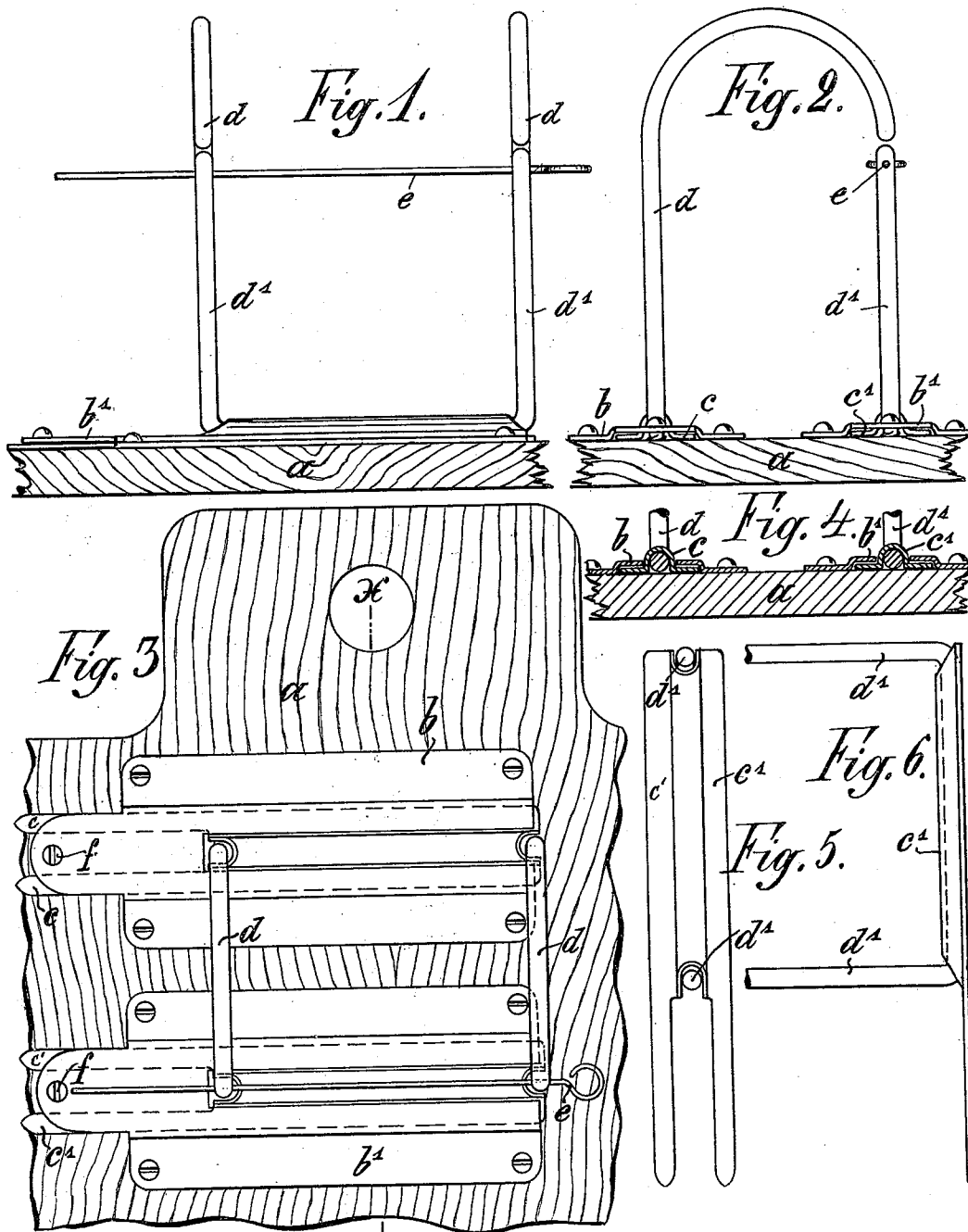


(No Model.)

W. BELLER.
PAPER FILE.

No. 554,903.

Patented Feb. 18, 1896.



WITNESSES:

John Becker
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H

INVENTOR

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILHELM BELLER, OF FRANKFORT-ON-THE-MAIN, GERMANY.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 554,903, dated February 18, 1896.

Application filed February 12, 1895. Serial No. 538,065. (No model.) Patented in France May 19, 1894, No. 238,632; in Belgium May 19, 1894, No. 110,036; in Switzerland May 28, 1894, No. 8,425; in England July 13, 1894, No. 13,595, and in Austria-Hungary September 19, 1894, No. 44/5,534.

To all whom it may concern:

Be it known that I, WILHELM BELLER, a subject of the Emperor of Germany, residing at Frankfort-on-the-Main, Germany, have invented certain new and useful Improvements in Paper-Files, (for which I have obtained a patent in France, No. 238,632, dated May 19, 1894; in Belgium, No. 110,036, dated May 19, 1894; in Switzerland, No. 8,425, dated May 28, 1894; in Austria-Hungary, No. 44/5,534, dated September 19, 1894, and in Great Britain, No. 13,595, dated July 13, 1894,) of which the following is a specification.

This invention relates to improvements in files for letters, bills, &c., and has for its object to permit the separate removal of the filled section from the apparatus without disturbing the other sections.

In the accompanying drawings, Figure 1 is a front elevation of a letter-file provided with my improvement. Fig. 2 is a side view thereof; Fig. 3, a plan; Fig. 4, a section on line *x x*, Fig. 3. Figs. 5 and 6 are details of slide *c'*.

In Figs. 1 to 6 the letter *a* represents a board or tablet, to which are secured a pair of divided undercut guide plates or rails *b b'*, the inner flanges of which constitute springs. The guide-plates *b b'*, which may, however, also be made of a single piece, are adapted to receive the slides *c c'*, Figs. 5 and 6, to which the wires *d d'*, receiving the letters, are soldered or secured in any suitable manner. The wires *d'* are straight and constitute the file proper, while the wires *d* are curved and permit the temporary removal of the upper

layers of papers filed by sliding them off the wires *d'* and onto the depending ends of the wires *d*. The slides *c c'* are forked at their end, so that they are held in position within the guide-plates, while they may at the same time be easily withdrawn, together with their wires. By means of a screw *f* the spring-flanges of the guide-plates may be pressed more or less upon the forked end flaps *c c'*, so as to clamp the latter in position.

When the slides are brought into alignment, the ends of the wires are also brought into a straight line, as shown in Fig. 1. After having filled the straight wires *d' d'* with letters, a horizontal wire *e* is passed through an upper perforation of the same, to lock such letters in place. The slide *c'*, together with its filled wires, is then withdrawn from the rail *b'*, to be stored away, and is replaced by an empty slide and wires.

What I claim is—

The combination of a base-plate with a slotted guide having spring-flanges, a slide having a forked end, a bent wire secured to the slide, and a screw engaging the guide and adapted to press the spring-flanges against the forked end of the slide, substantially as specified.

Signed at Frankfort-on-the-Main, in the Empire of Germany, this 28th day of December, 1894.

WILHELM BELLER.

Witnesses:

ALVESTO S. HOGUE,
FRANK H. MASON.