C. M. DEASON.

PAPER FILE.

APPLICATION FILED DEC. 11, 1918.

1,305,589.

Patented June 3, 1919.

FIG. 1

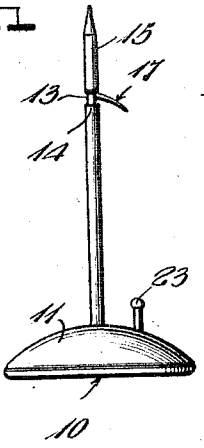


FIG. 2

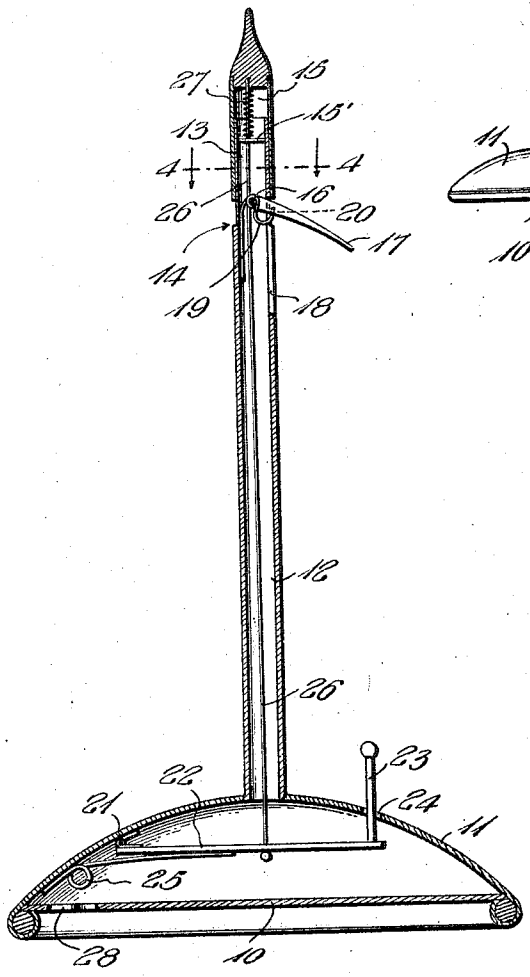


FIG. 3

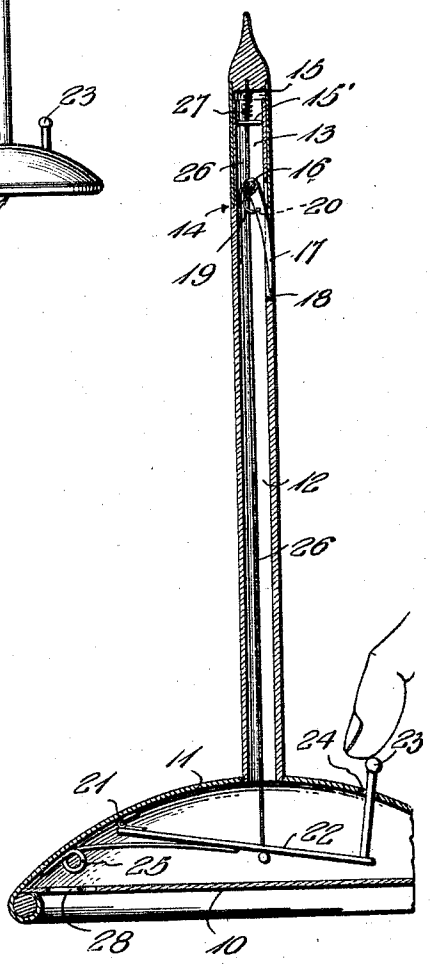
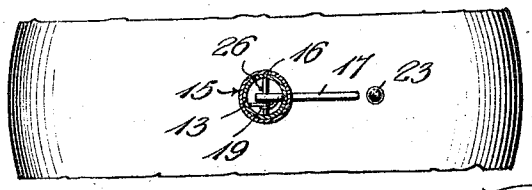


FIG. 4



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UNITED STATES PATENT OFFICE.

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PAPER-FILE.

1,305,589. Specification of Letters Patent. Patented June 3, 1919.

Application filed December 11, 1918. Serial No. 266,255.

To all whom it may concern:

Be it known that I, CLARENCE M. DEASON, a citizen of the United States, residing at Carnegie, in the county of Caddo, State of Oklahoma, have invented certain new and useful Improvements in Paper-Files; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and improved devices for holding papers.

One object of the present invention is to provide a novel and improved device on which papers are adapted to be impaled, and from which the papers cannot be accidentally detached.

Another object is to provide a novel and improved device of this character wherein the means for preventing the removal of the papers is capable of being moved into such position that when the papers are applied or removed the holes in the papers, formed by the pin or post of the device, will not be enlarged by said means.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is an elevation of the paper file.

Fig. 2 is a vertical longitudinal sectional view, the retaining arm being in normal extended position.

Fig. 3 is a similar sectional view showing the retaining arm withdrawn to permit removal of papers.

Fig. 4 is a horizontal sectional view taken on the line 4—4 of Fig. 2.

Referring particularly to the accompanying drawing, 10 represents a hollow metal base member the upper wall of which is arched or dome-shaped, as shown at 11. Screwed into the center of this dome-shaped wall is a vertical hollow stem 12, the upper end of which is formed with a reduced portion 13, resulting in the circumferential shoulder 14. Vertically slidable on this reduced portion 13 is a cap member 15 of an external diameter equal to the external diameter of the stem 12. This cap has a pointed upper end on which the papers are impaled, and said cap is adapted to be moved down on the portion 13 until its lower end rests on the shoulder 14. Extending transversely through the upper end of the portion 13 is a pin 15′. In the lower portion of the reduced end 13 is a transverse pivot pin or shaft 16 on which is pivotally mounted the retaining arm 17, said arm being arranged to normally extend through a longitudinal slot 18 formed in the stem. Engaged around the pivot pin 16 is a coil spring 19, one end being extended downwardly and against the inner face of the stem 12 while the other end is bent to extend into an opening 20 in the arm 17, a short distance outwardly of its connection with the pivot shaft 16, said spring normally urging the arm into horizontally extended position through said slot 18.

Disposed transversely within the base, and hinged thereto at 21, is an arm 22, the other end being provided with a vertically extending stem 23 which protrudes through an opening 24 in the upper wall 11, at one side of the stem 12. Secured to the wall 11, below the arm 22, is one end of a coil spring 25, the other end of said spring being connected with and bearing against the lower face of the arm 22, to normally urge the same upwardly. Connected to the intermediate portion of the arm 22 is one end of a wire 26 which extends upwardly through the stem 12 and is connected to the cap within the upper end thereof. Encircling the portion of the wire 26, within the cap, is a coil spring 27, the upper end bearing upwardly against the cap while the lower end bears on the transverse pin 15′. Thus when the cap moves down the spring 27 will be compressed, and when pressure is released the spring will expand and lift the cap into its normal elevated position. Also, when the cap is drawn down by the wire 26, the lower end of the cap will engage with the inner portion of the arm 22 and force the same downwardly and through the slot 18, so that the outer edge face of the arm will lie flush with the outer face of the stem 12, thereby permitting papers to be removed from the stem without tearing the holes, originally made when the papers were impaled, to a greater extent. Also, this permits the papers to be again placed on the stem without tearing.

Of course, it will be understood, the papers are first impaled on the stem and cap without the necessity of withdrawing the arm 22, as the papers will press this arm down as they pass down the stem.

In one side of the bottom of the base there

is formed an opening 28 for the reception of a nail by means of which the device may be suspended on the wall.

What is claimed is:

1. A paper file including a base, a stem mounted on the base, a paper retaining arm movably mounted on the stem, means carried by the base and connected with the arm for moving the arm downwardly to permit the removal of papers, and means for resiliently returning and holding the arm in outwardly extending horizontal position.

2. A paper file including a base, a vertical hollow stem mounted on the base, a vertically movable cap on the upper end of the stem, a lever movably mounted in the base and connected with the cap, a normally horizontal retaining arm movable into and out of the upper end of the stem, resilient means for holding the cap in elevated position, said cap being adapted to engage with and move the said arm into the stem, and resilient means for restoring the arm to horizontal position.

3. A paper file including a base, a vertical hollow stem carried by the base, the upper end of the stem being reduced in diameter, a pointed cap member slidable vertically on the said reduced end of the stem, said portion of the stem being formed with a longitudinal slot, a retaining arm pivotally mounted in the stem and movable through the slot, a lever movably mounted in the base, a spring supporting the lever, a wire connecting the cap and lever, a spring for normally and yieldably holding the arm in horizontal position through the slot, said cap being arranged to move the arm inwardly to permit the impaling of papers on the stem, a transverse member in the upper end of the stem, and a coil spring encircling the wire and bearing against said transverse member and the upper end of the cap.

In testimony whereof, I affix my signature in the presence of two witnesses.

CLARENCE M. DEASON.

Witnesses:
HARRY HARDESTY,
C. J. CLARK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."