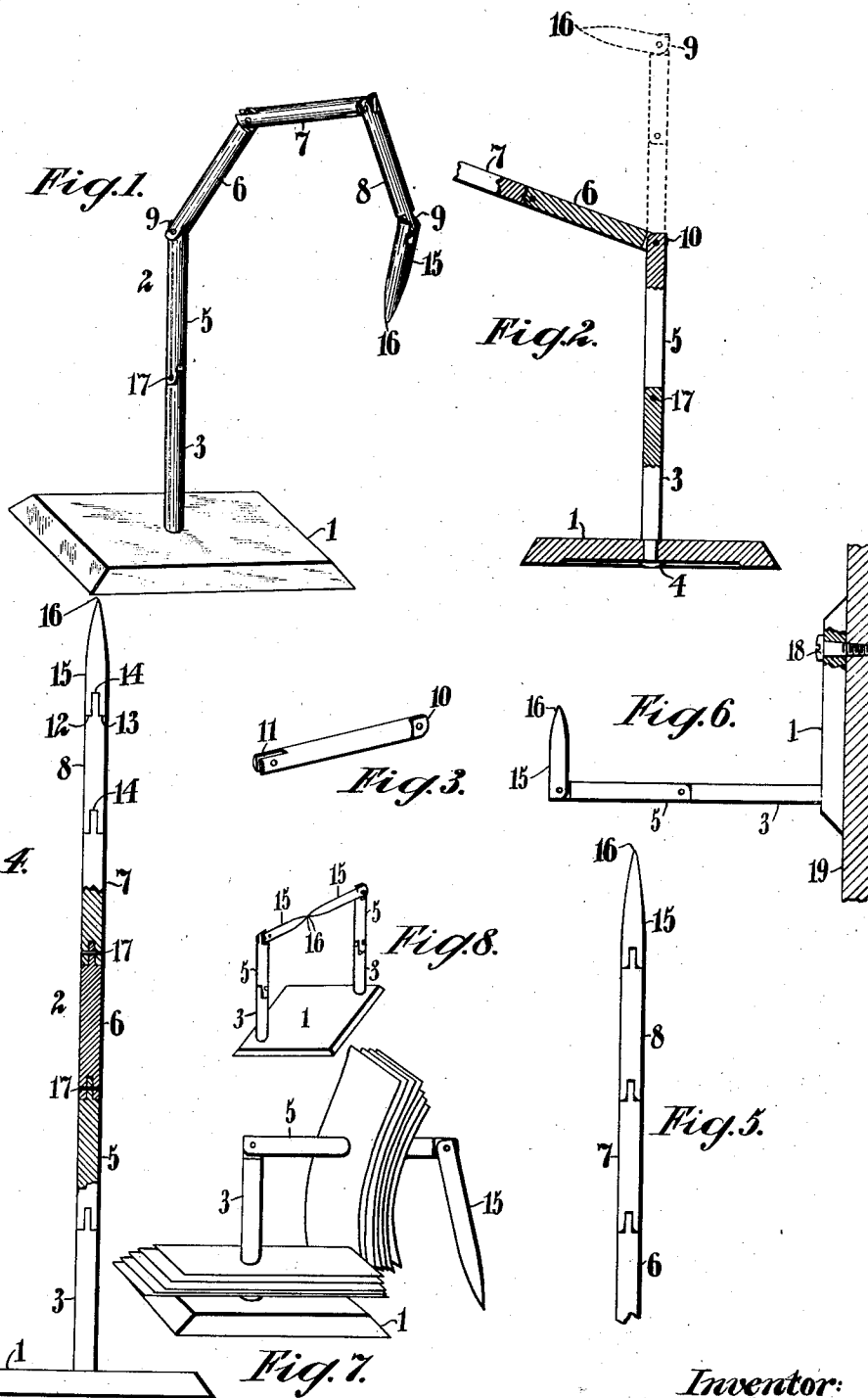


No. 888,472.

PATENTED MAY 26, 1908.

C. B. COOK.
STICK FILE.

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Witnesses:

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UNITED STATES PATENT OFFICE.

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STICK-FILE.

No. 888,472.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed April 2, 1907. Serial No. 366,028.

To all whom it may concern:

Be it known that I, CHARLES B. COOK, a citizen of the United States, residing in Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Stick-Files, of which the following is a specification:

This invention relates to stick-files in which a post is fixed upon a base and provided with a sharp point that readily penetrates a sheet of paper, so that a large number of sheets may be stuck upon the post for convenience in preservation and reference.

It is found in practice that when a stick-file is nearly filled with papers, the top sheets are liable to slip off accidentally and sometimes to be blown off and lost. Moreover, the point of the high and rigid post is sometimes a source of accidental injury to the hand of the user. The necessarily great length of the post is also an objection in handling and shipping the stick files, because they are liable on account of their length to become injured, and they take up much room in shipment.

The object of the present invention is to overcome the aforesaid objections, and to produce a file upon which the papers shall be securely retained, even when the file is full of sheets closely compacted together, and which shall not be liable to injure the hand of the user nor liable to become bent or broken in handling, nor unduly bulky for shipment.

In carrying out this invention, there is erected upon a suitable base a single post in the form of a series of sections hinged together end to end, the bottom section being fastened rigidly upon the base and the top section being tapered or pointed to penetrate the paper. Shoulders are provided at each hinge to prevent the sections from being turned past the proper vertical position. The top section or sections may be folded down upon the sheets that are impaled upon the post, so as to prevent possibility of accidental detachment of the sheets.

The point of the post may be turned downwardly, if desired, so that it will be impossible to injure the hand of the user. The upper sections of the post may be folded down toward the base, thereby effecting great economy of room in shipment, and owing to the compact form assumed by the device when the post is folded down, it is not liable to injury in handling.

Other features and advantages will hereinafter appear.

In the accompanying drawings, Figure 1 is a perspective view of a stick-pile made in accordance with the present improvements and illustrating the manner in which sections of the post may be folded over. Fig. 2 is a sectional elevation of the device. Fig. 3 is a detail of one of the post-sections. Fig. 4 is an elevation of the stick-file partly in section. Fig. 5 is an elevation of the upper portion of the post, but showing the opposite side from Fig. 4. Fig. 6 illustrates a stick-file adapted to be hung upon the wall. Fig. 7 illustrates the manner in which the upper portion of the stick-file may be bent over together with the sheets thereon, for convenience in reading one of the bottom sheets. Fig. 8 is a perspective view showing two posts on a single base adapted to fold towards each other, so that their points meet.

The stick-file comprises a metal or other base 1, from which rises a smooth cylindrical post 2 comprising a bottom section 3 suitably shouldered and riveted to the base, as at 4, and one or more top sections 5, 6, 7, 8, said sections all hinged together endwise at 9. At each hinge, one section is preferably formed with a tenon 10 and the other section with a corresponding mortise 11, so as to leave abutting shoulders, as at 12, 13 and 14, Fig. 4, thus conducing to the rigidity of the post when extended. Since there are three pairs of abutting shoulders at each hinge, a strong post is produced without the necessity of flanges or projections and forming practically a single unbroken stable or substantially rigid body, such as is desirable for the purpose of a stick file. It will be understood that the joints are also tightly fitted together, so that it is difficult to move the joints, thereby contributing to the stiffness and serviceableness of the post. The latter when extended is fixed against movement in all directions except one, and owing to the stiffness of the joints, it is difficult to bend the post in that one direction. The topmost section 15 is pointed as at 16, and is preferably shorter than the other sections, and may be conveniently bent over to a horizontal position to lock the sheets upon the post, as seen in dotted lines at Fig. 2, in which position it is not liable to injure the user. The invention is also adapted for other uses.

Variations may be resorted to within the

scope of the invention, and portions of my improvements may be used without others.

In the form illustrated at Fig. 7, the post consists of a bottom section 3, a top pointed section 15 and a single intermediate section 5. This figure illustrates the manner in which the body section 5 may be bent over together with the sheets thereon, to enable one of the lower sheets upon the section 3 to be read conveniently; and it will also be understood that the sheets may be lifted one at a time from the section 3 and passed over on the section 5 for reading the sheets *seriatim*. The bent down section 15 prevents the sheets from falling off from the section 5.

In the different forms of the invention, the pintles 17 of the hinges are preferably parallel, so that the opening and closing movements of the hinges are in a single direction.

At Fig. 6, the base 1 is in the form of a vertical plate secured by a screw 18 to a wall 19; the section 3 being horizontal, and the section 5 being normally in horizontal position, as shown. The pointed section 15 is turned up for convenience in impaling the sheets thereon, and for retaining the sheets after they are slipped back along the sections 5 and 3.

In Fig. 8 are shown two posts on a single base 1, erected upon opposite corners of the base. These posts fold towards each other and their points may meet as illustrated, so that papers filed upon either post may be slipped readily off from one onto the other. The base 1 may also be hung upon a wall in the manner seen at Fig. 6 with one post lying directly over the other one or in the same horizontal plane as may be desired. I claim the structure shown at Fig. 8, as well as that shown at the other figures of the drawings.

Having thus described my invention, I claim:

1. A stick-file comprising a base and a section erected thereon and fixed thereto, a

guard-section having a point, and an intervening section or portion hinged to both of said sections to permit the sheets to be slipped up from the base-section on to the intervening section, the guard-section serving to prevent escape of sheets from the stick-file, and also having a sharp point.

2. A stick-file comprising a base and a single stick-post erected thereon, said post consisting of sections hinged together end to end and forming a single substantially unbroken cylindrical body, and each lower section having at the joint means to support the next section above, to form a substantially rigid post; the lowermost section fixed rigidly upon the base, and the top section formed with a sharp point.

3. A stick-file comprising a base and a single substantially rigid stick-post erected thereon, said post consisting of sections forming together a substantially unbroken cylindrical body and united end to end by means of hinges to permit any upper section to lie transverse to the bottom section, the pintles of the hinges being parallel, and co-operative shoulders formed upon the adjoining ends of all the sections, to prevent the hinges from opening further after the sections reach upright positions; the bottom section fixed rigidly to said base, and the top section formed with a sharp point.

4. A stick-file comprising a base and a single substantially rigid stick-post thereon consisting of numerous cylindrical sections jointed together end to end, to form a smooth stem collapsible only in a single direction; the bottom section being fixed to the base, and the top section being formed with a sharp point.

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