Oct. 6, 1959 H. L. NEILSEN 2,907,584

PENCIL-SERVING MEMORANDUM PAD-HOLDER

Filed Oct. 2, 1957 2 Sheets-Sheet 1

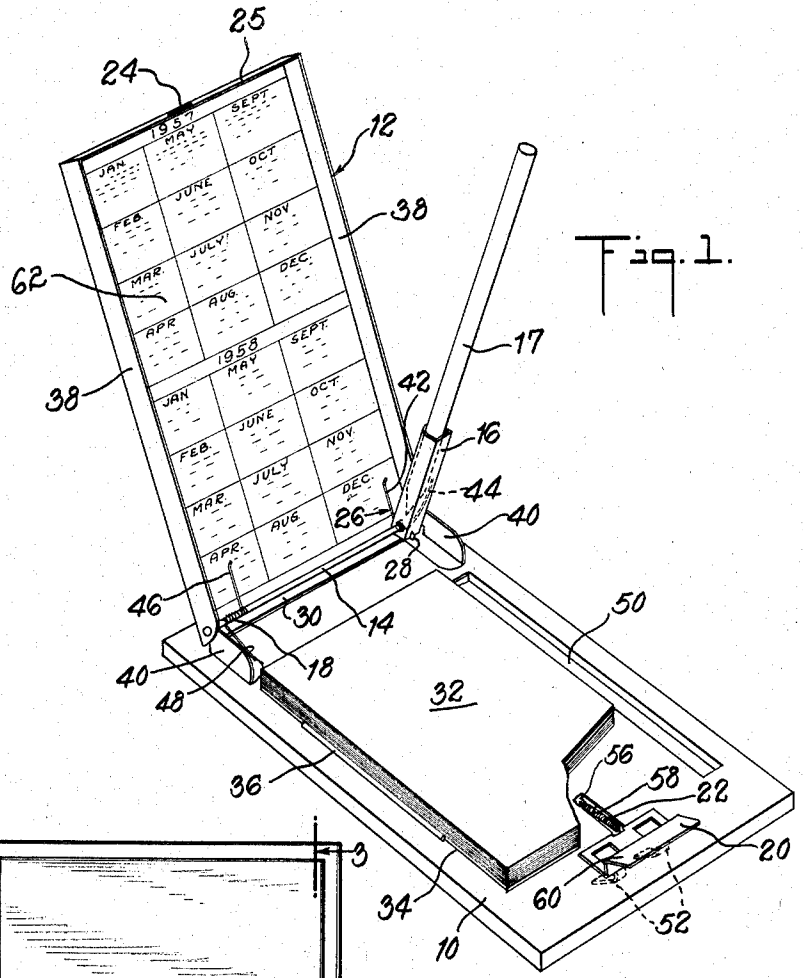


Fig. 1.

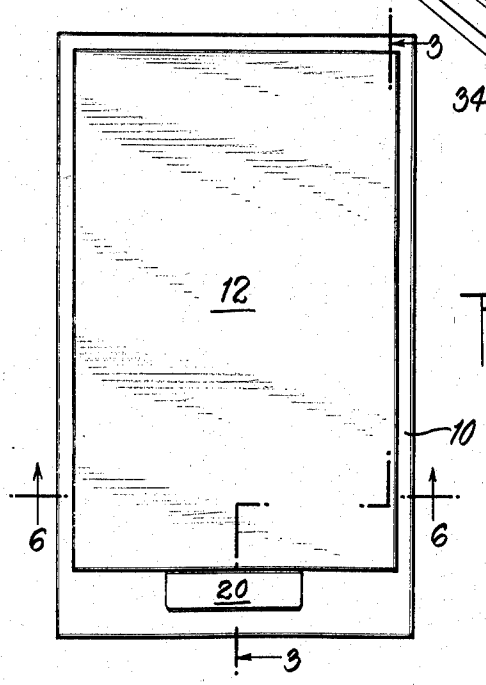


Fig. 2.

INVENTOR:
HILDAUR L. NEILSEN
BY
Robert Henderson
ATTORNEY

Oct. 6, 1959 H. L. NEILSEN 2,907,584

PENCIL-SERVING MEMORANDUM PAD-HOLDER

Filed Oct. 2, 1957 2 Sheets-Sheet 2

Fig. 3.

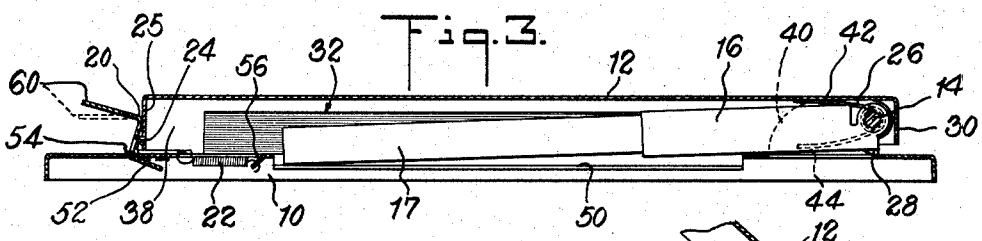


Fig. 4.

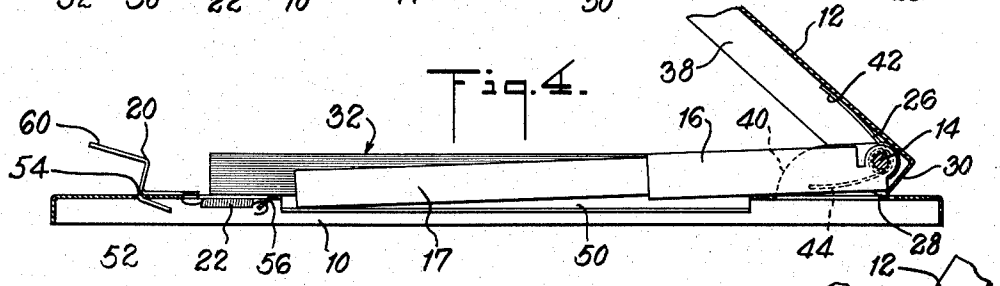


Fig. 5.

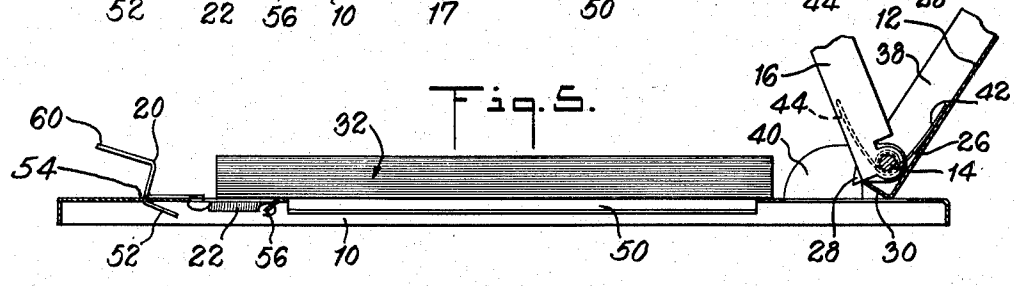
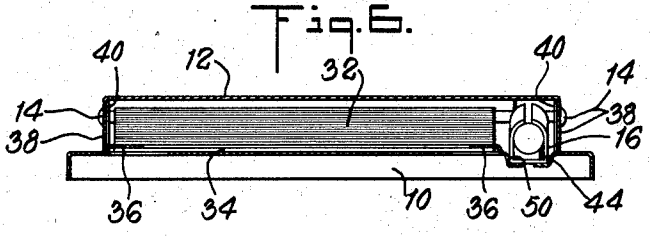


Fig. 6.



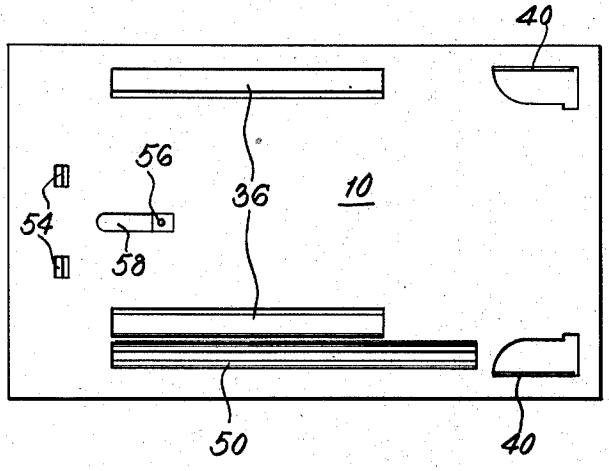


Fig. 7.

INVENTOR:
HILDAUR L. NEILSEN
BY
Robert Henderson
ATTORNEY

United States Patent Office 2,907,584 Patented Oct. 6, 1959

2,907,584

PENCIL-SERVING MEMORANDUM PAD-HOLDER

Hildaur L. Neilsen, Metuchen, N.J.

Application October 2, 1957, Serial No. 687,640

5 Claims. (Cl. 281—15)

This invention relates to improvements in a memorandum pad-holder having a cover which may be caused to swing open by manipulation of a catch and relates more particularly to an arrangement by means of which a pencil within the device is caused to swing angularly to a limited extent with the cover into an attitude in which the pencil is served to the user to enable it to be grasped readily for use in writing and thereafter to be returned readily to its place in the device preliminary to closing of the latter with the pencil therein. The term "pencil" as employed in this description and in the accompanying claims is intended to include not only a pencil but a pen or any other writing instrument.

An important object of the invention is the provision of such a device with such a pencil-serving arrangement.

Another important object is the provision of such an arrangement wherein the pencil is forcibly held precisely a predetermined angle to serve it to a user when the device is open.

Another important object is the provision of such an arrangement wherein the means for thus forcibly holding the pencil at a predetermined angle include means functioning also in opening the device.

Another important object is the provision of means in a memorandum pad-holder enabling a memorandum pad to be easily inserted into and removed from the holder.

The foregoing and other objects are derived from this invention of which a preferred embodiment is shown in the accompanying drawings for illustrative purposes without, however, limiting the invention to that particular embodiment.

In the drawings:

Figure 1 is a perspective view of a device according to a preferred embodiment of this invention, the device being shown in its open condition.

Fig. 2 is a top plan view of said device in closed condition.

Fig. 3 is an enlarged sectional view substantially on the line 3—3 of Fig. 2.

Fig. 4 is a similarly enlarged view sectionalized at the same plane as Fig. 3; the device, however, being partly open.

Fig. 5 is a similarly enlarged view sectionalized at the same plane as Figs. 3 and 4; the device, however, being fully open.

Fig. 6 is a similarly enlarged sectional view substantially on the line 6—6 of Fig. 2.

Fig. 7 is a top plan view of the base plate of the device illustrated in Figs. 1–6.

The illustrated device comprises chiefly a base **10**, a cover **12**, a cross-rod **14** pivotally interconnecting said base and cover at their back ends, a tubular pencil-retainer **16** pivotal upon said rod, a pencil **17** removably disposed in said pencil-retainer, a torque spring **18** normally urging the cover toward its open position, shown in Figs. 1 and 5, a latch **20** pivoted to the base **10** and yieldably held by a tensioned coil spring **22** in manually releasable latching association with a latch detent **24** formed on a front end flange **25** of the cover **12** to hold the device closed as in Figs. 2, 3 and 6, a torque spring **26**, somewhat like spring **18**, for yieldably urging the pencil-retainer **16** away from the cover to an extent positively limited by abutment of a lug **28** on said retainer with the bottom edge of a back end flange **30** of the cover **12**, and a memorandum pad **32**, a bottom cardboard or sheet **34** of which is engaged underneath opposed, parallel retaining flanges **36** struck up from the base **10**, to hold the pad fixedly in the device.

The base **10**, cover **12**, pencil-retainer **16**, and latch **20** may advantageously be of suitable sheet metal, formed as illustrated, and as herein described. The cover, as shown, has side flanges **38** and the base has struck-up lugs **40** and the cross-rod **14** extends through aligned apertures in the flanges **38** and lugs **40** to effect the pivotal connection of the base and the cover. The cover's flanges **25**, **30** and **38** are all of about the same width, said flanges giving to the cover a depth sufficient to enable the cover to enclose the pad **32** upon the base **10**.

The pencil-retainer **16** may be D shaped in cross-section, as best seen in Fig. 6, and may have aligned holes at opposite sides of its inner end through which the rod **14** freely extends. The coils of torque spring **26** extend about the rod **14** between side portions of the pencil-retainer adjacent to the latter's mentioned aligned holes. One end **42** of said spring bears against the inside face of the cover **12** and the other end **44** of said spring seats within an inner corner of the pencil-retainer **16**, thereby being off center and clear of interference with the pencil **17**. The spring **18** is structurally similar to spring **26** but the ends **46** and **48** of spring **18** bear respectively against the inside surface of the cover **12** and against the top surface of the base **10**.

The base **10** is formed with an elongate recess **50** to accommodate therewithin portions of the pencil **17** and the pencil-retainer **16** when the device is closed. The latch **20** has a pair of tongues **52** struck down therefrom and seated or hooked into apertures **54** in the base **10** and the ends of the tension spring **22** are hooked to the back end of latch **20** and to a lug **56** struck down from the base **10** to hold the latch normally in its latching position as shown in full lines in Fig. 3. A part of the base **10** is cut out as at **58** to provide space for the main or coiled portion of spring **22**.

It may be noted, from Fig. 3, that when the device is closed, the bottom edge of the cover's flange **30** is substantially spaced from lug **28** of the pencil-retainer. Hence, at that time, both springs **18** and **26** are applying a torque force tending to open the device because the bottom end of spring **18** is pressing directly against the base while the bottom end of spring **26** is pressing the pencil-retainer against the base.

To open the device to render the pad **32** accessible for use, the user presses downwardly on the top portion **60** of the latch **20**, pivoting the latter as indicated in broken lines in Fig. 3, thereby releasing the cover **12** to respond to the torque stresses in both springs **18** and **26** and thereby start moving upwardly toward its open position.

When such upward movement of the cover progresses to the point illustrated in Fig. 4, the bottom edge of the cover's back flange **30** engages lug **28** so that continued upward movement of the cover causes the pencil-retainer **16** (and the pencil **17** in it) to pivot upwardly in unison with the cover until the latter and said retainer reach their positions shown in Fig. 5 in which the device is fully open and the pencil is held and served to the user at a desired precise angle. Thus, it may be understood that both springs **18** and **26** function during a first part

of the upward movement of the cover, when the leverage of the weight of the cover is most effective and strong spring force is most needed, while thereafter only spring 18 has any cover-moving effect, thereby reducing the force continuing to move the cover upwardly and minimizing or obviating any shock as the cover reaches its fully open position.

To close the device, the user manually swings the cover to its closed, latched position.

The sheets and bottom sheet or cardboard of pad 32 are preferably gummed together in a well-understood manner at either the top or the bottom small side of the pad so that a replacement pad may easily be inserted by sliding the pad's bottom sheet or cardboard endwisely underneath the flanges 36. If desired, a calendar card 62 or other information card may be held in place within the cover underneath the upper ends of the springs 18 and 26.

It should be realized that the disclosed concepts may be utilized in various other structural arrangements without, however, departing from the invention as set forth in the following claims.

I claim:

1. A pencil-serving memorandum pad-holder comprising a base member having means for locating a pad thereon, a cover member pivoted upon said base member, a pencil-retainer pivoted between said members, cover-opening means yieldably urging said cover continuously toward its open position, holding means coacting with and between said cover member and said pencil-retainer to yieldably hold said pencil-retainer in intimate association with said base when said cover is in closed position, pencil-retainer actuating means integral with said cover member and coacting with said retainer during a latter part of opening movement of the cover to pivot said retainer away from said base, and manually releasable latch means for holding the cover closed upon the base; said holding means coacting with and between the two said members to aid said cover-opening means in urging the cover toward its open position only prior to the mentioned latter part of said opening movement of the cover, and said holding means coacting with said pencil-retainer actuating means and the pencil-retainer to hold the latter between and spaced from both said members when the cover is in open position.

2. A pencil-serving memorandum pad-holder comprising a base member having means for locating a pad thereon, a cover member pivoted upon said base member, a pencil-retainer pivoted between said members, cover-opening means yieldably urging said cover continuously toward its open position, holding means yieldably holding said pencil-retainer in intimate association with said base when said cover is in closed position, pencil-retainer actuating means integral with one of said members and coacting with said retainer during a latter part of opening movement of the cover to pivot said retainer away from said base, and manually releasable latch means for holding the cover closed upon the base; said holding means coacting with the two said members to aid said cover-opening means in urging the cover toward its open position only prior to the mentioned latter part of said opening movement of the cover, and said holding means coacting with said pencil-retainer actuating means to hold the pencil-retainer between and spaced from both said members when the cover is in open position; said pencil-retainer being tubular, and said holding means being a coil spring, one end of which extends within said retainer.

3. A pencil-serving memorandum pad-holder comprising a base member having means for locating a pad thereon, a cover member pivoted upon said base member, a pencil-retainer pivoted between said members, cover-opening means yieldably urging said cover continuously toward its open position, holding means yieldably holding said pencil-retainer in intimate association with said base when said cover is in closed position, pencil-retainer actuating means integral with one of said members and coacting with said retainer during a latter part of opening movement of the cover to pivot said retainer away from said base, and manually releasable latch means for holding the cover closed upon the base; said holding means coacting with the two said members to aid said cover-opening means in urging the cover toward its open position only prior to the mentioned latter part of said opening movement of the cover, and said holding means coacting with said pencil-retainer actuating means to hold the pencil-retainer between and spaced from both said members when the cover is in open position; said holding means comprising a spring, stressed between the cover and the pencil-retainer and urging the latter toward said base.

4. A pencil-serving memorandum pad-holder according to claim 3, said pencil-retainer being in engagement with the base prior to the mentioned latter part of the opening movement of the cover whereby to render the force of said spring effective between the base and the cover to aid said cover-opening means in urging the cover toward its open position.

5. A pencil-serving memorandum pad-holder according to claim 3, said pencil-retainer being clear of engagement with the base during the mentioned latter part of the opening movement of the cover whereby to leave the said cover-opening means as the sole means for completing the opening movement of the cover.

References Cited in the file of this patent

FOREIGN PATENTS

463,099 Canada ---------- Feb. 14, 1950