Nov. 18, 1930. J. B. KEMP 1,781,782

PAD HOLDER

Filed Dec. 4, 1929 2 Sheets-Sheet 1

Fig. 1

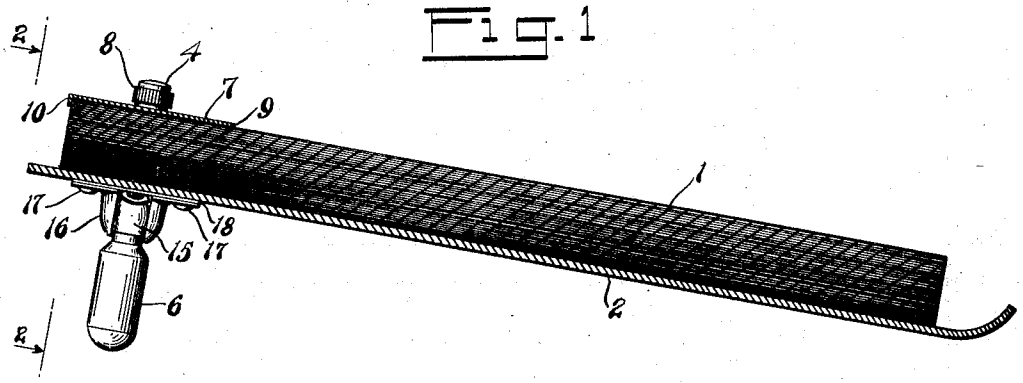


Fig. 2

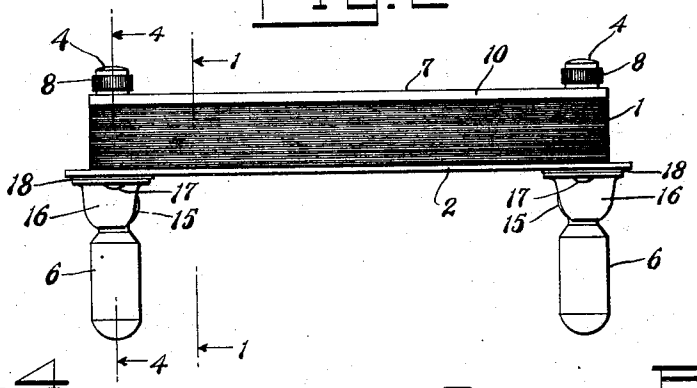


Fig. 4

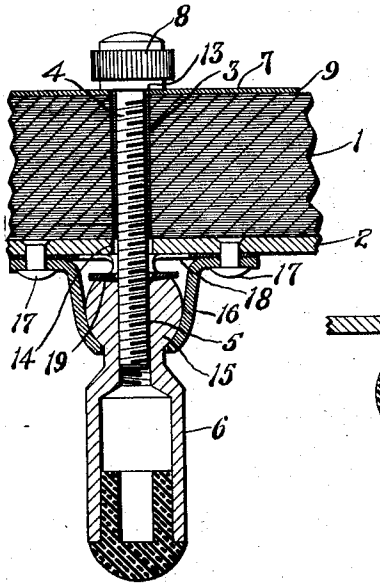


Fig. 6

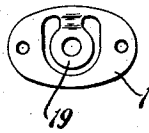


Fig. 3

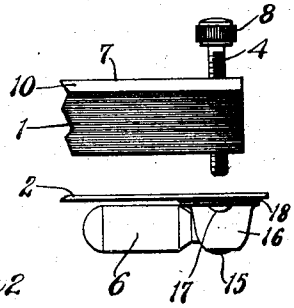
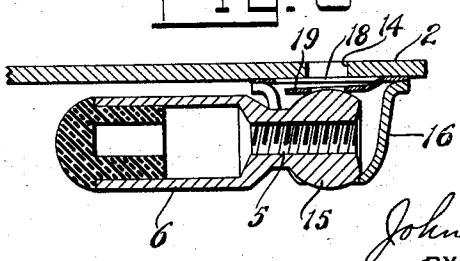


Fig. 5



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Fig. 7

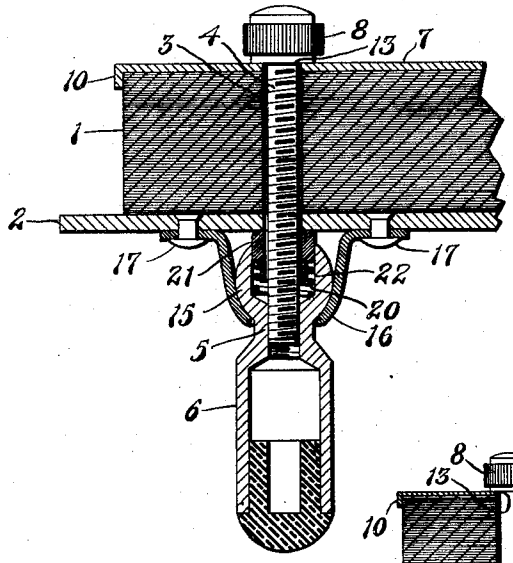


Fig. 8

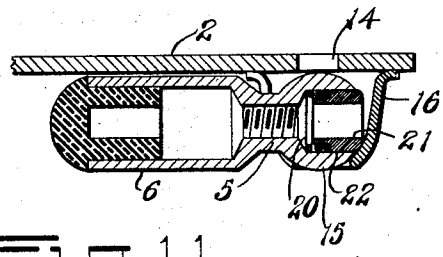


Fig. 11

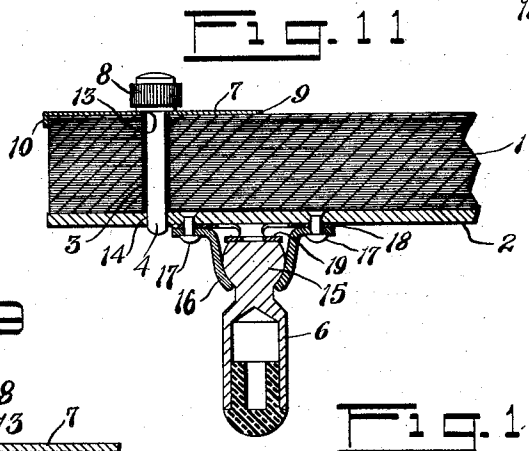


Fig. 9

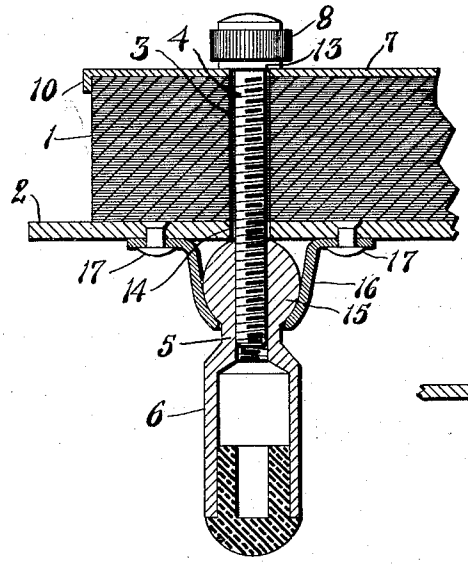


Fig. 10

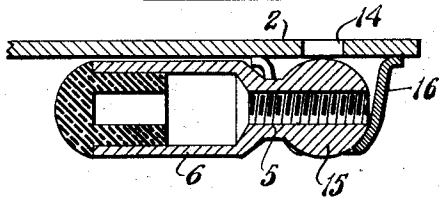
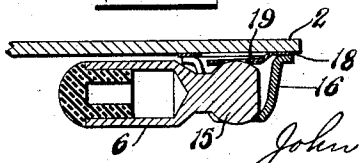


Fig. 12



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UNITED STATES PATENT OFFICE

JOHN B. KEMP, OF RIDGEWOOD, NEW JERSEY, ASSIGNOR TO CLARK LOOSE LEAF MANUFACTURING COMPANY, A CORPORATION OF NEW YORK

PAD HOLDER

Application filed December 4, 1929. Serial No. 411,427.

My invention relates generally to a holder adapted to retain a calendar, writing or other memorandum pad in position, and more particularly to an arrangement for holding a group of superposed members in proper relation and in angular position with reference to a supporting surface.

In various forms of calendars where a daily pad is attached thereto and where it is desired to have means so that the pad can be quickly replaced by a new pad or to check up the slack between the leaves to hold the remaining portions firmly in place, it is most desirable to have means which are quickly and easily adjustable, and it is one of the objects of my invention to provide means which will permit one to easily and quickly adjust the pad. I have also found that the old style pad which lies flat on the desk is objectionable and that it is very desirable to have the pad in an inclined angular position, and it is one of the objects of this invention to provide such means to hold the pad in an inclined position.

Another more important object of the present invention is to provide a pad holder having foldable standards for supporting the pad in inclined position and which are foldable to positions parallel with the base so that the device will require small space in shipping.

A further object of the invention is to provide in a device of the character described means for shipping the device in assembled position with the leaves secured to the base and with the standards assembled but without the standards extending from the base.

A further object of the invention is to provide in a pad holder pivotally mounted standards including in their assembly means for resiliently securing the standards in extending supporting position.

Another object of the present invention is to provide in a pad assembly means whereby the pad securing means may act to secure foldable standards in vertical supporting position.

Another object is to produce a device of the character described in which the maximum simplicity of construction and operation is secured.

Other objects and advantages will appear as the nature of the improvements is better understood, the invention consisting substantially in the novel arrangement and co-relation of instrumentalities herein fully described, and illustrated in the accompanying drawings, wherein similar reference characters are used to describe corresponding parts throughout the several views, and then finally pointed out and specifically defined and indicated in the appended claims.

The disclosure made the basis of exemplifying the present inventive concept suggests a practical embodiment thereof; but the invention is not to be restricted to the exact details of this disclosure, and the latter, therefore, is to be understood from an illustrative, rather than a restrictive, standpoint.

The inventive idea involved is capable of receiving a variety of mechanical expressions, only a few of which, for the purposes of illustration, are shown in the accompanying drawings, in which—

Fig. 1 is a view partially in section of one form of the present invention in position on a desk;

Fig. 2 is an end view of Fig. 1 as shown by the lines 2—2 of Fig. 1 and shows by the lines 1—1 the section through which Fig. 1 is taken;

Fig. 3 is a detail side elevation of the device shown in Figs. 1 and 2 partially disassembled;

Fig. 4 is an enlarged detail sectional view taken on lines 4—4 of Fig. 2;

Fig. 5 is a detail view of this form of the invention folded for shipping;

Fig. 6 is a detail view of the spring leg retaining member;

Fig. 7 is a view similar to Fig. 4 of a modified form of the invention;

Fig. 8 is a view similar to Fig. 5 of that form of the invention shown in Fig. 7;

Fig. 9 is a view of a further modification of the invention, the view being similar to Figs. 4 and 7;

Fig. 10 is a view similar to Figs. 5 and 8 of the form of the invention shown in Fig. 9;

Fig. 11 is a view similar to Figs. 4, 7 and 9 of a further simplified modification;

Fig. 12 is a view similar to Figs. 5, 8 and 10 of that form of the invention shown in Fig. 11.

In the drawings, 1 represents a pad, which, for the purpose of illustration is a calendar pad, said pad resting upon a base 2. The pad is provided with perforations 3 for the reception of a binding screw 4, which enters a socket 5 in a standard 6, said socket being provided with corresponding internal screw threads for engaging with the external screw threads of the screw 4. On top of the pad 1 is set a plate 7 which is provided with openings 13, corresponding with the perforations 3 in the pad 1. When the binding screw 4 is inserted through the opening 13 in the plate and the opening 3 in the pad and inserted into the socket 5 of the standard 6 and properly adjusted, the head 8 of said screw then holds the plate, pad and standard together and the pad is firmly held on the base, the said base being then inclined, as clearly illustrated in Fig. 1. The plate 7 performs another function in that the edge 9 acts as a cutting edge for the purpose of cleanly severing the leaves of the pad when desired. The rear edge 10 of the plate 7 is provided with a flange as shown which assists in providing proper alignment of the leaves on the base.

In that form of the invention shown in Figs. 1 to 5 of the drawings it will be seen that the upper ends of the standards 6 are provided with substantially spherical heads 15. The standards are secured to the base 2 by sockets 16 secured thereto by rivets or the like shown at 17.

For frictionally securing the standards in folded or extended position, a resilient washer 18 is provided having an apertured central spring tongue 19. As shown in Fig. 5 when the standard is folded to lie against the base 2 the washer presses against the head 15 thereof, thus frictionally holding the standard in adjusted position. With the standard in vertical position, the spring tongue lays against the flattened upper end of the head as shown in Fig. 4, thus more firmly holding the standard in extending supporting position. As shown most clearly in Fig. 1, the sockets 16 are provided with slots through which the standards extend, the slots herein lying in position to provide for transverse parallel position of the standards.

For more securely holding the standards in extending position, the head 15 is internally threaded to receive the externally threaded end of the screws 4 which pass through apertures 14 in the base 2. This engagement of the screws 4 in the heads 15 prevents accidental pivotal movement of the standards 6 thus releasably securing the standards for vertical position when in use, and providing for partial disassembly as shown in Fig. 3 whereby the standards may be pivotally moved to lie against the base for shipment in minimum space and whereby the screws 4 may retain their association with the pad 2 and plate 7 to maintain the parts in readily assembled position.

Referring more particularly to Figs. 7 and 8 of the drawings, it will be seen that a modified form of the invention is provided in which a coil spring 20 is provided in association with a piston-like plunger 21, both of which are receivable within a central bore 22 of the head 15 of the standard 6. By this construction the plunger is normally urged out from the bore 22 so that as in Fig. 7 its flat surface may contact with the base 2 when the standard is in extended position. Thus resilient means are provided to assist in maintaining the standard vertical. The plunger is centrally apertured as shown to receive the screws 4 therethrough so as to permit association therewith of the standard to provide the positive lock for the standard in extended position.

Referring to Figs. 9 and 10 of the drawings, a further and more simplified form of the invention is presented. In this form frictional engagement of the head 15 in the socket 16 provides for the retention of the standard in folded position shown in Fig. 10, while the simple reception of the screw 4 in the standard 6 retains the standard in the locked extending position shown in Fig. 9.

By reference to Figs. 11 and 12, it will be seen that the locking of the standards 6 in extended position by the screws 4 is not essential. In this form of the invention the construction is similar to that form of the invention shown in Figs. 1 and 5, a spring tongue 19 of the washer 18 being utilized to provide simple spring tension for maintaining the standard in either of its adjusted positions. In this form of the invention the holes 3, 13 and 14 are not in alignment with the standards 6; thus the screws 4 may be positioned to secure the pad upon the base 2 without engagement with the standard. If desired the screws 4 may be in the form of that shown in the other forms of the invention. However, this is not essential, as shown in the drawings, the screws 4 have no threads and engage by simple frictional engagement the walls of the aperture 14 of the base 2. This form of the invention is subject to either of the modifications of standard to base assembly shown in Figs. 7 and 8 or 9 and 10, the advantage being that in shipment the screws 4 retain the pad 1 and plate 9 to the base 2 without the necessary retention of the standards in extended position as is required in the other forms of the invention shown.

In accordance with the provisions of the patent statutes, I have described the principle of my invention, together with the device which I now consider to represent a practical

embodiment thereof, but I desire it understood that my invention is not confined to the particular form of device herein shown and described, the same being merely illustrative, and that the invention can be carried out in other ways without departing from the spirit of my invention, and, therefore, I claim broadly the right to employ all equivalent instrumentalities coming within the scope of the appended claims, and by means of which the objects of my invention are attained, and the new results accomplished, as herein set forth, as it is obvious that the particular embodiments herein shown and described are only some of many that can be employed to attain these objects and accomplish these results.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is:—

1. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said standards including substantially spherical heads, said base including sockets for pivotally retaining said heads with respect to said base.

2. A pad holder including a base and a pair of independently pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, and resilient means for securing said standards in pivotally adjusted position.

3. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, and means for securing said standards in pivotally adjusted position, said means including a spring associated between said standard and said base.

4. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, and means for securing said standards in pivotally adjusted position, said means including a spring associated between said standard and said base, said spring constituting a washer mounted between said base and socket and having a central spring tongue adapted to bear against said standard to retain the same in position.

5. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said standards including substantially spherical heads, said base including sockets for pivotally retaining said heads with respect to said base, and means for securing said standards in pivotally adjusted position, said means including a spring associated between said standard and said base.

6. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said standards including substantially spherical heads, said base including sockets for pivotally retaining said heads with respect to said base, and means for securing said standards in pivotally adjusted position, said means including a spring associated between said standard and said base, said spring constituting a washer mounted between said base and socket and having a central spring tongue adapted to bear against said standard to retain the same in position.

7. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said base including pad retaining members adapted to cooperate with said standards to retain said standards in extending supporting position.

8. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said base including pad retaining members adapted to cooperate with said standards to retain said standards in extending supporting position, said members being screw-threaded for reception in threaded bores of said standards.

9. A pad holder including a base and pivoted standards associated therewith for movement to extended position for supporting said base in inclined position with respect to a supporting surface, said base including pad retaining members adapted to cooperate with said standards to retain said standards in extending supporting position, said members being screw-threaded for reception in threaded bores of said standards, and spring means associated with said standards for retaining them in adjusted position.

10. A pad holder adapted to removably receive a pad, including a base having pivoted supporting standards associated therewith to be extended to support said base in inclined position and foldable to lie parallel with the base when in folded unsupporting position, and resilient means for retaining said standards in folded position.

11. A pad holder including a base and supporting standards therefor foldable in a transverse plane of said base.

12. A pad holder including a base and supporting standards therefor foldable in a transverse plane of said base to lie parallel with said base.

13. A pad holder including a base and supporting standards therefor foldable in a

transverse plane of said base to lie parallel with said base and foldable into supporting position at right angles to said base.

14. A pad holder including a base and supporting standards therefor foldable in a transverse plane of said base to lie parallel with said base and foldable into supporting position at right angles to said base, and resilient means for retaining said standards in folded position.

This specification signed this 2nd day of December, 1929.

JOHN B. KEMP.