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H. HAHN

1,891,414

WRITING AND DRAWING PAD

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2 Sheets-Sheet 1

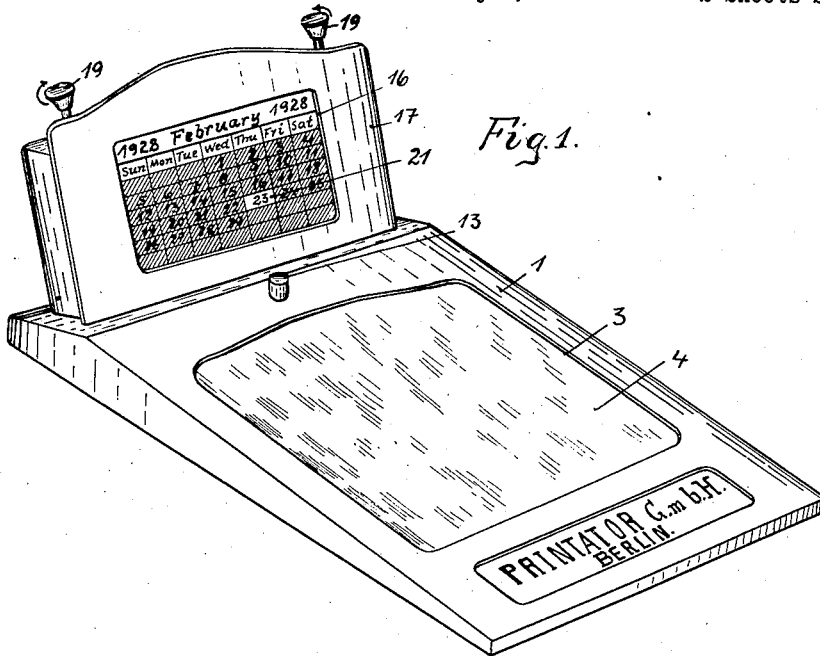
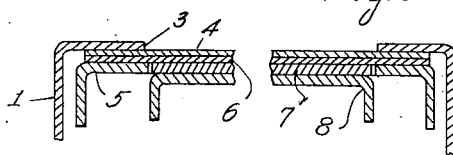
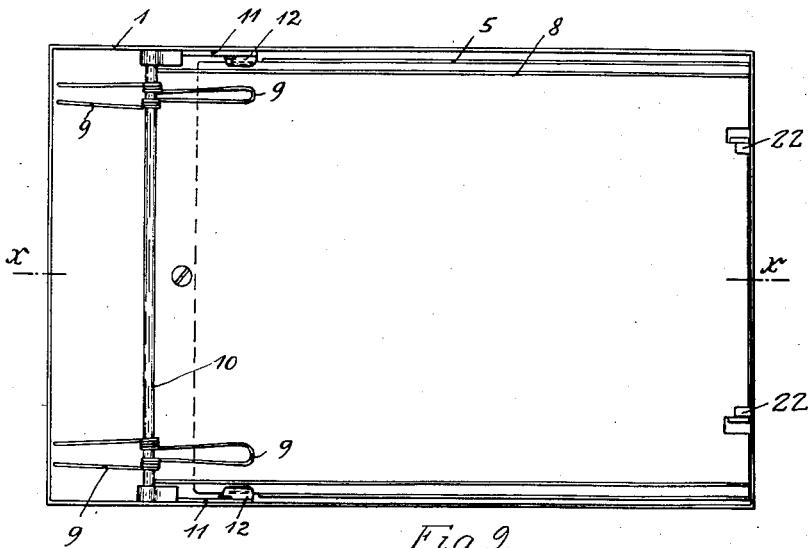


Fig. 2.



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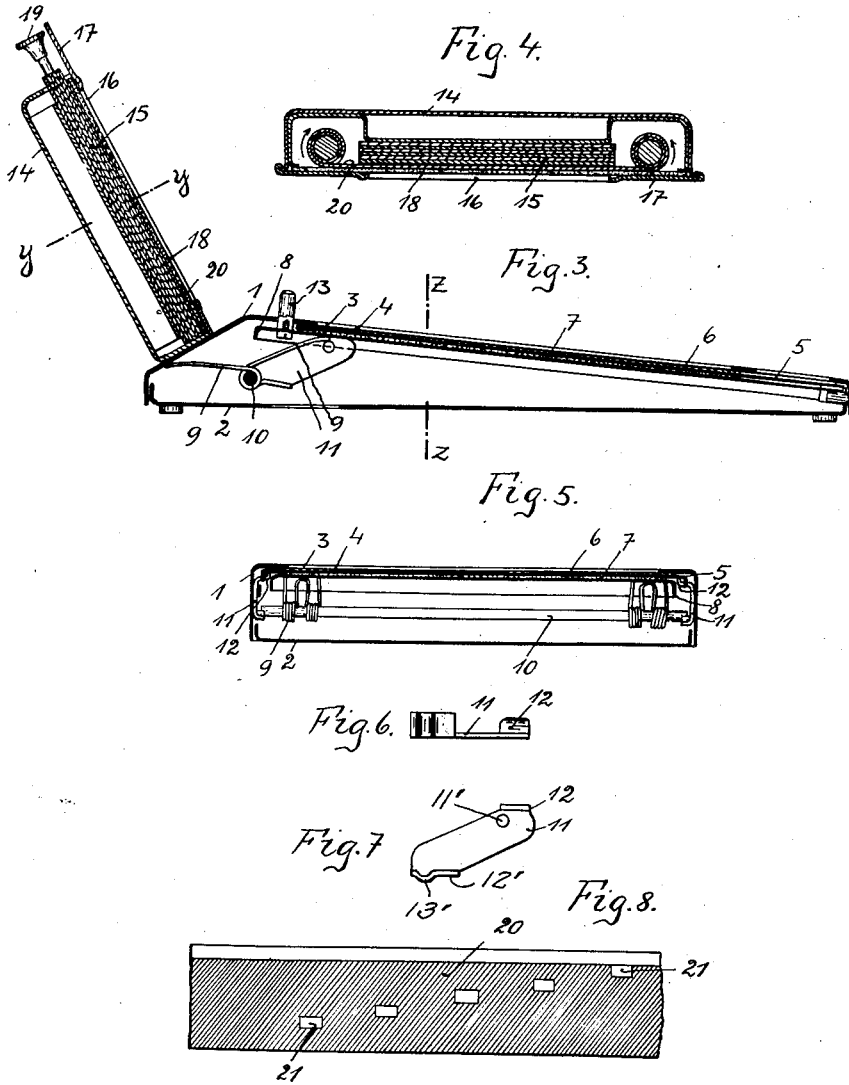
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2 Sheets-Sheet 2



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# UNITED STATES PATENT OFFICE

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## WRITING AND DRAWING PAD

Application filed July 2, 1928, Serial No. 289,905, and in Germany March 8, 1928.

My invention relates to improvements in writing and drawing pads, and more specifically to such a pad in which above a dark colored foundation plate provided with an adhesive layer, such as wax, paraffin or the like there is arranged a transparent sheet of paper adapted to be lifted off and above this sheet a transparent protective layer of a durable material. My invention is particularly characterized by the fact that the detachment of the adhesive layer from the sheet of paper is effected by depressing a button or knob which lifts the adhesive layer off the sheet of paper. According to my invention the frame carrying the adhesive layer as well as the frame carrying the sheet of paper are easily exchangeable. Both frames are according to my invention controlled by springs which force them against the protective layer consisting of durable material. The spindle carrying the springs is detachably guided in rotatable bearings, the springs acting directly upon the frame carrying the adhesive layer and forcing the bearing parts by means of bent noses against the frame carrying the sheet of paper. My invention is combined with a permanent calendar of any suitable design. The calendar may, for instance, consist of a box or case provided in front with a window through which cards are visible, which indicate the year, the month, the days of the week and the dates of the latter, a transparent strip being movable in front of the card visible for the time being, which strip is provided with windows, longitudinal openings or the like to indicate the date of the day. Instead of such a permanent calendar, a calendar with manually movable cards or cards movable or rotatable in any other manner may be combined with my improved writing or drawing pad.

An embodiment of my invention is illustrated in the drawings affixed hereto and forming part of my invention:

45 In the drawings is:

Fig. 1, a perspective view of my improved pad,

Fig. 2, an inverted plan,

Fig. 3, a section along line 3-3 of Fig. 2,

50 Fig. 4, a section along line 4-4 of Fig. 3,

Fig. 5, a section along line 5-5 of Fig. 3,  
Fig. 6, a plan, and

Fig. 7, a side-elevation a bearing for the spindle carrying the springs.

Fig. 8 is a view of the transparent strip. 55

Figure 9 is an enlarged transverse section, parts broken away to clearly illustrate the details of construction.

Like parts are indicated by like numerals of reference throughout all the figures of the drawings. 60

Referring to the drawings, it will be seen that my improved writing and drawing pad or desk consists of a preferably inclined, shallow box or casing 1 which is provided with a detachable bottom 2. At the top the box is provided with a window 3 and behind it is located a protective layer 4 consisting of a durable material, as celluloid or the like. Against it is forced a sheet of paper 6 located upon a frame 5. Against the sheet of paper 6 is pressed an adhesive layer 7 fixed to the frame 8. 65

The two frames 5 and 6 are held at one end against each other and the under side of the top of the casing 1 by projections 22 extended inwardly from one end wall of the casing. The projections serve to hold the frames in proper relation one to the other and to the casing while at the same time permitting a slight swinging movement of one of the frames. At the end opposite the projections 22 the side walls of the casing are provided with bearing strips 11 pivotally connected to the side walls at 11', the upper ends of the bearing strips having lateral ears 12 and their lower ends, lateral ears 12' formed to provide half bearings 13'. The shaft 10 is supported in these half bearings extending transverse the casing 1 and being, in the absence of the spring holding means to be described, freely movable upwardly relative to the strips. Springs 9 are coiled about the shaft 10 near the ends thereof, the springs being preferably formed of a loop section underlying and bearing against the bottom of the frame 8, each arm of the loop being coiled about the shaft and the terminals of the coils being extended to bear against the under side 75  
80  
85  
90  
95  
100

of the rear wall of the casing 1, as clearly shown in Fig. 9.

As applied, the ears 12 of the bearing strips 11 underlie the frame 5, as shown in Fig. 2, and as the springs 9 exert a downward pressure on the shaft 10, the bearing strips 11 are normally held on their pivots in a position to hold the frame 5 in contact with the under side of the top wall of the casing 1. Furthermore, the loop portions of the springs 9 underlie the frame 8 to hold the latter normally in contact with the frame 5. Upon the end of the frame 8 adjacent the shaft 10 is secured a button 13 which projects through an opening in the top wall 1 of the casing. Obviously, pressure upon the free end of the button 13 will depress the frame 8 with respect to the frame 5 without permitting the latter to move.

For the purpose of removing the adhesive layer 7 or the sheet of paper 6 the spindle 10 with the springs 9 is lifted out of its bearings 11 whereupon first the frame 8 with the adhesive layer 7 and the push button 13 and then the frame 5 with the sheet of paper 6 can be easily withdrawn.

With the improved writing and drawing pad or desk is firmly or detachably combined a permanent calendar of any suitable design or construction. In the case illustrated by way of example it consists of a box 14 in which are accommodated loose cards 15 upon which are inscribed the year, the month, the days of the week and the dates of the latter. In front of any card which may be exposed and which appears in a window 16 of the front wall 17 there is located a pane of glass 18. Between the visible card and the glass there is adapted to be moved in one direction or the other by the aid of the studs 19 a transparent strip 20, which renders a particular date clearly visible and at the same time materially detracts from the visibility of the other dates. In the embodiment illustrated the transparent strip 20 is, as far as it covers the dates opaque or colored and provided with highly transparent windows 21. In this way the correct date of the day becomes visible from some distance, while the remaining figures are still sufficiently visible to determine the date of any desired day of the week.

Various modifications and changes may be made without departing from the spirit and the scope of the invention, and I desire, therefore, that only such limitations shall be placed thereon as are imposed by the prior art.

I claim as my invention:

1. A writing pad including a casing having a top wall formed with an opening, a plurality of elements underlying the opening and including an element presenting a dark adhesive face, an immediately superimposed element of transparent paper and a further superimposed element of a flexible transpar-

ent material, means for normally holding all of said elements in contact, and means for moving the element with the dark adhesive surface in a direction away from the transparent paper.

2. A writing pad including a casing having the upper wall formed with an opening, a plurality of frames supported in the casing and immediately underlying the opening, one of the frames carrying a sheet of transparent paper and a sheet of flexible transparent material overlying the paper, the other of said frames carrying a section presenting an adhesive face of dark color immediately beneath the transparent paper, and means for swinging the latter frame away from the first mentioned frame.

3. In a writing pad, a casing having the top wall formed with an opening, a frame underlying the opening and carrying a sheet of transparent paper and a superimposed sheet of flexible transparent material, the frame being arranged to cause said transparent material to be accessible through the opening in the casing, a second frame underlying the first mentioned frame and presenting a section of a darkened adhesive surface to underlie the paper of the first frame, a spring means for holding the second frame in contact with the first mentioned frame, and means for moving the second frame relative to the first mentioned frame against the tension of the spring means.

4. A writing pad including a casing having the top thereof formed with an opening, a frame arranged within the casing, projections on the casing for supporting one end of the frame, bearing strips pivotally connected to the frame for supporting the opposite end of the frame, a shaft mounted in said bearing strips, a second frame underlying the first frame and held at one end by said projections, springs carried by the shaft and bearing against the second frame, said springs acting through the bearing strips to hold the first mentioned frame in contact with the under surface of the casing, means carried by the respective frames to render visible a marking impression, and means for moving the second frame relative to the first to cause said marking impression to disappear.

5. A writing pad including a casing having the top wall thereof formed with an opening, a frame arranged in the casing and held at one end against separation from the casing, bearing strips carried by the casing to hold the opposite end of the frame in contact with the under side of the top wall of the casing, a transparent sheet of paper, a superimposed transparent sheet of flexible material held by said frame in contact with the under side of the top wall of the casing and in position to bridge the opening therein, a second frame movably held at one end with respect to the casing and underlying the first

frame, spring means for holding the second frame in contact with the first frame, an impression section carried by the second frame having a dark adhesive surface, and means operative from beyond the casing for depressing the second frame with respect to the first frame.

6. A writing pad including a casing having the top wall thereof formed with an opening, a frame arranged in the casing and held at one end against separation from the casing, bearing strips carried by the casing to hold the opposite end of the frame in contact with the under side of the top wall of the casing, a transparent sheet of paper, a superimposed transparent sheet of flexible material held by said frame in contact with the under side of the top wall of the casing and in position to bridge the opening therein, a second frame movably held at one end with respect to the casing and underlying the first frame, spring means for holding the second frame in contact with the first frame, an impression section carried by the second frame having a dark adhesive surface, and a button carried by the second frame and extending through the top wall of the casing to permit the second frame to be depressed relative to the first mentioned frame against the tension of said spring means.

7. A device of the class described, comprising in combination, a casing, a base member mounted in said casing, a layer of tissue material supported on said casing, whereby pressure upon said layer by a pointed instrument, causes said layer to adhere to said base to show the path of said instrument, a spring in said casing normally pressing said base member against said layer, and means carried in said casing by which to facilitate separating said layer and said base.

8. A device of the class described comprising in combination, a casing, a supporting member pivotally mounted in said casing, a base member carried by said supporting member, a spring support for said supporting member within said casing means cooperating with said base member to display the path made by a pointed instrument, and means mounted on said supporting member to facilitate moving said supporting member and the base member carried thereby away from said first mentioned means to obliterate said display.

9. A device of the class described comprising in combination, a casing, a supporting member pivotally mounted in said casing at one end thereof, a spring within said casing resiliently supporting the other end of said supporting member, a base member carried by said supporting member, means cooperating with said base member to display the path made by a pointed instrument, and means to facilitate moving said supporting member and the base member carried thereby away

from said first mentioned means to obliterate said display.

10. A device of the kind described comprising a casing, having an apertured top cover, a base member movably mounted in said casing adapted to normally lie adjacent said top cover, spring means within said casing supporting said base member against said cover, a layer of tissue material supported on said casing over said base member whereby pressure upon said layer by a pointed instrument causes said layer to adhere to said base to display the path of said instrument, and a device for separating said layer and base to thereby obliterate said display.

11. A memorandum pad comprising a rectangular casing provided with an inclined top wall and a removable bottom wall, said top wall having a window opening therein, a frame member within said casing, a glossy transparent sheet supported by said frame member, a soft tissue sheet also carried by said frame member and disposed beneath said transparent sheet, a plate loosely mounted in said casing, a wax coating on the top side of said plate, springs interposed between said plate and said bottom wall for urging said plate toward said top wall to cause the waxed coating thereon to engage said tissue sheet and for holding said frame members against said top wall, and manipulative means associated with said plate and disposed exteriorly of said casing whereby said plate may be depressed against the action of said spring, substantially as and for the purpose specified.

In testimony whereof I affix my signature.  
HUGO HAHN.