

(No Model.)

C. F. STRAUBE & A. RICHTER.
NEWSPAPER FILE.

No. 465,568.

Patented Dec. 22, 1891.

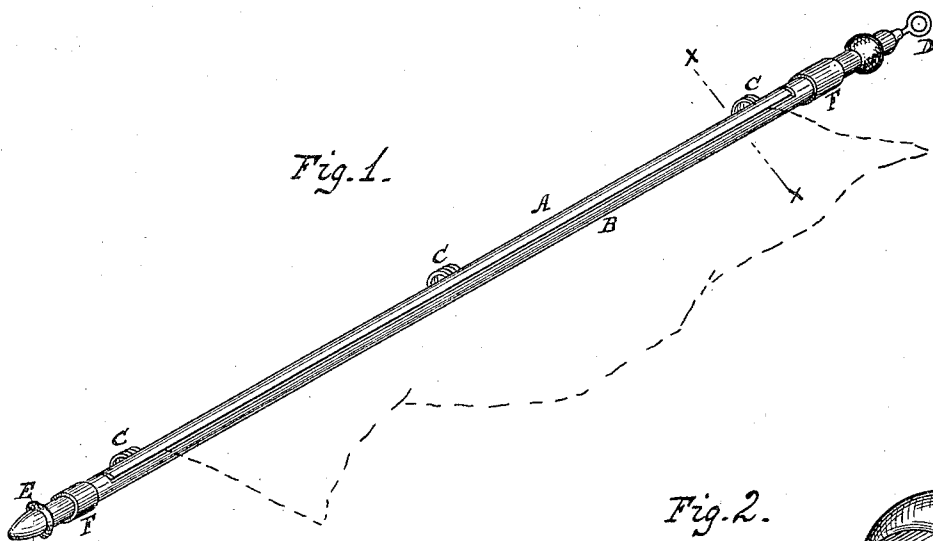


Fig. 2.

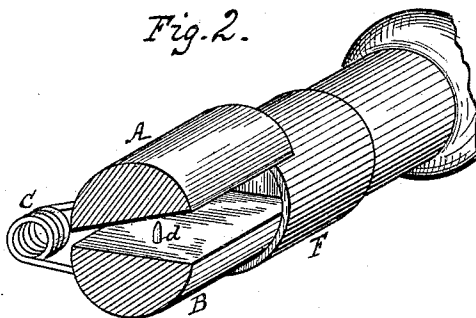


Fig. 3.

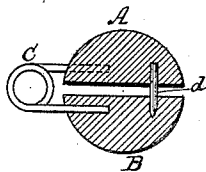
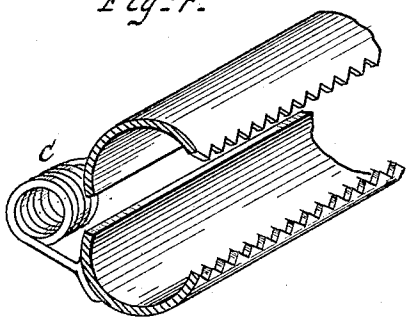


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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NEWSPAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 465,568, dated December 22, 1891.

Application filed May 18, 1891. Serial No. 393,233. (No model.)

To all whom it may concern:

Be it known that we, CARL F. STRAUBE and ADOLPH RICHTER, citizens of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented a new and useful improvement in newspaper-files of that class wherein two parallel bars are provided with a number of pins and used for the purpose of engaging the marginal portion of various sorts of papers, whereby they are kept together in a flat and straight condition.

The invention we have made consists in the connection of said bars by means of suitable spring-hinges, which enable the bars to be separated for the insertion of papers and force the bars toward each other, so as to clamp the papers firmly between them.

Our invention also comprises a pair of parallel bars united by springs, in combination with a sliding ring at one or both ends of said bars for the purpose of holding the file open or shut, as required.

The peculiar construction and operation of our improved paper-file will be readily understood from the following description, taken in connection with the accompanying drawings, wherein—

Figure 1 represents a perspective view of our paper-file partially open for the insertion of papers in the manner indicated by the dotted lines; Fig. 2, an enlarged open transverse section of the same on the cross-line x ; Fig. 3, a transverse section through one of the spring-hinges and central pins. Fig. 4 represents a portion of our paper-file, wherein the bars are constructed of metallic strips, each semicircular in form, and provided with a number of sharp angular teeth along one edge thereof.

To construct our paper-file we provide two bars A B, of suitable material, length, breadth, and thickness, and unite the same by means of two or more spring-hinges C, whereby the

bars are maintained in relative parallel position. These hinges C are formed of suitable wire wound to constitute a short spiral, the ends of which are separately inserted and secured each in one edge of the respective bars, and with such relation thereto as that said springs operate to force the adjacent surfaces of the bars together. Along one of these bars are inserted a number of projecting pins d , upon which the paper may be impaled, and in the opposite bar are a number of holes corresponding in size and position thereto, in which the points of the pins enter and are protected. One of the bars A is of a length commensurate with that of the paper on file, its fellow bar being longer and provided at one of its extending ends with a ring D, by which the file may be suspended, its opposite end terminating in an acorn-shaped knob E, and on each extending portion of the longer bar is arranged a loose sleeve F, adapted to slide thereon and a short distance under the ends of the shorter bar to counteract the force of the springs, and thereby keep the bars temporarily apart for the purpose of introducing a paper. The sleeves may then be pushed back to release the shorter bar and by a return movement over its ends to lock the bars together and thus secure the paper between them.

Having thus described the construction and objects of our improved file for temporarily binding together of papers, we claim—

The combination consisting of a pair of parallel bars, a series of projecting points between them, two or more spiral-wire hinges connecting said bars, and a sliding sleeve at each end thereof, as and for the purposes set forth.

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Witnesses:

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