

No. 709,889.

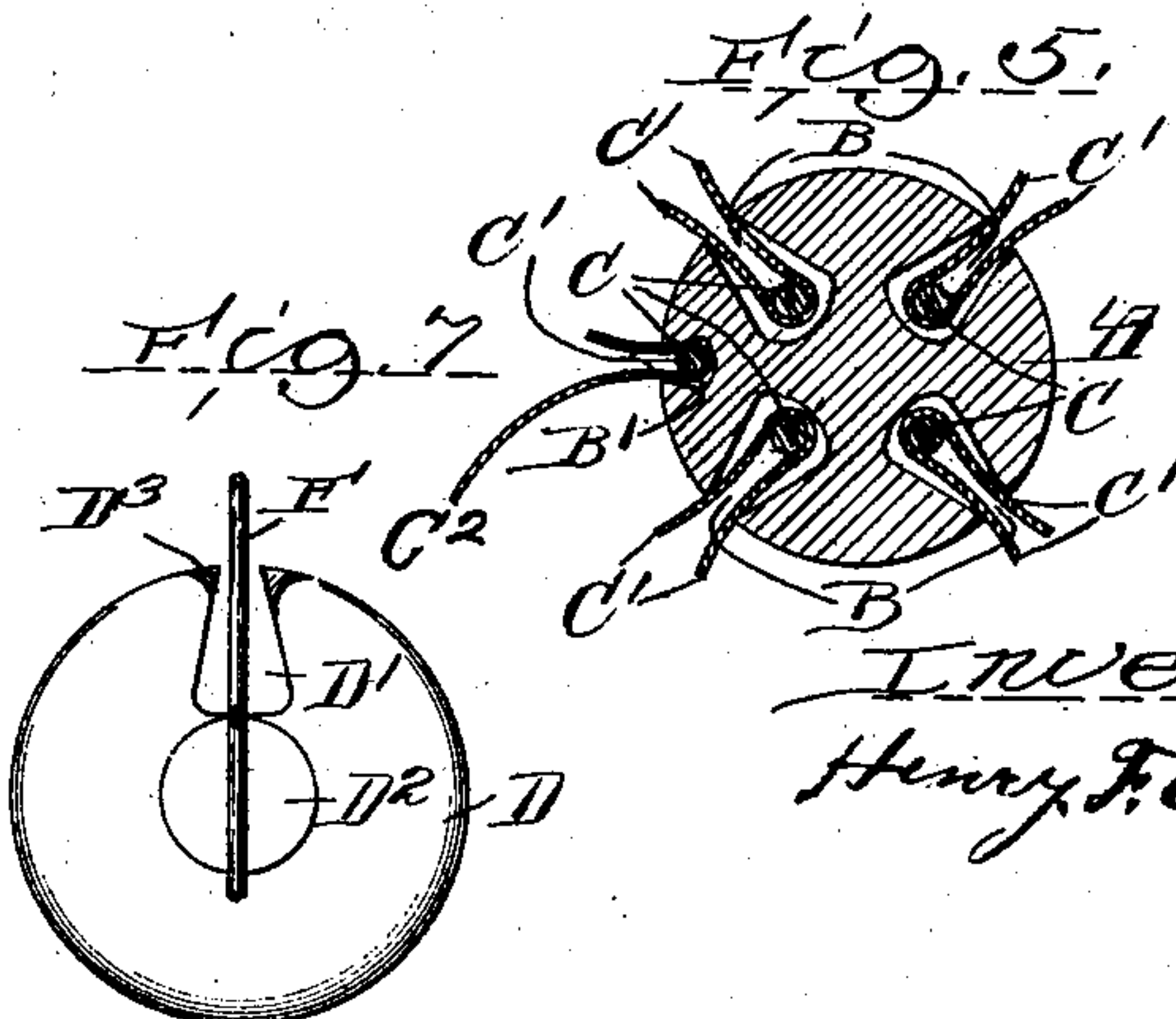
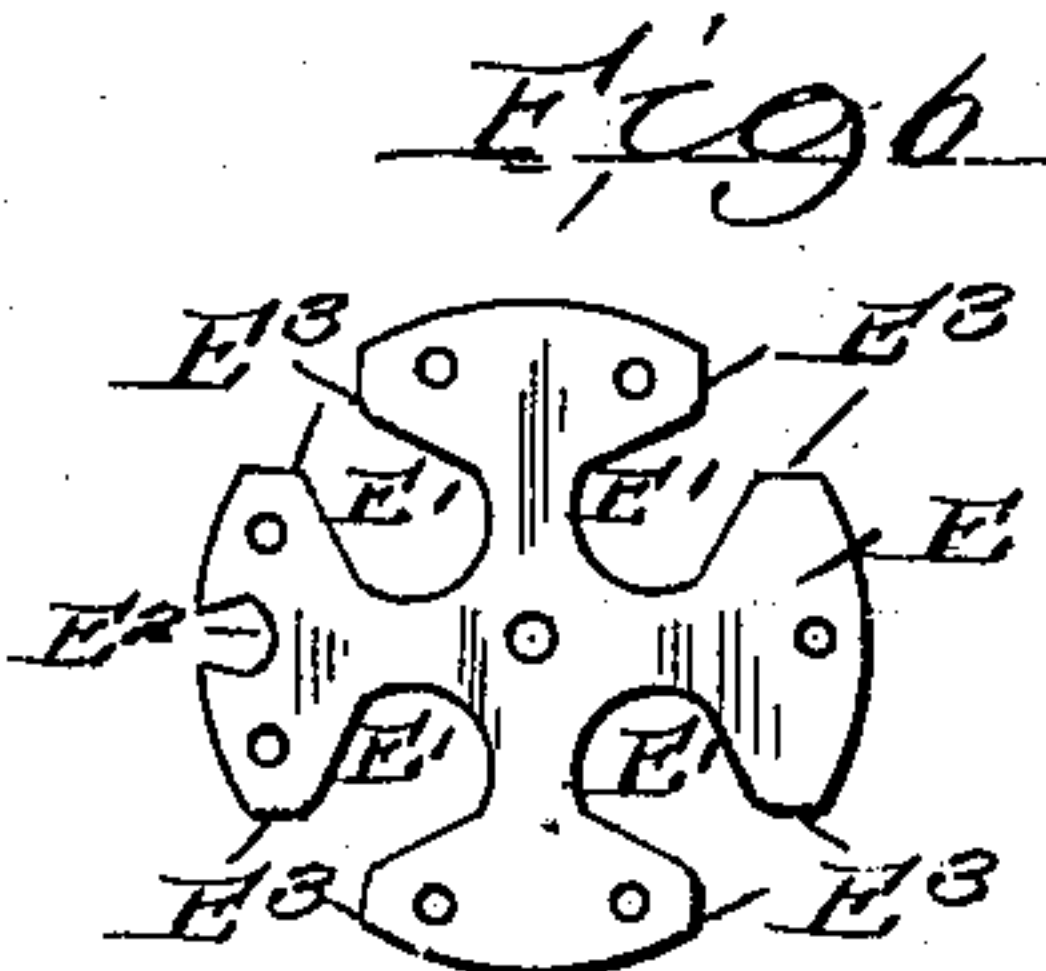
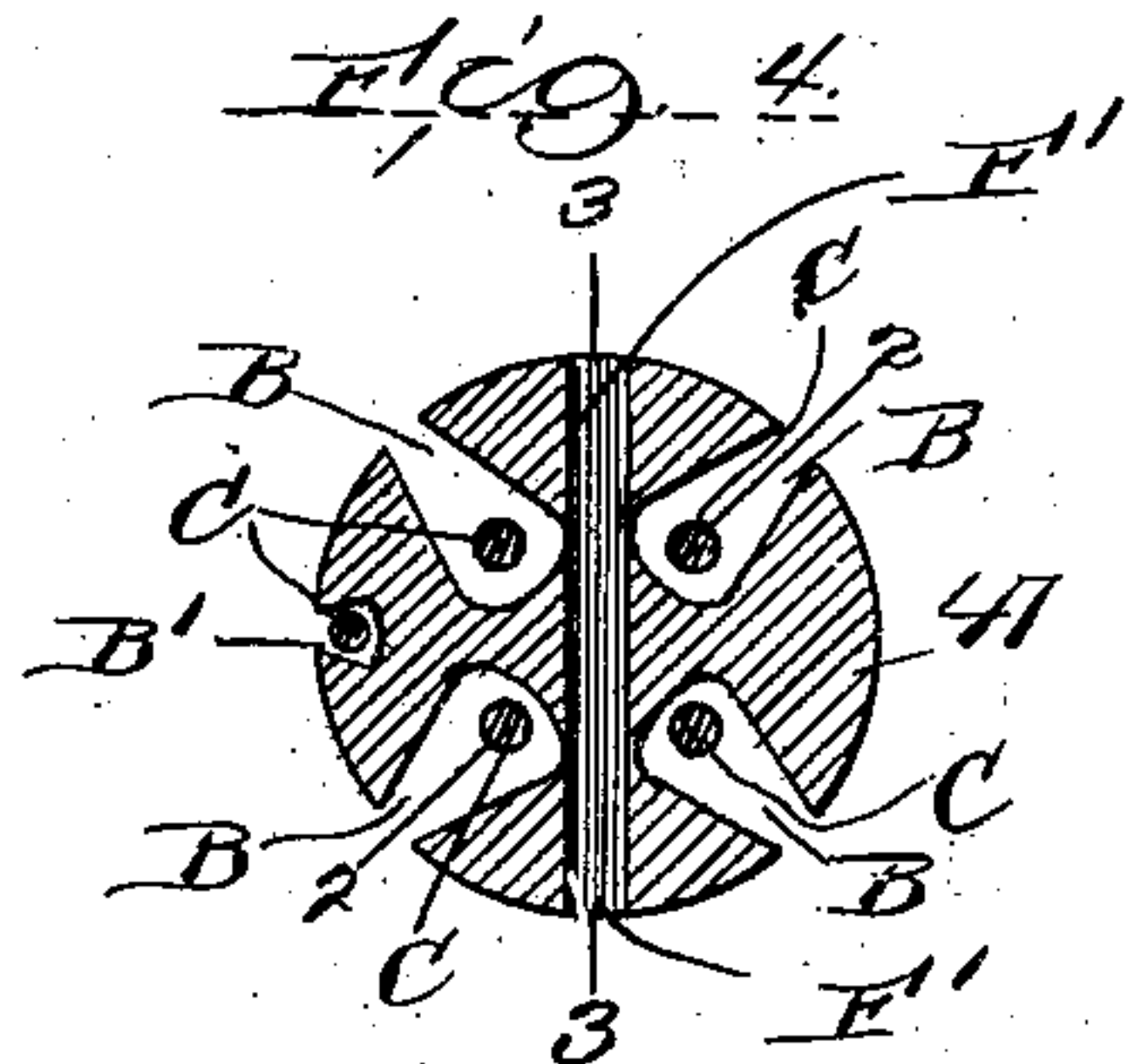
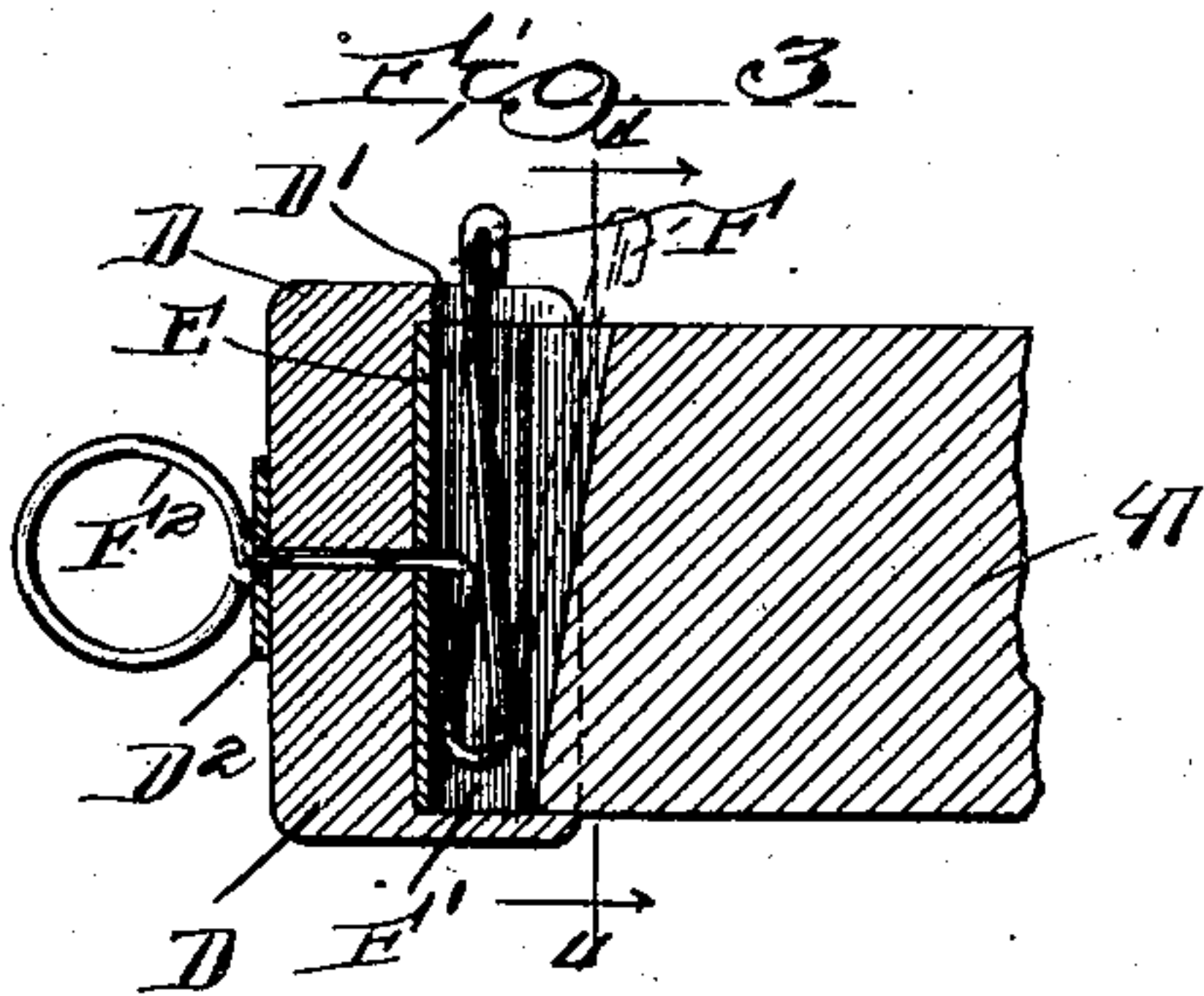
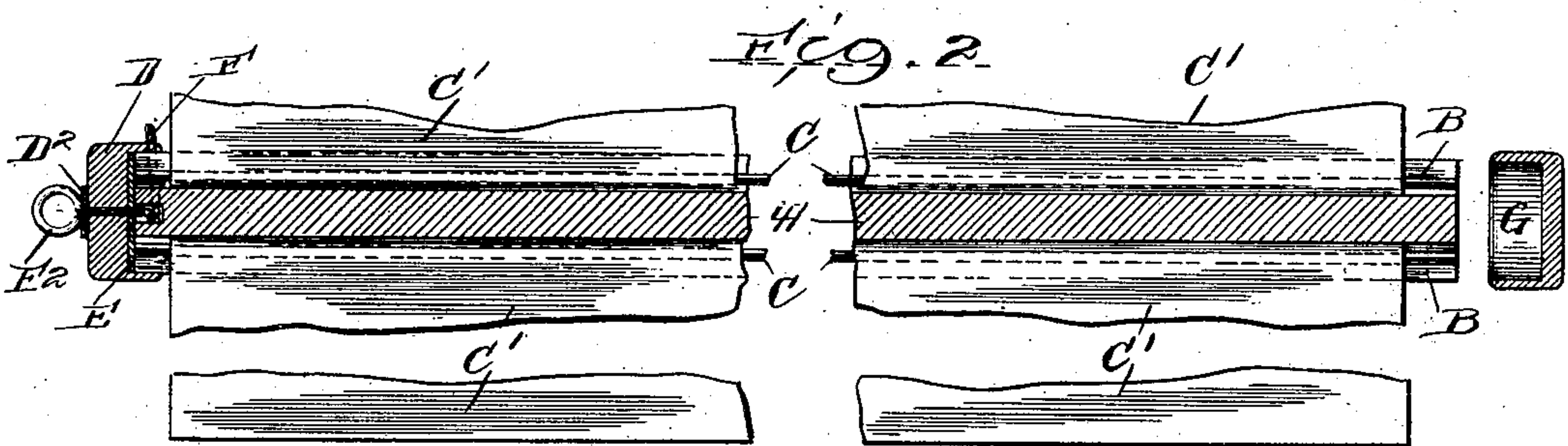
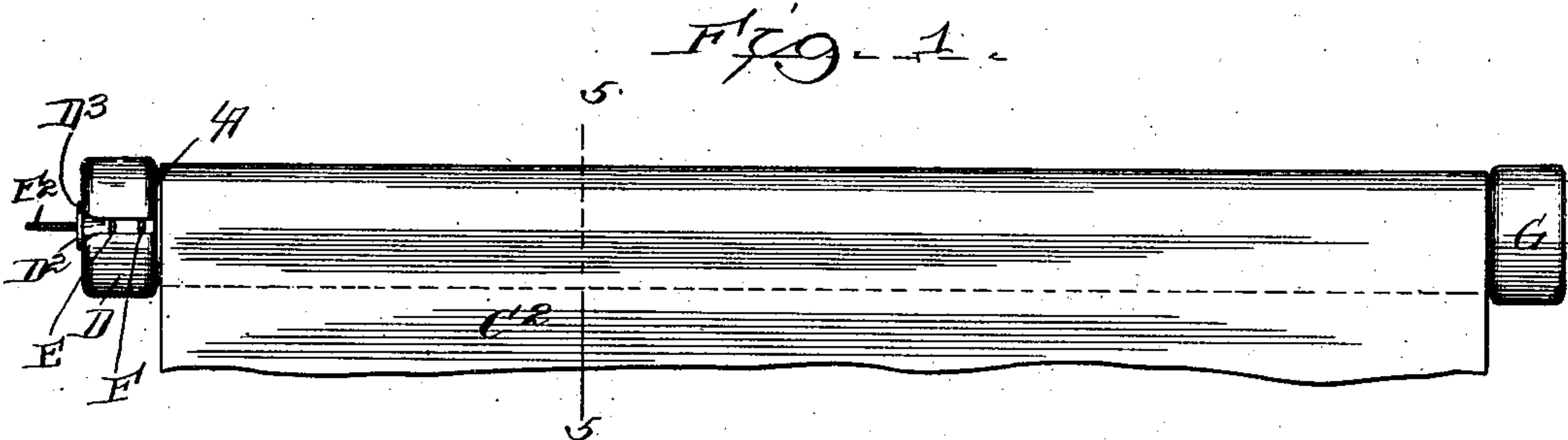
Patented Sept. 30, 1902.

H. F. ENGLEKING.

FILE.

(Application filed Apr. 21, 1902.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## FILE.

SPECIFICATION forming part of Letters Patent No. 709,889, dated September 30, 1902.

Application filed April 21, 1902. Serial No. 104,011. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY F. ENGLEKING, a citizen of the United States, residing at No. 775 Loomis street, in the city of Chicago, county of Cook, and State of Illinois, have invented a certain new and useful Improvement in Files; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My improvement relates to that class of devices which are used for the temporary preservation of newspapers, periodicals, journals, diagrams, drawings, blue-prints, and similar publications and documents.

The object of my invention is to construct a file of any required size including several separate files adapted to hold separate publications or documents and having a special file to hold a cover, adapted to securely inclose and cover said publications and documents when not in use, and to construct said file in a simple and inexpensive way and with a simple and easy adjustment of its several parts to permit the insertion and removal of the publications and documents filed and to extend its use beyond the usual limits of such files.

My improvement consists in the construction, arrangement, and combination of the several parts hereinafter described, and illustrated by the accompanying drawings, of which—

Figure 1 is a view of the file with the several parts assembled and the publications and documents thereon inclosed in the cover. Fig. 2 is a longitudinal section through the line 2 2, Fig. 4. Fig. 3 is a longitudinal section through the line 3 3, Fig. 4, showing the construction and arrangement of the spring-fastener in the cap and staff and the connection of the spring and cap with the staff. Fig. 4 is a sectional view of the staff through the line 4 4, Fig. 3, showing the channels in the staff and the files in their relative positions and the transverse groove in which the spring-fastener operates, as shown by the dotted lines, Fig. 3. Fig. 5 is a sectional view of the staff through the line 5 5, Fig. 1, showing the channels and files with the papers and documents attached thereto. Fig. 6 is a plan view of the plate affixed to the end of the staff and

through which the spring-fastener passes into and through the cap and beneath which the spring-fastener operates, as shown in Figs. 2 and 3. Fig. 7 is a plan view of the cap, showing the channel through which the papers and documents are inserted in the staff and the position of the spring-fastener when the cap and staff are locked together and the file is complete and the papers and documents thereon are secured in their respective places.

In the drawings, A is a staff in which the papers and documents, together with the cover, are held and on which they are folded when desired.

B represents longitudinal triangular channels cut in staff A, in which the papers and documents are inserted and held.

B' is a longitudinal triangular channel, in which the cover is inserted and held.

C represents files which are inserted, together with the papers, documents, and cover, in the channels B and B' in the staff A. C' represents papers and documents held by the files.

C<sup>2</sup> is the cover.

D is a movable cap which fits over one end of the staff and is retained thereon by the spring-fastener and is free to be revolved when the spring-fastener is depressed, as shown by the dotted line in Fig. 3.

D' is a triangular groove in the movable cap, D, through which the papers, documents, and cover are passed into the several channels in the staff.

D<sup>2</sup> is a washer resting on top of the cap, through which the spring-fastener passes and which forms a bearing for the eye, which rests thereon.

E is a metallic plate affixed to the end of the staff A, the apertures therein, E' and E<sup>2</sup>, corresponding with the triangular channels B and B' in the staff A.

F is a spring-fastener arranged in the groove F' in the staff A and held in position by the plate E and cap D and washer D<sup>2</sup>.

G is the end cap, permanently fixed on the end of the staff.

F<sup>2</sup> is an eye formed on the spring-fastener F, by which the file may be suspended when not in use and which forms a bearing on the plate D<sup>2</sup>, holding the spring F in connection with the plate E and cap D.



The material used in the construction of my improved file is preferably wood, except the spring-fastener, its washer, plate, and the files, which are preferably metal, though I reserve the right to use any material suitable for the purposes and uses required.

The staff A is made, preferably, of one piece and is constructed with several longitudinal triangular channels B, as shown in Figs. 2, 3, 4, and 5, one of said channels being preferably smaller and adapted to hold the cover of the file, as shown at B', Figs. 4 and 5. The base of said triangular channels being rounded, all of these channels are slightly enlarged and rounded at one end of the staff to facilitate the insertion of the papers, documents, and cover. At this same end of the staff is a transverse groove F', as shown in Fig. 4, the base of said groove being inclined, as shown in Fig. 3. On this same end of the staff and covering said groove the plate E, Fig. 6, is affixed, as shown in Figs. 2 and 3. In this groove F' the spring-fastener F is arranged, as shown in Fig. 3, the free end of said spring extending from the deepest side of said groove F'. The fixed end extends through the center of the plate E. Over this end of the staff the cap D is placed, and through its center the fixed end of the spring F extends and is bent into the form of an eye F<sup>2</sup>, as shown in Figs. 2 and 3, the eye resting on the plate D<sup>2</sup>, as shown in Figs. 2 and 3, the washer D<sup>2</sup>, the plate E, and spring F forming a bearing in which the cap D is free to be revolved and by which the cap D is attached to and held on the staff A, as shown in Figs. 2 and 3. In one side of the cap D is a triangular groove or opening, as shown in Figs. 1, 3, and 7, corresponding in size and shape to the longitudinal channels in the staff and through which the free end of the spring F projects when the file is closed and in use, as shown in Figs. 1, 3, and 7, and also through which the papers and documents are passed into the several channels of the staff as the cap is revolved and the opening therein is brought into line with each of the several channels in the staff.

When the file is constructed as herein described, with the cap G affixed to one end of the staff and the movable cap D attached to the other end and in the position shown in Fig. 3, all the channels in the staff are closed. To attach the cover to the staff, the spring F is depressed to the position shown by the dotted lines in Fig. 3 and the cap D revolved till the opening D' in the cap D is in line with the channel B' in the staff A. The cover, either double or looped at one end, is placed over one of the loose files C and inserted, with the file, in the channel B'. The cap D is then moved around till the opening D' is in line with the next channel in the staff, and the paper or document to be filed is placed over another of the loose files C and inserted in the staff. This operation is repeated till the file is filled or till the required papers or docu-

ments are placed in the staff. Then the cap D is turned around either way till the opening D' is in line with the groove F', in which position the depressed spring is released and resumes the position shown in Figs. 1, 2, 3, and 7, in which position the cap is locked and the matter filed is secure from displacement and may be opened for use or be rolled up in the cover and the file be hung up by the eye or otherwise disposed of.

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

1. A file for the temporary or permanent preservation of papers, journals, charts, plats, maps, plans, drawings, blue-prints and other documents, comprising a main staff preferably of wood, and cylindrical in form and of one piece, said staff being constructed with several longitudinal channels of triangular form and closed at one end of said staff, the openings at the other end of said staff being enlarged and rounded out, and also having a transverse groove across the end of said staff and between the open ends of said channels; a plate corresponding in form to the end of said staff and affixed thereto and having openings corresponding to the shape of the open ends of the channels in said staff and covering said transverse groove; a spring adapted to be retained and to be operated in said transverse groove the free end of said spring extending therefrom and beyond the diameter of said staff, the fixed end extending through a hole in the center of said plate and formed into an eye; a number of loose rods or files corresponding to the number of channels in the staff and adapted to be freely inserted and removed therefrom, and a cap adapted to fit over the end of the staff and to cover the open ends of the channels and to be held in position on said staff by the fixed end of said spring and having an opening in its periphery corresponding in form with the open ends of the channels in the staff, said cap being arranged to be rotated on said staff and the opening in said cap brought into line with the opening of the channels in the staff and to close all of said channels and to be locked in the closed position by the free end of the spring, substantially as described and for the purposes specified.

2. The combination in a file of the class described of a main staff having a series of longitudinal channels, the interior sectional area of each of said channels increasing in size from the exterior opening and toward the axis of said staff, so as to provide ample space for the insertion therein and removal therefrom of a loose rod or file and for the folds of paper or fabric surrounding said rod or file when adjusted and held in said channel, and a series of rods or files corresponding in number with the said channels, with means for closing the ends of said channels and thereby retaining said rods therein, substantially as described.

3. The combination of a file of the class de-



scribed of a main staff having a transverse groove in its end, and several longitudinal channels triangular in form; rods or files corresponding in number to said channels and  
5 adapted to be inserted and removed therefrom and a movable cap adapted to be attached to one end of said staff and having an opening corresponding to the open ends of said channels, with a spring adapted to be re-  
10 tained and operated in the transverse groove in the end of said staff and by a plate affixed to said staff and covering said groove and to hold said cap and lock it in position to close said channels, substantially as described and  
15 for the purposes specified.

4. The combination in a file of the class described of a main staff having several longi-

tudinal triangular channels and a transverse groove in one end of said staff and rods or files adapted to be inserted in and removed 20 from said channels and to hold papers and documents therein, with a plate adapted to be attached to the end of said staff and to cover said transverse groove therein and to hold the fixed end of the spring retained and 25 supported in said groove, and a spring held by said cap and retained in said groove adapted to lock the adjustable cap on said staff, substantially as described and for the purposes specified.

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