No. 712,008. Patented Oct. 28, 1902.

L. G. SCHULT.

LOOSE LEAF FILE.

(Application filed Feb. 13, 1902.)

(No Model.)

Fig. 1.

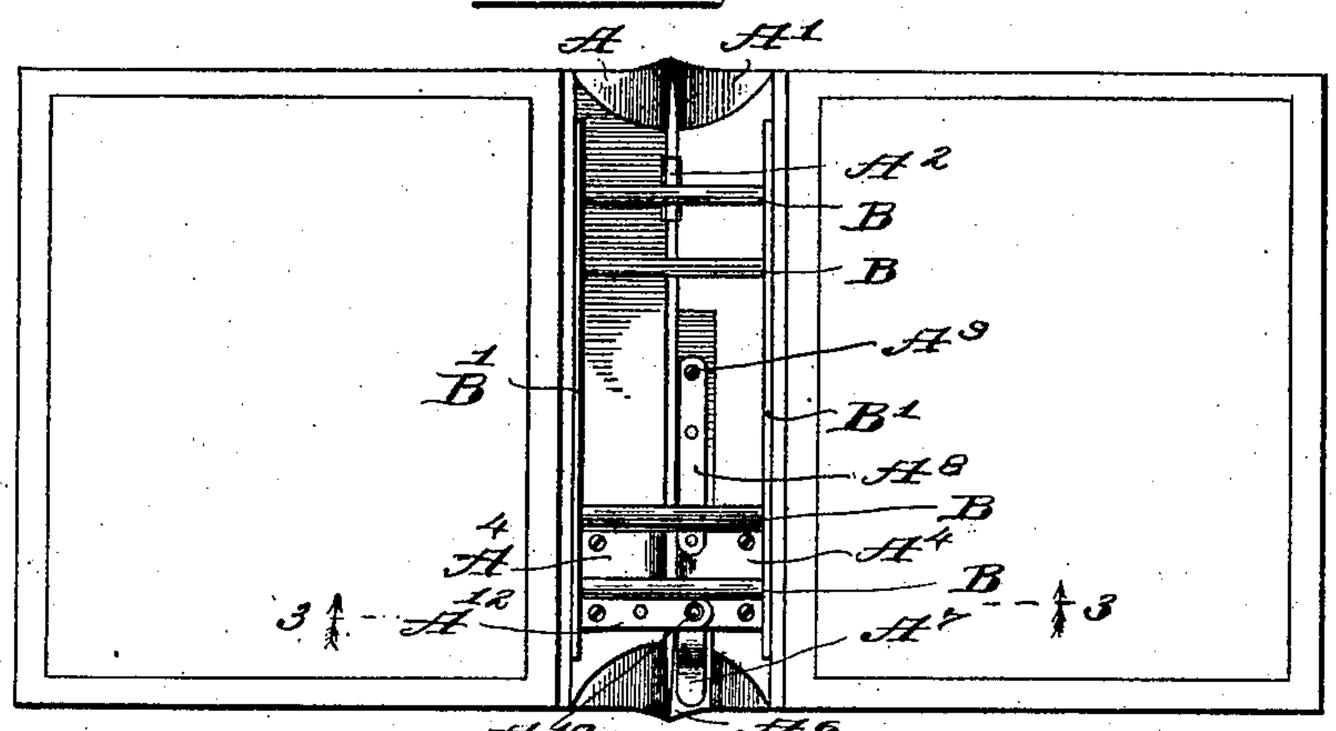


Fig. 2.

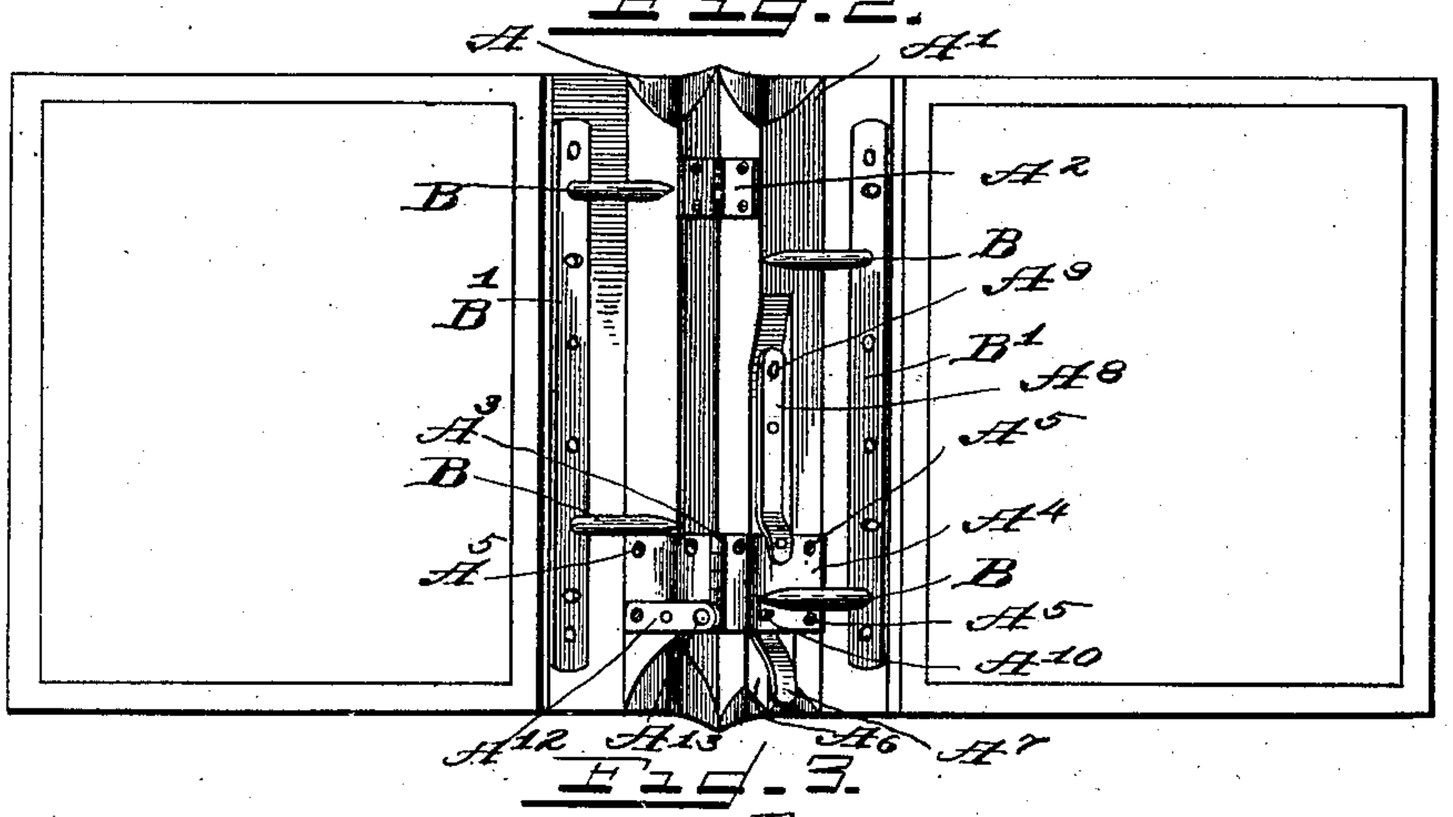


Fig. 3.

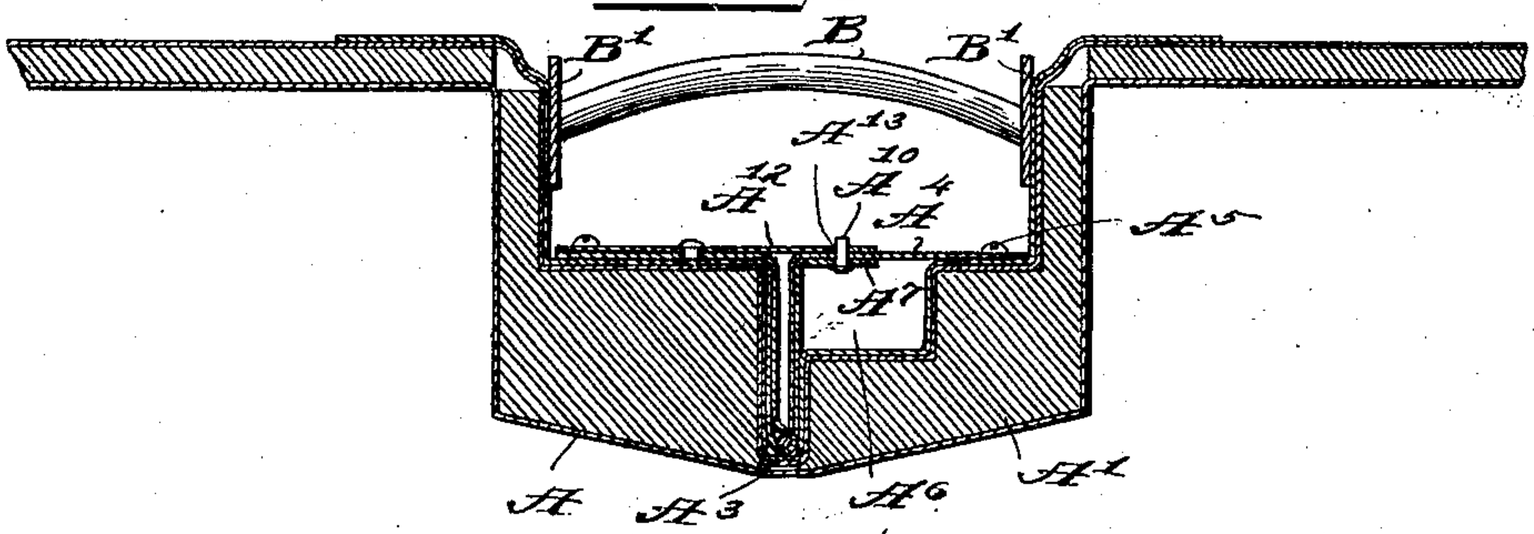
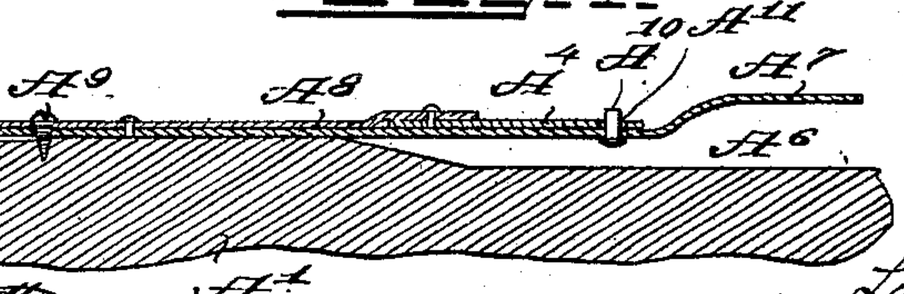


Fig. 4.



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UNITED STATES PATENT OFFICE.

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LOOSE-LEAF FILE.

SPECIFICATION forming part of Letters Patent No. 712,008, dated October 28, 1902.

Application filed February 13, 1902. Serial No. 93,875. (No model.)

To all whom it may concern:

Be it known that I, LARS G. SCHULT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Loose-Leaf Files, of which the following is a specification.

The object of this invention is the production of a loose-leaf file embodying the improvements hereinafter more fully shown and described.

In the accompanying drawings, Figure 1 is an inside face view of a file embodying the features of my invention, showing the back of the file closed and locked. Fig. 2 is likewise an inside face view of a file, showing the back unlocked and opened. Fig. 3 is a full-size transverse section taken on dotted line 3 3 of Fig. 1. Fig. 4 is a longitudinal central section taken through the lock for holding the hinge back of the file closed.

Like letters of reference indicate corresponding parts throughout the several views.

In the construction of a file embodying my invention I provide the two back members A and A′, pivotally secured together at their adjacent edges in any suitable manner, as by the hinges A^2 and A^3. The outer ends A^4 of the leaves of the hinge A^3 are bent at right angles to those portions of said leaves lying adjacent to the pintle, and said portions A^4 are secured in any suitable manner, as by the screws A^5, to the face of the hinge members A and A′ of the file back. Under one of the leaves of the hinge A^3 in a recess A^6, formed in the hinged member A′, I place a flat spring A^7, secured in position by the plate A^8, attached at one of its ends to the upper side of the hinge A^3 and at its opposite end to the spring A^7. A screw A^9 passes through a suitable opening in the plate A^8 and the upper end of the spring A^7 and holds both securely to the back member A′. The lower end of the spring extends to a point near the lower edge of the file to receive the thumb of the operator when it is desirable to depress the spring. Slightly above its lower end the spring A^7 carries a projection A^{10}, rigidly fixed to said spring and extending through and free to be moved backward and forward in the opening A^{11} in one of the leaves of the hinge A^3. The other hinged member A of the back carries a keeper A^{12}, rigidly secured thereto and having at its forward end an opening A^{13}, adapted to receive the projection A^{10} on the spring A^7. When the hinge back is closed together, the keeper and the projection coincide, the projection entering the keeper automatically.

The prongs B of the file are secured in side bars B′ and these in turn to the sides of the file. When the file is closed, the prongs B pass one another, their forward ends entering suitable openings for their reception in the opposite side bar B′ of the file. They are held in this position by the engagement of the projection A^{10} with its keeper A^{12}. When in this position the file is ready for use.

When it is desirable to remove any of the leaves from the prongs of the file, the spring A^7 is depressed, withdrawing the projection A^{10} from the opening A^{13} in the keeper A^{12} and permitting the back of the file to be opened upon its hinge connection. The prongs B are thus separated, and leaves may be added to or taken from the file at will. When the make-up of the contents of the file is complete, the hinge-back is closed together and the projection A^{10} snaps into the opening A^{13}, entering the keeper and again locking the hinge-back together.

I am aware that many slight changes may be made in this invention without departing from the spirit and scope thereof. I therefore desire to have it understood that I do not intend to limit myself to the precise details of construction herein set forth.

I claim as my invention—

1. A file having a two-part back; a hinge for connecting the two parts of said back, one leaf of which hinge is provided with a locking-opening, and one member of said back with a recess beneath the said leaf; a spring extending lengthwise of said back secured within said recess; a stud on said spring adapted to project upwardly through the recess in said leaf; and a keeper having an opening adapted to engage the projection on said spring.

2. A file having a two-part back; a hinge for connecting the two parts of said back, one leaf of which hinge is provided with a lock-

ing-opening, and one member of said back with a recess beneath the said leaf; a spring extending lengthwise of said back and lying within said recess; a plate secured at one of its ends to the rear end of said spring, and at its other end to the leaf of said hinge that overlies said spring; a stud on said spring projecting through the locking-opening in said leaf; and a keeper secured to the other member of said two-part back, which keeper is provided with an opening adapted to receive the upper end of the stud when said stud projects through the opening in said leaf.

3. A file having a two-part back with side bars, said side bars carrying locking-pins projecting inwardly therefrom; a hinge for connecting the two members of said back, one leaf of which hinge is provided with a locking-opening, and one member of said back with a recess beneath said leaf; a spring extending lengthwise of said back and lying within said recess; a stud on said spring adapted to project through the recess in said leaf; and a keeper having an opening adapted to engage the projection on said spring, at a point above said leaf.

LARS G. SCHULT.

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