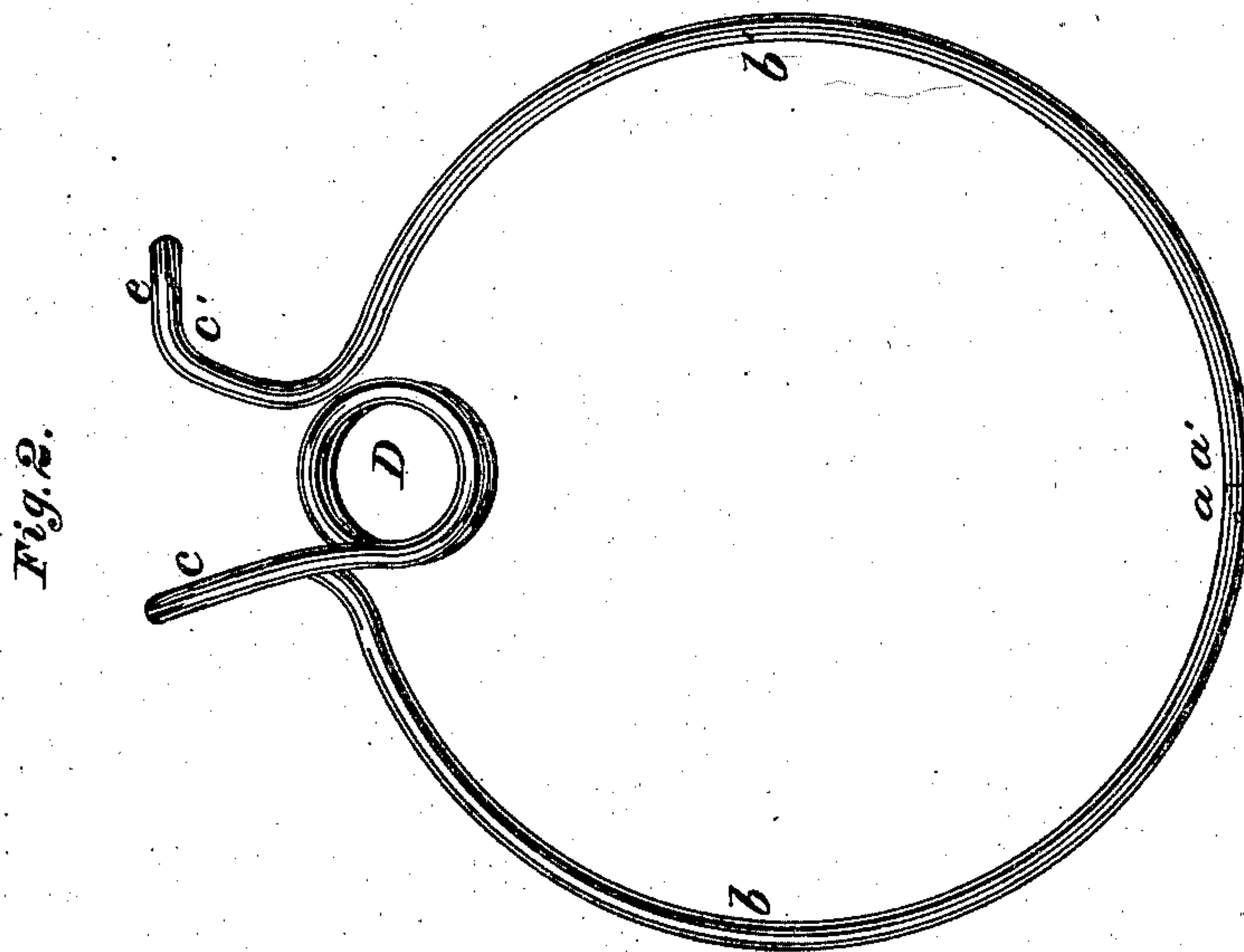
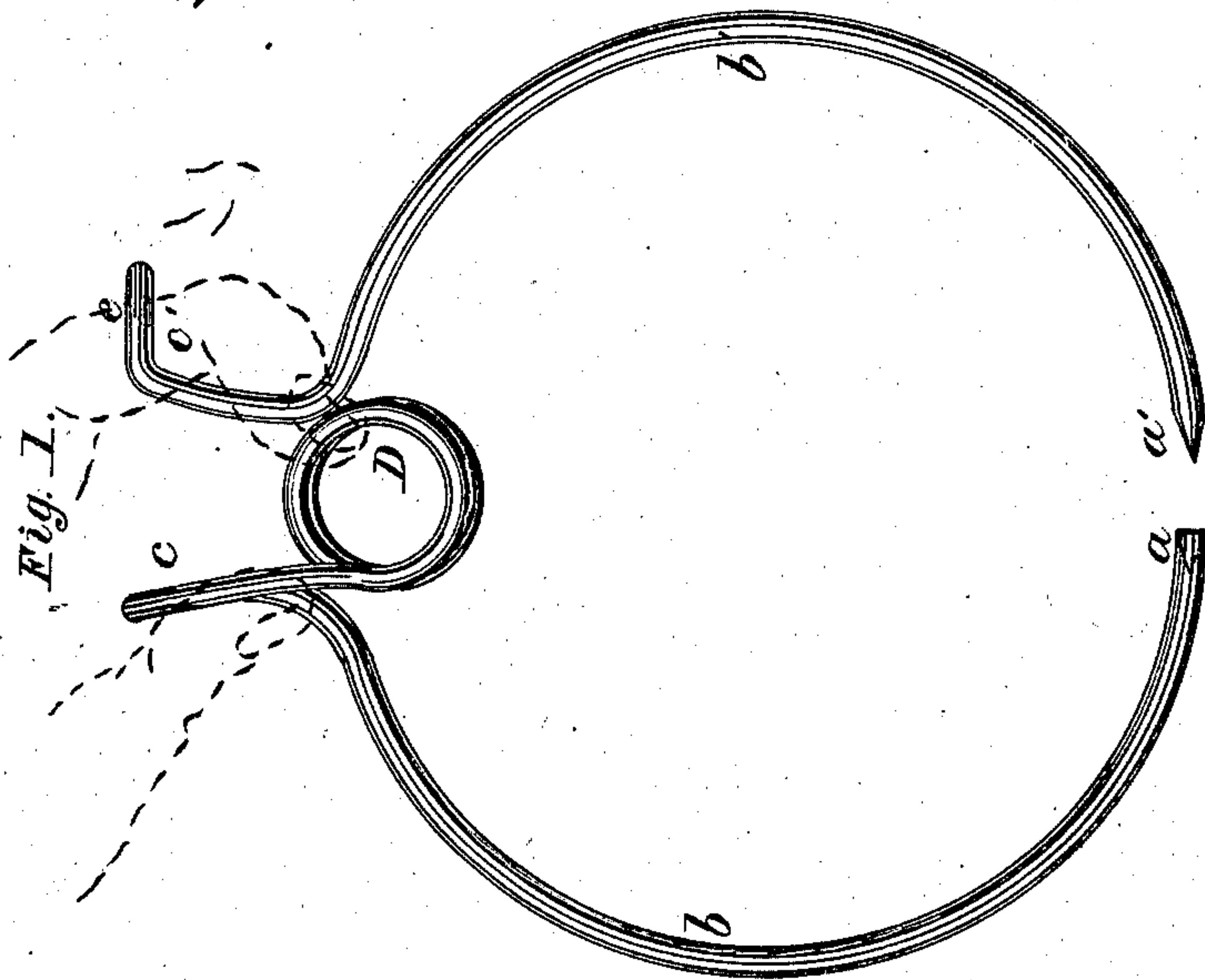


G. Crandell.
Paper File.

No 3,785. Patented Apr. 16, 1867.



Witnesses,

J. A. Phillips
H. Martin

Inventor,

Germond Crandell

United States Patent Office.

GERMOND CRANDELL, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 63,785, dated April 16, 1867.

PAPER FILE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GERMOND CRANDELL, of Washington, in the county of Washington, and District of Columbia, have invented a new and improved Bill File; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in so constructing a file for bills and papers that nearly the entire circumference may be used or occupied by the papers filed, and be operated by means of a spring, spiral or otherwise, with levers attached, opposite to the point where the file opens to receive the papers to be filed.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I take a piece of wire of the proper length and thickness for a file. At or near the middle, I make a coil in the wire, of the proper size to form a suitable spring. Having done this, I bend the wire again, so as to form two projections or thumb-pieces, one on each side of the coil, by means of which the spring may be operated. In one of these projections there may be an extra bend, forming a loop or eye, for hanging up the file. From these points I bend the wire in a circular shape to form the body of the file, until the two ends meet. I make one end sharp to pierce the paper, and the other hollow, so that the pointed end will fit into it, the spring keeping them together; thus forming an unbroken line, from one side of the coil to the other, upon which the papers may be moved without dropping.

Figure 1 represents the file open. *a a'* are the two ends, one pointed and the other hollow. *b b'* are the two sections of the body of the file, extending into the coil or spring D, by means of which the two ends *a a'* are held together. *c c'* are two projections or levers, by pressing which the ends *a a'* are made to open to receive the papers to be filed. *e* is a loop or eye for hanging up the file.

Figure 2 represents the file closed, where the pointed end *a'* is entirely concealed by the hollow end *a*.

I do not, however, confine myself to the precise form and arrangement shown and described, as it is obvious that various modifications thereof may be made without materially departing from the essence of my invention.

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

A bill and paper file, made as herein described, or its substantial equivalent.

GERMOND CRANDELL.

Witnesses:

W. THOMPSON,

WM. MILLS.