Jan. 10, 1928. 1,655,911

H. M. MAGID

DESK FOUNTAIN PEN HOLDER

Filed May 16, 1927

Fig. 1.

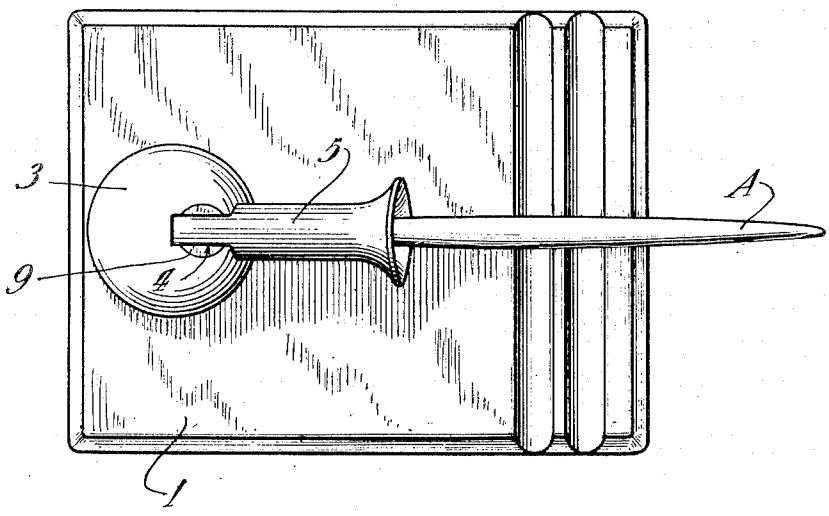



Fig. 2.

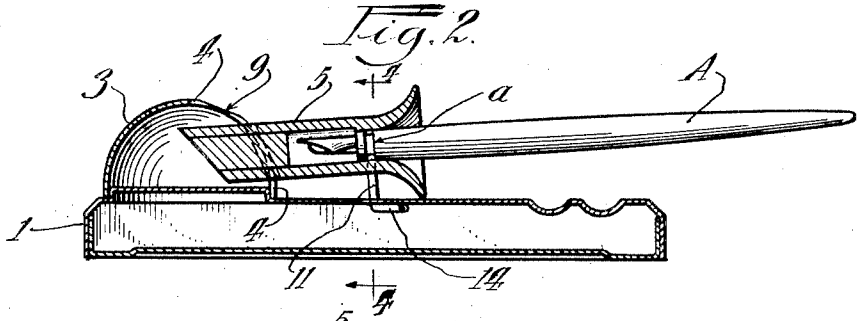



Fig. 3.

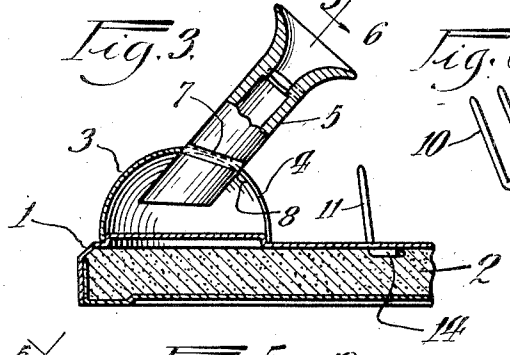
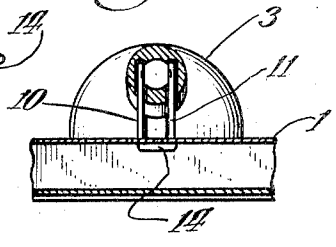



Fig. 6.

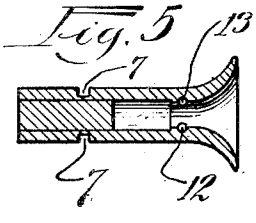



Fig. 4.




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Fig. 5




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# UNITED STATES PATENT OFFICE.

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## DESK FOUNTAIN-PEN HOLDER.

Application filed May 16, 1927. Serial No. 191,571.

The present invention has for its object to produce a simple and novel desk device for holding the modern desk fountain pen when in use.

A further object of the present invention is to produce a device of the character referred to above, in which the pen will be securely locked when not in use, so that the pen cannot accidentally drop out of the holder.

The various features of novelty whereby my invention is characterized will hereinafter be pointed out with particularity in the claims; but, for a full understanding of my invention and for its objects and advantages, reference may be had to the following detailed description taken in connection with the accompanying drawing, wherein:

Figure 1 is a top plan view of one of my improved holders, with a pen mounted therein; Fig. 2 is a vertical central longitudinal section through the device; Fig. 3 is a view similar to Fig. 2, showing the movable portion of the holder in its raised or released position, the pen being omitted and the base being shown filled with a plastic material to give it weight; Fig. 4 is a section taken on line 4—4 of Fig. 2; Fig. 5 is a section through the tubular holding element on line 5—5 of Fig. 3; and Fig. 6 is a perspective view of the locking element for the pen.

Referring to the drawing, 1 represents a base of any suitable material, preferably sheet material as, for example, celluloid fashioned to produce a hollow block or slab which, if desired, may be filled with a plastic material 2, as indicated in Fig. 3. On top of the base, at about the middle of the rear end, is a semi-spherical dome 3, also preferably made of sheet material, preferably resilient sheet material such as celluloid, for example. The dome has extending through the front half a slot 4 arranged in a vertical plane. The pen holder consists of a tubular element 5 having at one end a flaring mouth 6 and closed at its opposite end, the holder having in opposite sides, near the closed or inner end, grooves 7 cut across the same so as to leave between the bottoms thereof a neck having a thickness about equal to the width of the slot 4. This neck is introduced into the slot through the open end of the dome, before the latter is fastened to the base, and thereafter the holder remains permanently attached to the base. The width of the grooves 7 is preferably such that the material of the dome at the sides of the slot must flatten itself more or less in order to enter the grooves. The diameter of the tubular holder is much less than one-fourth of the circumference of the dome, and therefore the holder may be swung up and down about the center of the dome as an axis, riding bodily along the slot during such movements. If desired, the material of the dome, at each side of the slot may be pressed downwardly or inwardly to form little projections 8 that lie just in front of the tubular holder when the latter is swung up, and yieldingly lock the holder in its raised position. The dome may be provided with a flattened spot 9, extending on both sides of the slot at the upper end of the latter, this flattened spot lying within the grooves in the holder and eliminating the frictional grip of the holder on the material of the dome when the holder is raised.

The tip of a pen, such as indicated at A, may be inserted through the flaring mouth of the holder and the holder be left either in the position shown in Fig. 3 or be swung down into the position shown in Fig. 2. The pen should be a reasonably close fit in the holder, thus avoiding circulation of air and consequent drying of the ink that there may be at the tip of the pen.

In accordance with a second feature of my invention, I provide means for locking the pen in the holder when the latter is swung down into a position almost parallel with the base. In the arrangement shown, this means consists of a pair of pins 10 and 11 projecting upwardly from the base in the path of the front end of the holder when the latter is swung down. The holder is provided with holes 12 and 13, near the front end thereof, through which the pins project when the holder is in its lowermost position. The pen, as shown in Fig. 2, contains a groove *a* near the front end, so as to form on the pen a reduced neck portion having a diameter approximately the same as distance between the pins. Therefore, when the holder, with the pen in place, is swung down from a raised position, the pins will enter the groove in the pen at opposite sides and lock the pen

securely to the holder. When the holder is swung up again, the pen is released. In other words, the pen is automatically locked to the holder by the act of swinging the holder into a position to bring the pen approximately horizontal with the base and is again unlocked by the act of swinging the holder upwardly.

When the base is made of material such as celluloid, that does not possess great mechanical strength, the two pins may form the ends of a U-shaped wire bent between its ends along the line at right angles to the two pins to produce a foot portion 14 that will underlie the top wall or sheet of the base and distribute over a considerable area the stresses that may be imposed on the base through the pins.

It will thus be seen that I have produced a simple and attractive holder in which a pen may be supported at an acute angle or in an approximately horizontal position, without using pivot pins of any kind for the swinging holder, and which will automatically lock the pen to the holder when it is brought into an approximately horizontal position.

While I have illustrated and described with particularity only a single preferred form of my invention, I do not desire to be limited to the exact structural details thus illustrated and described; but intend to cover all forms and arrangements which come within the definitions of my invention constituting the appended claims.

I claim:

1. A device of the character described, comprising a base, a hollow dome on the base provided with a vertical slot, and a holder lying partly within and partly outside of the dome and having a reduced neck portion arranged in the slot, the width of the holder in the direction of the length of the slot being considerably less than the length of the slot.

2. A device of the character described, comprising a base, a hollow dome of resilient material mounted on the base and having a vertical slot therein, and a holder wider than the slot lying partly in the dome and partly outside of the same, the holder being grooved to form a reduced neck portion arranged in the slot, the grooving being proportioned to cause the material of the dome beside said neck to be temporarily distorted and produce a frictional grip between the holder and the dome.

3. A device of the character described, comprising a base, a hollow dome on the base provided with a vertical slot, and a holder lying partly within and partly outside of the dome and having a reduced neck portion arranged in the slot, the width of the holder in the direction of the length of the slot being considerably less than the length of the slot, and the material of the dome being displaced beside the slot to form a projection adapted to lie in front of the holder when the latter is in its raised position.

4. A device of the character described, comprising a base, a hollow dome on the base provided with a vertical slot, and a holder lying partly within and partly outside of the dome and having a reduced neck portion arranged in the slot, the width of the holder in the direction of the length of the slot being considerably less than the length of the slot, the dome having a flat spot at the upper end of the slot throughout an area corresponding to the overlying portion of the holder when the latter is raised.

5. A device of the character described, comprising a base, a hollow semispherical dome of resilient material on the base having in the front side a vertical slot, and a holder considerably narrower than the length of the slot lying partly within and partly outside of the holder, the holder having in the side straight opposed grooves to form a reduced neck to fit the slot, the width of the grooves being such as to cause those portions of the dome beside the slot to be flattened somewhat when they enter the grooves.

6. A device of the character described, comprising a base, a holder for a pen mounted on said base for swinging movements in a vertical plane, a pen-locking pin projecting up from the base in the path of the holder, and the holder having a hole therein to receive the pin.

7. A device of the character described, comprising a base, a holder mounted on said base for swinging movements in a vertical plane, said holder having a socket in its free end to receive the end of a pen, a pin extending up from the base in position to intersect said socket when the holder is swung down, and there being a hole in the underside of the holder to receive the pin.

8. A device of the character described, comprising a base, two parallel pins rising from the base and spaced a short distance apart, a holder for a pen mounted on the base to swing up and down from the pins about an axis parallel with the plane of the pins, said holder having two holes to permit the entry of the pins and a socket for a pen intersecting said holes and having a width greater than the shortest distance between said holes.

9. In combination, a pen having a groove extending around the same near the tip, a holder for the pen having a socket to receive the grooved end and an opening through one side intersecting said socket, a support on which the holder is movably mounted, and a pin on said support in position to enter said opening when the holder is in one position and to be clear of the socket in the

holder when the holder is in a second position.

10. In combination, a pen having a groove extending around the same near the tip to form a reduced neck on the pen; and a support comprising a holder having a socket and holes intersecting the socket and spaced apart a distance about equal to the diameter of said neck, a base on which the holder is mounted to swing in a vertical plane with said holes disposed on the underside, and pins projecting upwardly from the base in position to enter said holes.

In testimony whereof, I sign this specification.

HARRY M. MAGID.