

No. 828,067.

PATENTED AUG. 7, 1906.

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M. M. C. SNYDER, ADMINISTRATRIX.

NEWSPAPER FILE.

APPLICATION FILED SEPT. 11, 1905.

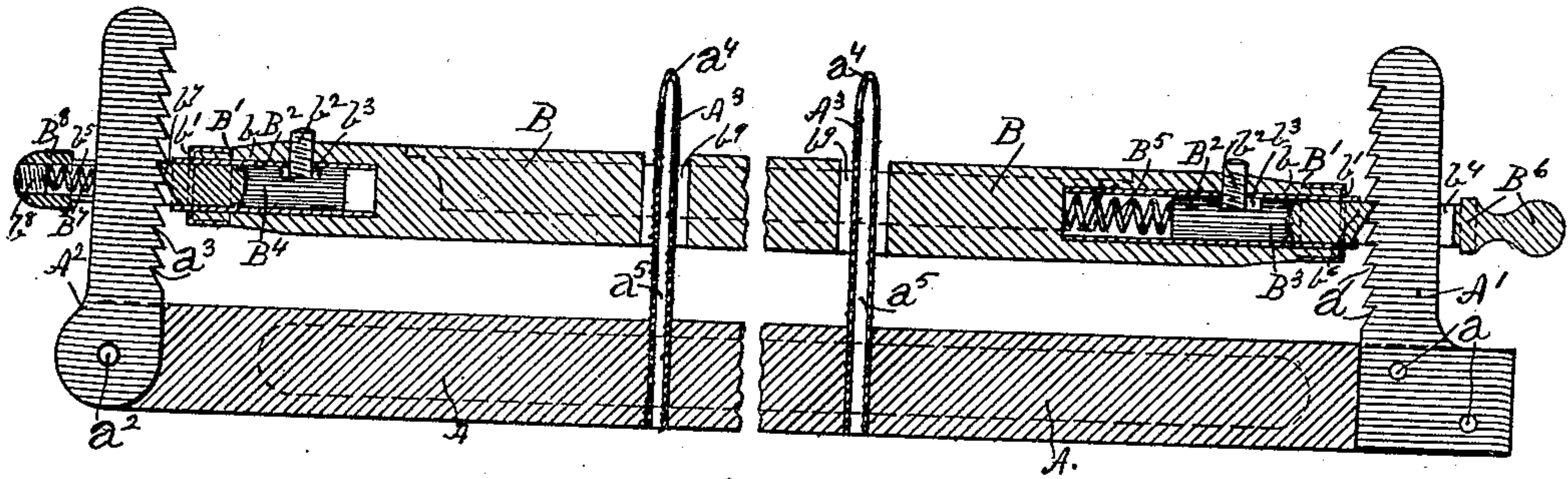


Fig. 2.

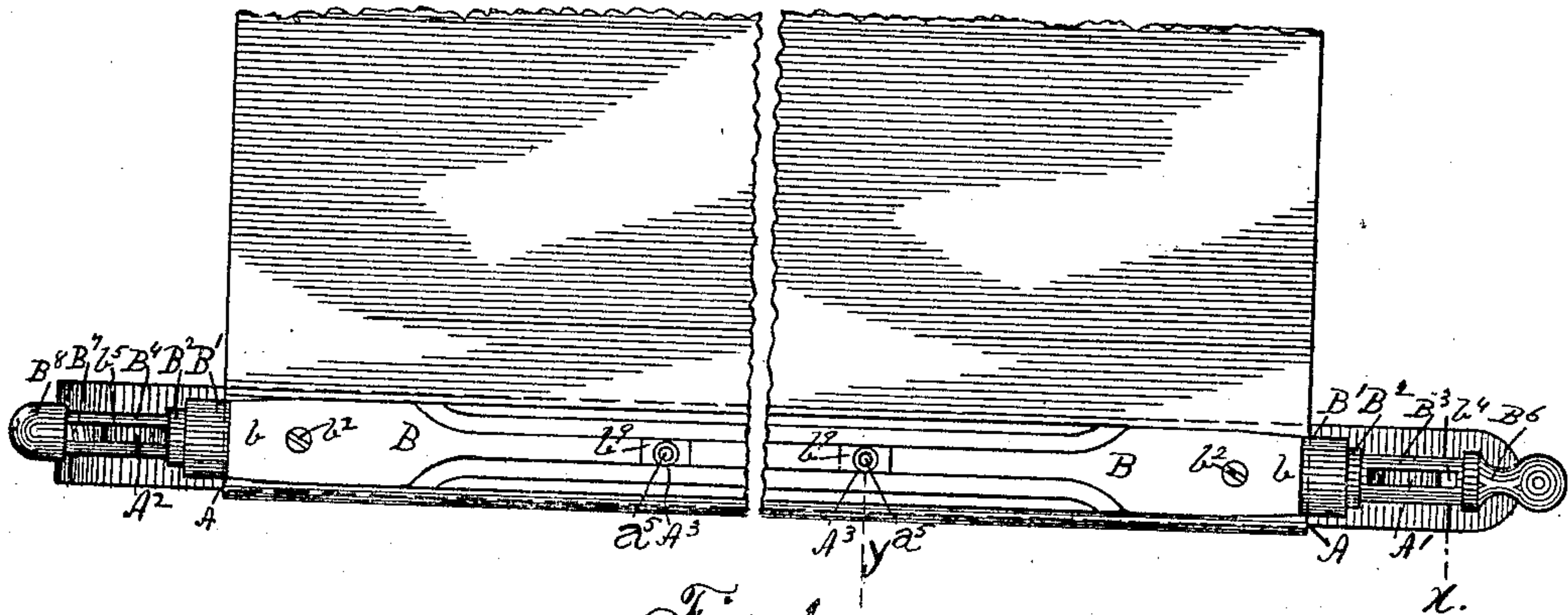


Fig. 1.

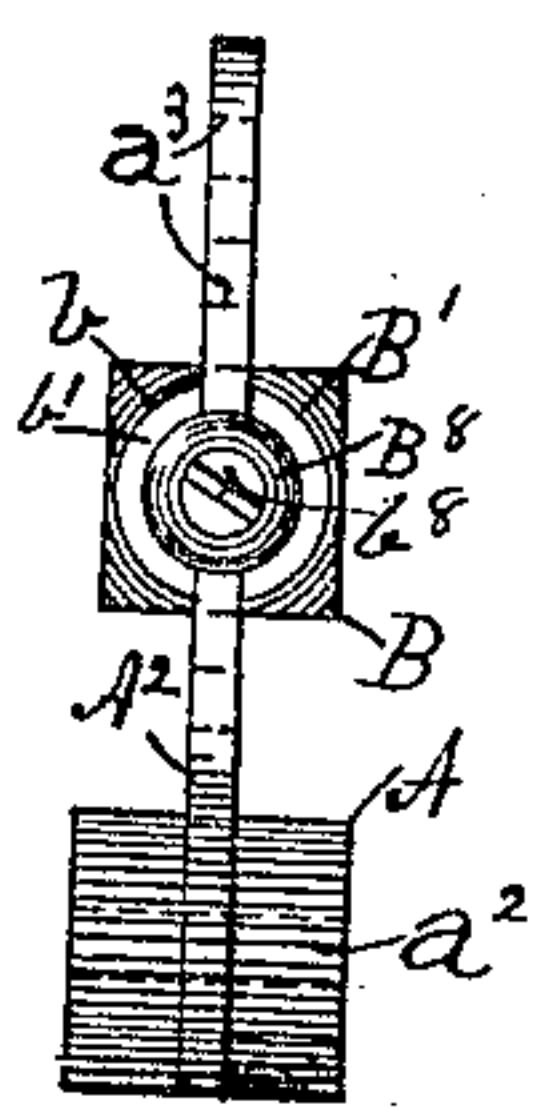


Fig. 4.

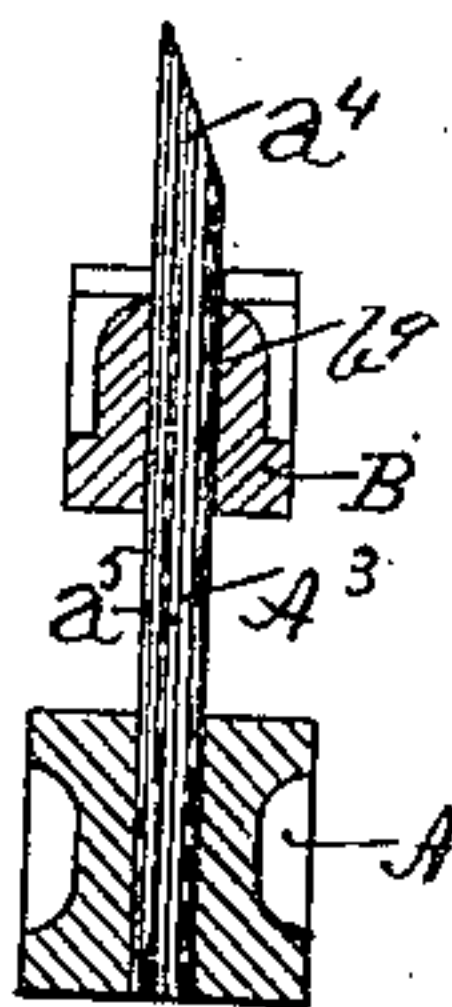


Fig. 5.

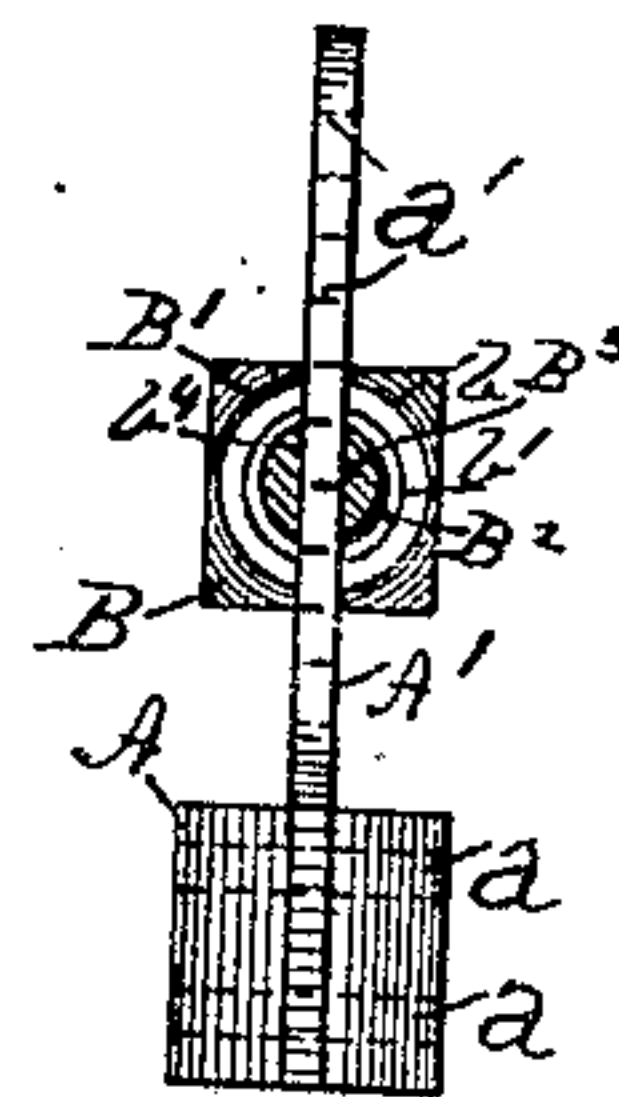


Fig. 3.

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UNITED STATES PATENT OFFICE.

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NEWSPAPER-FILE.

No. 828,067.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed September 11, 1905. Serial No. 278,065.

To all whom it may concern:

Be it known that HENRY L. SNYDER, deceased, late a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, did invent new and useful Improvements in Newspaper-Files, of which the following is a specification.

This invention relates to improvements in a newspaper-file of that class in which two parallel rods or bars are placed one above the other and so arranged that they may be brought closer together or farther separated from each other and securely held in place.

The object of the invention is the production of a simple and effective newspaper-file that will securely hold, in the order of their dates, the desired number of newspapers, binding them together as in book form for convenient reference, being especially adapted to be used in establishments where daily newspapers are printed.

The elements of the invention will severally and at large appear in the following description and they will be separately or combinedly set forth or pointed out in the appended claim or claims.

The purposes of the invention are attained by the mechanism, devices, and means illustrated in the accompanying drawings, similar reference characters designating like parts throughout the several views, in which—

Figure 1 is a top view or plan of the completed newspaper-file referred to in the opening paragraph hereto, with the central portion broken away for want of room in the drawings, showing portions of filed newspapers in position thereon; Fig. 2, a central longitudinal vertical section of the device shown in Fig. 1 with the newspapers removed; Fig. 3, a vertical cross-section taken through the point *x* of the right-hand end of the upper bar shown in Fig. 1, showing the rigidly-affixed vertical standard in outer edge elevation; Fig. 4, a left-hand end elevation of the upper and lower bars, showing the pivoted standard in outer edge elevation; and Fig. 5, a vertical cross-section of the lower and upper bars, taken on the point *y* in Fig. 1, showing a paper-retaining pin in position.

As shown in the drawings, the newspaper-file of this invention comprises two parallel rods or bars A B of the required dimensions occupying positions one above the other, the

lower one, A, constituting the base or supporting bar and the upper one, B, the press or paper-retaining bar. On the right-hand end of the bar A is erected a perpendicularly-disposed standard A' with its foot rigidly secured in place by rivet-pins or screws *a* and having formed in its vertical inner edge upwardly-stopping ratchet notches or teeth *a'*, and to the left-hand end of said bar is journaled or pivoted, by means of a rivet-pin or screw *a*², a standard A², having formed in its vertical inner edge ratchet notches or teeth *a*³, similar in form but oppositely disposed to the notches or teeth *a'*, before mentioned, said notches or teeth adapting said standards to adjustably support the outer ends of the bar B, as will hereinafter be more fully explained. At the required points, one being on each side of the center thereof, are erected tubular filing-pins A³ A³ with their lower ends rigidly secured into the body of the bar A and having their upper ends *a*⁴ formed tapering to readily pierce the folded edges of the newspapers on being filed thereon, and the bores *a*⁵ of said pins are adapted to receive the strands of twine, passing said strands readily through the punctured sheets, whereby said sheets may be bound together on being removed, forming volumes which may be stored for convenient future reference.

The bar B is formed with conically-tapering ends *b* *b*, having mounted thereon tubular sleeves B' B', provided with inturned ring-flanges *b'* *b'* overlying said ends, which ends are axially bored out, the right-hand end to a greater depth than the left-hand one, into which bores are neatly fitted tubes B² B² of the required dimensions. In the bores of these tubes, movable back and forth therein, are arranged suitable shafts or bolts B³ B⁴, secured in operative position by plug-screws *b*² with their inner extremities in engagement with notches *b*³, permitting slight longitudinal but no rotary motion. In the forward ends of these bolts are formed slots *b*⁴ *b*⁵, engaged by the standards A' A², respectively, and within the slots the bolts are formed with latch-catches *b*⁶ *b*⁷, respectively, in engagement with the ratchet-teeth *a'* *a*³ of said standards A' A², the bolt B³ having in contact with its inner end a coiled spring B⁵, holding its latch-catch *b*⁶ in engagement

with the desired teeth a' , and its outer end is provided with a knob B^6 to manipulate said bolt B^3 . In the outer end of the bolt B^4 is arranged a coiled spring B^7 , which engaging 5 against the outer edge of the standard A^2 serves to press said standard inward, bringing the desired one of its ratchet-teeth a^3 into engagement with the latch-catch b^7 of said bolt B^4 , the bolt having integrally formed at 10 its outer extremity a manipulating knob or button B^8 , in its axis a bore for the insertion of the spring B^7 , and a plug-screw b^8 serves to close the bore, securing said spring B^7 in place. The bar B is centrally formed with 15 orifices b^9 b^9 , through which engage the upper portions of the tubular filing-pins A^3 , completing the newspaper-file of the invention.

The elements of the invention hereinbefore described and occupying the respective 20 positions indicated in the drawings, the following observation will be noted: that the bar B by reason of latch-catches of the bolts, the ratchet-teeth of the standards, and the 25 coiled springs B^5 B^7 , said bar B may be raised or lowered to any required point to compress and securely hold in place the filed papers, and the bar may be entirely removed for the purpose of taking papers from the file 30 or placing additional papers thereon or therein. Instead of removing the bar B its right-hand end may be lifted free from the standard A' , and by reason of the pivot-joint at the lower end of the standard A^2 the bar may be 35 longitudinally rotated on said pivot-joint, freeing its body from the central filing-pins, and when thus freed papers may be removed from the file and additional papers placed in position thereon.

40 The invention having been thus ascertained and described and the manner in which its functions are performed fully shown

and set forth, what is considered new, and desired to be secured by Letters Patent, is—

1. In a newspaper-file, in combination, the 45 lower bar A , having the lower end, rigidly-secured, right-hand-end standard A' , with the inner edge ratchet-teeth a' ; the lower-end-pivoted, left-hand-end standard A^2 , with the inner-edge ratchet-teeth a^3 , and the 50 lower-end, rigidly-secured, paper-filing pins A^3 A^3 ; the upper bar B with the back-and-forth movable bolts B^3 B^4 mounted in the ends of said latter bar, said bolts having the slots b^4 b^5 engaging on the standards A' 55 A^2 , with the latch-catches b^6 b^7 to engage on the ratchet-teeth a' a^3 of said standards, substantially as described and for the purpose hereinbefore set forth.

2. In a newspaper-file of the character de- 60 scribed, with the two parallel bars arranged one above the other, the lower bar having the end standards with the inner-edge ratchet-teeth as described, and the upper 65 bar having the back-and-forth movable bolts mounted in the ends thereof, said bolts having the vertical slots b^4 b^5 engaging on said standards, the combination with said bolts 70 having the latch-catches b^6 b^7 within said slots, of the coiled springs B^5 B^7 arranged in connection with said bolts and standards pressing said catches into engagement with the ratchet-teeth of the standards, substan- 75 tially as described and for the purpose hereinbefore set forth.

In testimony whereof I affix my signature in presence of two subscribing witnesses.

MARTHA M. C. SNYDER,
Administratrix of the estate of Henry L. Snyder, deceased.

Witnesses:

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