

R. K. VIELE.

Newspaper-File.

No. 128,681.

Patented July 2, 1872.

Fig. 1.

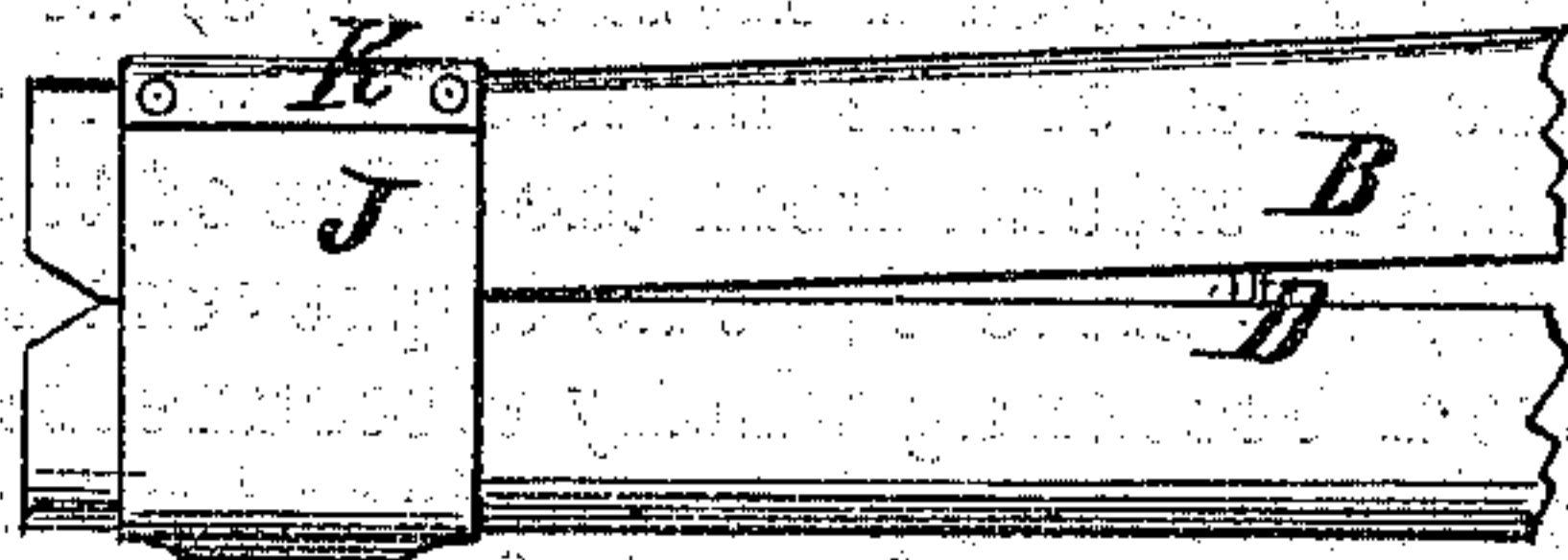
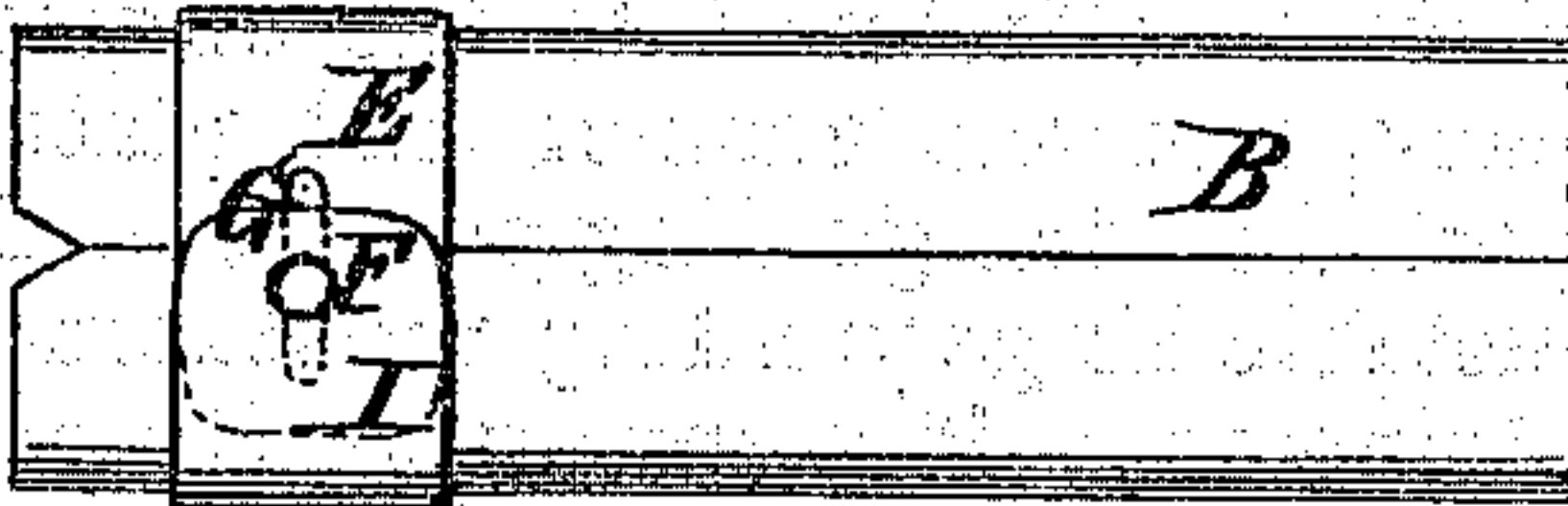


Fig. 2.



Witnesses.

E. F. Kastenhuber

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# UNITED STATES PATENT OFFICE.

RUFUS K. VIELE, OF NEW YORK, N. Y.

## IMPROVEMENT IN NEWSPAPER-FILES.

Specification forming part of Letters Patent No. 128,681, dated July 2, 1872; antedated June 21, 1872.

*To all whom it may concern:*

Be it known that I, RUFUS K. VIELE, of the city, county, and State of New York, have invented a new and useful Improvement in Newspaper-Files; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which drawing—

Figure 1 is a side view of my improvement broken in the center, taken when the file is being thrown open. Fig. 2 shows the file when closed, broken in the center, the hinge at its outer end and the locking device near its inner end being exposed to view.

Similar letters indicate corresponding parts.

This invention relates to holders, or files as they are commonly called, for holding newspapers and other articles; and consists in a peculiar mode of connecting the parts of the file at their outer ends by means of an expansible hinge, which is capable of said adjustment, and which allows a greater or less thickness of paper to be placed in the file without deranging the hinge or impeding its action. It also consists in a yielding locking device for keeping the receiving end of the file shut, so arranged that it can be opened by the thumb, and when released it closes of its own accord.

The letters A B designate the two divisions of the file, the inner end of division B being arranged to fit within a shoulder, C, formed on the upper edge of division A. The shoulder C forms a guard for the lower edge of the sheets of paper which are placed in the file, and its sides support the locking device hereinafter described. In the inner face of the division A are placed pins D D for perforating the paper, and division B is provided with suitable holes to receive the points of the pins, as is customary in paper-files. The outer ends of the two divisions A B are hinged to each other by a yielding adjustable hinge, consisting essentially of a slotted plate, E, fastened to the side or sides of one of the divisions, and a guiding pin or pins, F, extending from the side or sides of the other division into the slots of the plate, with which is combined a reacting spring, the parts being arranged in such a manner that the two divisions can be turned

on the pin as a center, and can also be pushed away from each other a distance equal to the length of the slot, but cannot be disconnected from each other. The slotted plate E consists of a metal strap bent around the back and over the sides of division B, and which strap is made long enough to allow its ends, which contain the slots G, to extend past the inner face of the said division B, so as to embrace the sides of the division A of the file. The pins F extend from the sides of the division A into the slots G, so as to prevent the divisions from becoming wholly disconnected from each other. These pins are placed near the edge of the inner face of division A, so as to take advantage as much as possible of the length of the slot. I have protected the projecting ends of the slotted plate E by means of a plate, I, bent around the back and sides of division A, in such a manner as to leave spaces, in which the slotted ends of the plate E can slide. The plate I is fastened to the division A on the back, and the ends of said plate I are supported on the guiding-pins F. I make my adjustable hinge yielding and automatic by combining with it a spring or springs, so as to produce a constant tendency in the divisions to close upon each other. I have effected that combination by surrounding the hinge with elastic webbing J, which is fastened, by pins or other suitable means, to the file. The ends of the webbing are closed by a plate, K, on the back of the file, which plate serves both to close the webbing and to fasten it to the file. The locking device of the file consists of a swinging clasp, L, which embraces that part of the file where the shoulder C is formed, and is hinged thereto at M. The clasp extends beyond the shoulder, so as to come over the end of the division B, which it is also made to embrace so as to prevent lateral displacement or strain sidewise on the pins D. At the extremity of the clasp I form a thumb-piece, N, which allows one to turn the clasp up with the thumb or finger. The clasp is made yielding and adjustable by combining it with a spring, which I accomplish by a band or belt of elastic webbing, J, similar to that applied to the hinged end of the file, which I secure in the same manner already described.

In opening my file, in order to introduce a paper, the thumb is placed on the thumb-piece

of the clasp, and the clasp is turned up against the spring, so as to uncover the end of division B, and that division is then raised to allow the introduction of the sheet to the file. In raising division B its outer end turns on the pins F, and as the thickness of the inclosed paper increases the hinge is distended by means of the slots on the hinge-plates, so as to accommodate itself thereto.

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

1. The divisions A B of a paper-file, united

together by an automatic yielding hinge composed of the slotted plate E, pins F, and rubber spring J, substantially as set forth.

2. The swinging clasp L, hinged to division A, so as to extend and shut over the inner end of division B, in combination with the spring J, substantially as described.

RUFUS K. VIELE.

Witnesses:

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