved with respect to the front plate the more tension is exerted on the shoulder 29 due to the greater flexing of the plate. In this way the pressure of the shoulder against the rear cover 46 can be varied. The lower edge 47 of the rear plate 15 in this instance becomes the supporting edge for the hinge of the note book 45.

The front and rear plates are designed to support a note book similar to the one shown but longer than the length of the front plate 14. In this instance the longer note book is clamped between the bottom shelf and the shoulder 29.

Should a note book with a coil spring hinge be used, the rear plate 15 would be disposed in the position shown in Figure 5, and the plate would be lowered so that the edge 47 would lie in the same plane as the edge 22 of the front plate. The rear cover of this type of note book would be clamped in place between the shoulder 29 and the front plate 14.

Two other note books are used, one of which consists of a single row of stitching, and is provided with flexible front and rear covers, the other one of which is also held together by a single row of stitching, but is provided with stiff front and rear covers. The device is adapted to support these types of note books in the same manner as it supports the note book shown in Figures 3, 4 and 5.

It will be noted from Figure 5 that the cross bar 25 and the hand grip formed by the shoulder 29 and shelf 31 are close enough together so that the operator can grasp the cross bar and the hand grip in moving the rear plate 15 upwardly. I have found that an adjustment of the rear plate upwardly as the leaves of the note book are turned will cause the pages that are being copied to lie in a better position. When moving the rear plate downwardly the fingers are placed on the inner surface of the shelf 31, see Figure 5, and then the plate can be moved readily in a downward direction.

Figures 3, 4 and 5 show the note book 45 hang-

ing from and being supported by the upper edge 22 of the front plate 14. The edge in this instance acts as the sole support for the note book.

In Figure 3 it will be noted that the note book 45 has two hinges, one being disposed adjacent to each cover. The shoulder 29 clamps one hinge to the edge 22 of the front plate 14, while the other hinge coincides with the rear edge of the shelf 31.

The auxiliary clamp 40 can be used for holding the rear plate 15 against movement when the plate is in any one of the three positions shown in Figures 1, 3, 4 and 5. The clamp in bearing against the rear plate 15 not only holds the plate in adjusted position, but also forces the cover of the note book against the rear surface of the front wall 14. In this way the note book is clamped in place.

The auxiliary clamp 40 can also be used without the rear plate 15. For example, when the note book is supported by the upper edge 22 of the front plate 14, the clamp 40 can force the rear cover of the note book against the rear surface of the front plate 14. The cross bar 25 acts as a rear wall for the note book cover in this case, and this same bar also carries the auxiliary clamp 40. If desired, the hinge of the note book can be raised above the edge 22 of the front plate 14 and the auxiliary clamp 40 will hold the cover in raised position by forcing it against the front plate 14.

When the front cover 48 of the note book is clamped in this manner, so as to hold the hinge of the note book above the upper edge of the front plate 14, then the upper edge of the note book acts as its own supporting shelf for the leaves of the note book, and the leaves may be turned over this supporting edge of the front cover as they are used.

While I have shown only the preferred forms of my invention, it shoulld be understood that various changes or modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

I claim:

1. A copy holder comprising a front plate, a rear plate slidably carried by the front plate and being provided with a shoulder that projects over the upper edge of the front plate, said rear plate cooperating with the front plate for providing a note book cover receiving pocket, the shoulder cooperating with the upper edge of the front plate for clamping a portion of the book hinge therebetween, whereby the note book is held in position.

2. A copy holder comprising a front plate, a rear plate slidably carried by the front plate and cooperating with the front plate for providing a note book cover receiving pocket, the top of the rear plate being provided with a shelf for supporting a portion of the note book hinge, and means for urging the rear plate toward the front plate for clamping the note book cover in position and for holding the rear plate against movement.

3. A copy holder comprising a front plate having grooves shorter in length than the plate, a rear plate slidably carried by the grooves and being provided with a shoulder at its upper end, the rear plate when turned upside down causing the shoulder to yieldingly clamp the rear cover of a note book against the front plate, whereby the note book is held in place and the rear plate is held against movement, the edge of the rear plate disposed opposite the shoulder constituting a support for the note book hinge.

4. In combination, a copy holder, a brace secured to the lower part of the copy holder, a non-circular sleeve carried by the brace, an anchoring pin disposed near the top of the copy holder, a non-circular tubular member received in the sleeve and being provided with an opening at its upper end for receiving the pin whereby the tubular member is secured to the copy holder, and means for supporting the tubular member.

5. In combination, a copy holder, a brace secured to the lower part of the copy holder, a non-circular sleeve carried by the brace, and a pedestal having a non-circular portion receivable in the sleeve for supporting the sleeve and copy holder in proper position.

6. In a copy holder, a front plate, a guide way spaced from the plate and disposed along each side thereof, said guideways extending down from the top of the plate a predetermined distance, and a rear plate slidable in the guideways, the wall of each guideway disposed nearest the front wall being longer than the outer guideway wall, whereby the rear plate can be readily inserted from the bottoms of the guideways if desired.

7. A support for a copy holder comprising a non-circular upright, a copy holder, a sleeve for carrying the copy-holder and being received in different angular positions on the support, whereby the copy holder can be swung into different angular positions about the support.

8. A copy holdler comprising a front plate, a shelf extending forwardly from the bottom edge of the plate, a rear plate slidably carried by the front plate and being provided with a shoulder, said shoulder cooperating with the shelf for holding a book that is longer than the front plate, in position, the book being supported between the shelf and shoulder.

9. A copy holder comprising a front plate, a shelf extending forwardly from the bottom edge of the plate, a rear plate slidably carried by the front plate and being provided with a shoulder, said shoulder cooperating with the shelf for holding a book that is longer than the front plate, in position, the book being supported between the shelf and shoulder, and a clamp for holding the rear plate against movement.

10. In combination, a front plate, a rear plate slidably carried by the front plate, a cross bar carried by the front plate and extending in back of the rear plate, a clamping member carried by the bar, and means for urging the member into frictional contact with the rear plate to hold the plate against movement.

11. In combination, a front plate, a rear plate slidably carried thereby, a shoulder carried by the rear plate and an integral shelf extending therefrom, said shelf extending in an opposite direction to and being spaced from the shoulder, whereby a space is provided between the shelf and shoulder for the fingers, and this part of the rear plate constitutes a hand grip portion by means of which the rear plate is easily moved.

12. In a copy holder, a front plate, a rear plate slidably carried by the front plate and carrying a shoulder designed to cooperate with the upper edge of the front plate for clamping a portion of a note book therebetween, and a paper gripping clamp carried by the rear plate at a place adjacent to the shoulder, whereby the rear plate

is adapted to hold either a note book or sheets of paper in position.

13. In a copy holder support, a sleeve connected to the copy holder, a tubular member removably receivable in the sleeve and carrying an extension below the sleeve of the same cross-sectional area as the sleeve, and a pedestal carrying an upright receivable either in the sleeve or in the extension of the tubular member, whereby the copy holder can be supported at different elevations with respect to the pedestal.

14. In combination, a rectangular base, an inclined guideway carried by the base, a pedestal slidable in the guideway and carrying a non-circular upright, a copy holder, a non-circular sleeve carried by the copy holder, said sleeve being receivable on the upright in different positions, whereby the copy holder can face in different directions with respect to the base.

15. In combination, a rectangular base, an inclined guideway carried by the base, a pedestal slidable in the guideway and carrying a non-circular upright, a copy holder, a non-circular sleeve carried by the copy holder, said sleeve being receivable on the upright in different positions, whereby the copy holder can face in different directions with respect to the base, and clamping means for securing the base to a supporting surface in the desired position.

16. In combination, a front plate, a cross piece extending across the back of the plate and being spaced therefrom, a supporting leg removably secured to the cross piece, said cross piece also cooperating with the plate for providing a pocket for receiving the rear cover of a note book.

17. In combination, a front plate, and a rear plate spaced from the front plate for receiving the rear cover of a note book therebetween, the upper portion of the rear plate constituting a support for the book hinge when the book is opened.

18. In combination, a front plate, a cross piece extending across the rear of the plate and being spaced therefrom, the space between the plate and cross piece being designed to receive the rear cover of a note book, and clamping means carried by the cross piece for securing the cover against movement.

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