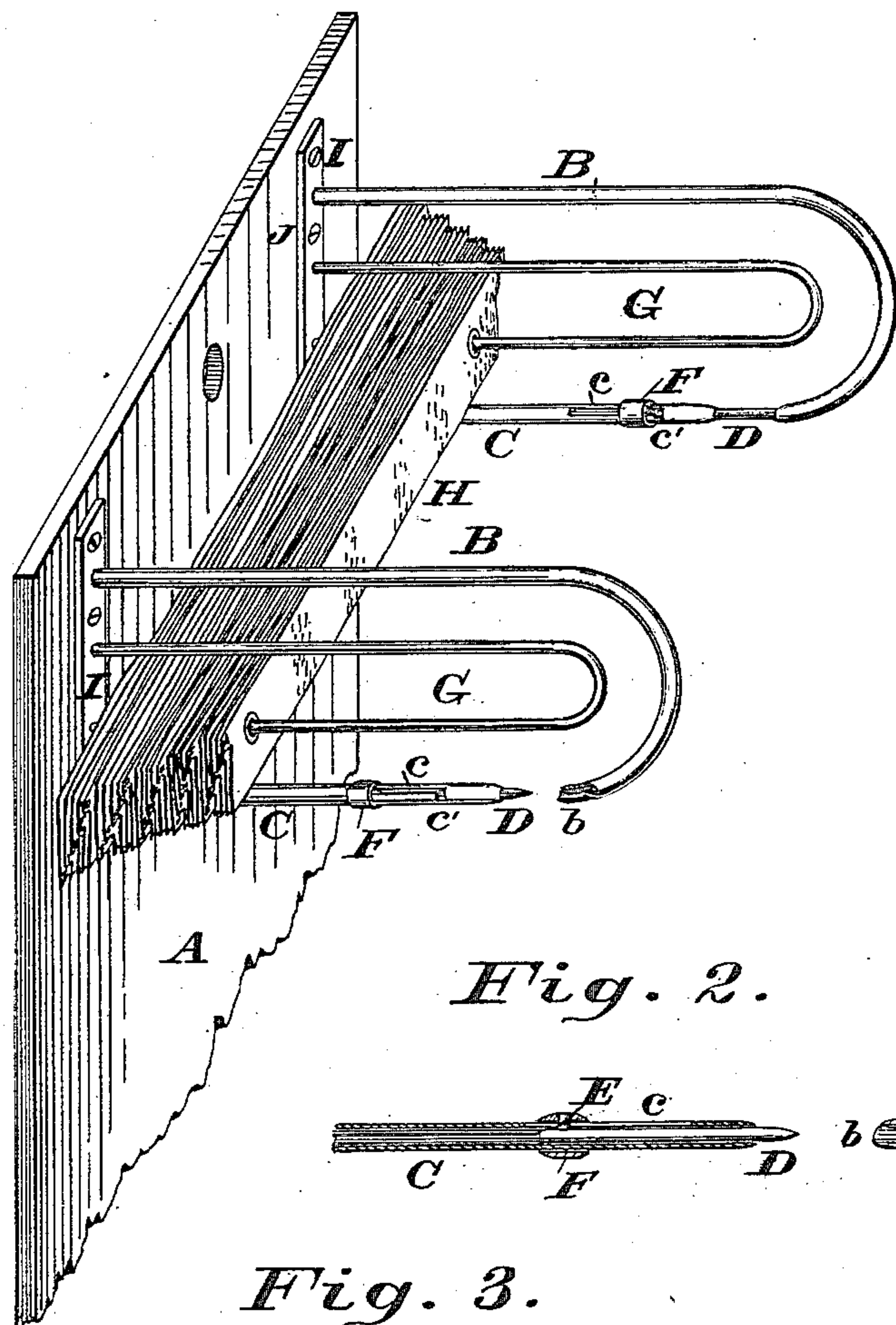


E. P. DONNELL.  
Bill-File.

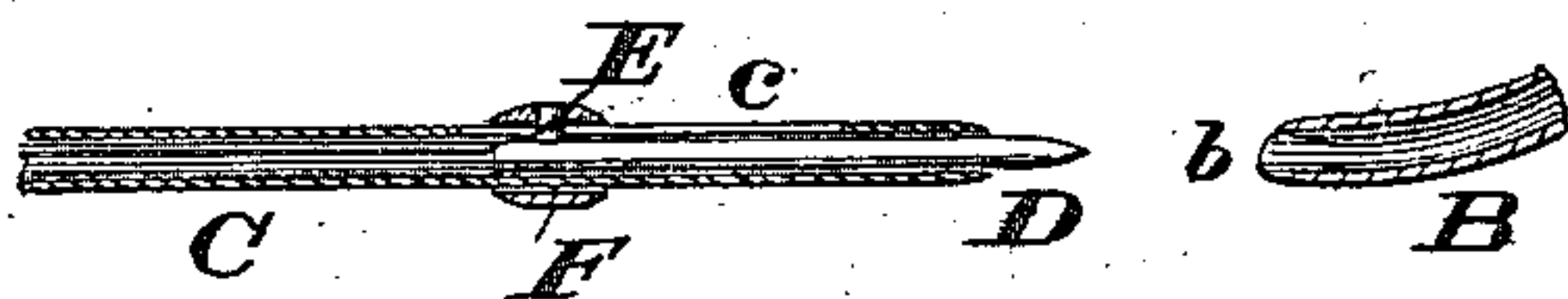
No. 226,163

Patented April 6, 1880.

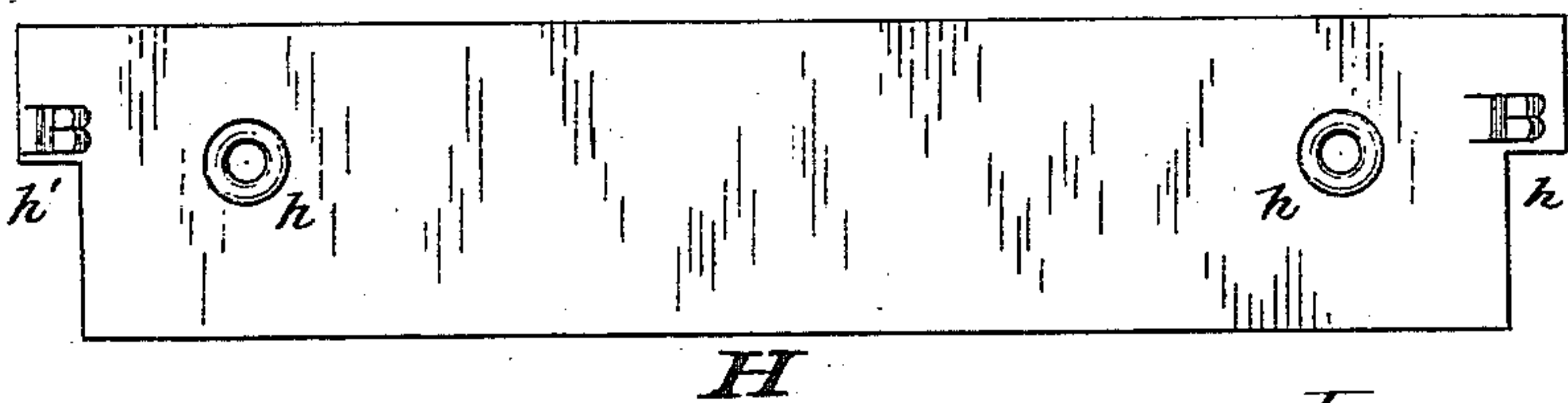
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Attest.

H. Knight  
Walter Knight

Inventor:  
Edward P. Donnell,  
By Knight Bros.  
Atys.

# UNITED STATES PATENT OFFICE.

EDWARD P. DONNELL, OF CINCINNATI, OHIO.

## BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 226,163, dated April 6, 1880.

Application filed February 20, 1880.

*To all whom it may concern:*

Be it known that I, EDWARD P. DONNELL, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Paper-File, of which the following is a specification.

My invention relates to an improved form of those instruments for holding bills, letters, invoices, and similar documents which are provided with one or more loops of wire, made capable of separation at a convenient part of their length for the insertion or removal of any paper at will.

In my improvement one or more such loops or wires rise in arch form from a base or tablet, and one shaft of such arch has a sliding joint or section, whereby the continuity of the loop may be temporarily broken for insertion or removal of a paper.

A smaller arch, located in the same plane and concentrically within the first, is likewise erected upon the tablet to hold a set of index-strips, of which there may be one for each of a series of index characters, such as letters of the alphabet, singly or in groups.

In the accompanying drawings, Figure 1 is a perspective view of a paper-file embodying my improvements. Fig. 2 is an axial section of the shorter component wire or shaft with its sliding section. Fig. 3 shows one of the index-tags detached.

A may represent a wooden or a metallic slat, which serves as the base or tablet to which the operative members of my file are attached.

Rising vertically from slat A are one or more pairs of wires, B C, of which one wire, B, of each pair is arched semicircularly and terminates in a socket, b, to receive a sliding section, D, contained in the shaft or wire C, which is made tubular for that purpose.

The sliding section D is pointed at top and connects by pin E, which, extending through a slot, c, in tube C, is fastened to a sleeve, F, by means of which the sliding section D may be protruded or retracted.

A notch, c', in edge of slot c enables the section D to be held to its protruded position by a partial rotation of its sleeve. Each of such

wire arches is accompanied by a smaller arch or loop, G, located concentrically within it, to hold a series of index tags or strips, H, having eyelets h to receive the wires of said arch G and notches h', and inscribed at their extremities with letters or other characters similar to the index-leaves of a ledger. One tag or more may be appropriated to each character, or each tag may contain two or more characters, according to the necessities of the case.

An additional distinction between the neighboring tags in the series may be obtained by colors. Thus A may be a red, B a white, C a blue, D a red, tag, and so on through the alphabet. The tags may also be marked on their rear sides, if desired.

The loops may be fastened directly to the base; but I prefer to rivet their lower extremities to a plate, I, suitably perforated for wood-screws J, by which it is secured to the base.

I have described and prefer for most purposes a file consisting of two such loops or arches; but the principle is manifestly applicable to a file consisting of a single loop.

The loops, while preferably of the arch form represented, may, if preferred, be curved throughout their lengths.

I claim as new and of my invention—

1. The combination of the wires B C and the sliding section D, substantially as and for the purpose set forth.

2. In a paper-file, one or more arched wire loops in which the shaft C is tubular and contains a sliding section, D, connected by pin E with sleeve F, said pin occupying a notched slot, c c', as and for the purposes set forth.

3. In a paper-file, the combination, with a separable wire loop, B C D, of the interior loop, G, for a series of index-tags, H, substantially as set forth.

In testimony of which invention I hereunto set my hand.

EDWARD P. DONNELL.

Attest:

GEO. H. KNIGHT,  
WALTER KNIGHT.