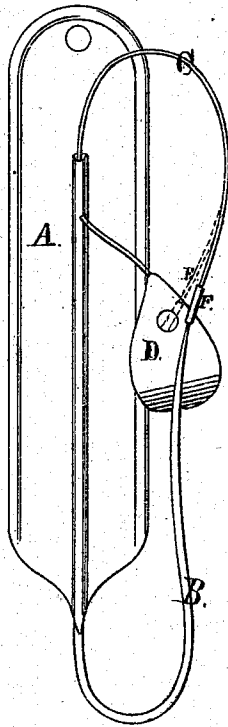


E. J. CRANE.

PAPER FILE.

No. 102,918.

Patented May 10, 1870.



Attest.
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United States Patent Office.

EDWIN J. CRANE, OF LA PORTE, INDIANA.

Letters Patent No. 102,918, dated May 10, 1870.

IMPROVEMENT IN PAPER-FILES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, EDWIN J. CRANE, of the city of La Porte, in the county of La Porte and State of Indiana, have invented a new and useful Improvement in Paper-Files; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a view of my invention in perspective.

The nature of this invention relates to an improvement in paper-files, and consists in a novel guard-plate or thumb-plate, D, hereinafter described, and in the combination and arrangement of its several parts, more particularly described below.

In the drawings—

A represents the plate by which the file is suspended, provided with a proper opening near its top for that purpose.

To the center vertically of this plate, in a proper sleeve secured thereto, a wire is firmly attached, which wire, passing downward below said plate, is curved outward and upward, making the hook B, which terminates in a sharp point nearly opposite the center of the plate A, and at a little distance from it.

Similarly the wire passing to near the top of the plate A, and bending outward and downward, making the hook C, is provided with a guard, F, a little larger than the wire itself, which guard has a suitable recess for the reception of the point of the hook B.

A thumb-plate, D, provided with a suitable opening, is attached to a wire, which, in turn, is secured to the center vertically of the plate A, a little above its horizontal center, and is bent down a little, so that the outer end of the thumb-plate presses continually against the hook B, a little below its point.

The spring of the thumb-plate is outward, and that of the hooks B and C is inward.

When the point of the hook B is disengaged from the guard F, for the purpose of filing or removing papers, the spring of the hook C and of the guard-plate D carries the guard F into the opening in the guard-plate, as shown by the dotted line E, and secures all papers which may be upon the hook C; at the same time, the outward pressure of the guard-plate secures all papers which may be upon the hook B.

In filing papers the point of the hook B is disengaged from the guard F, and the papers are pressed down over said point. If there is a great accumulation of papers, those already upon the file, or a portion of them, may be slipped up over the guard F upon the hook C before other papers are placed upon the hook B. So in withdrawing particular papers, those above it may be slipped up over the guard F before the point of the hook B is disengaged, and the required papers removed.

The advantages of this device may be found in the security in the retention of papers, and the convenience in handling them.

Having thus fully set forth the nature and merits of my device,

What I claim as my invention, and desire to secure by Letters Patent, is—

The paper-file above described, consisting of the plate A, the hooks B and C, the thumb-plate D, and the guard F, constructed, combined, and arranged to operate as and for the purpose set forth.

E. J. CRANE.

Witnesses:

E. NICKERSON,
JOHN D. REIGHARD.