

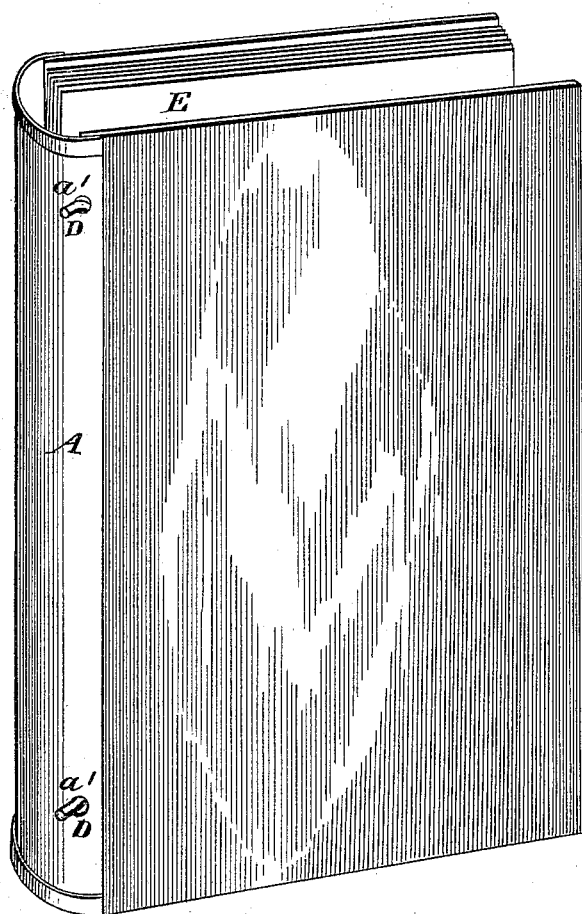
(No Model.)

A. COX.  
LETTER OR BILL FILE.

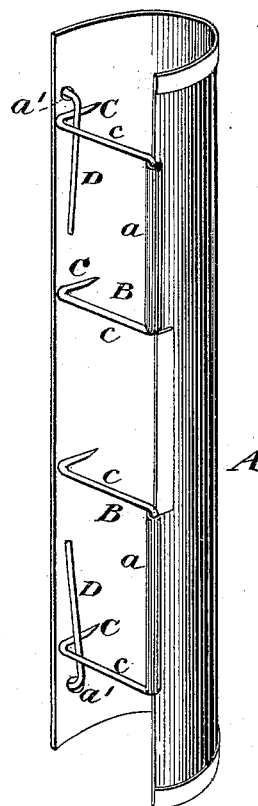
No. 417,771.

Patented Dec. 24, 1889.

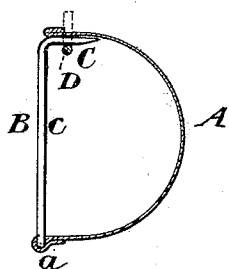
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*  
*A. Ruppert.*  
*H. A. Daniels*

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# UNITED STATES PATENT OFFICE.

ALFRED COX, OF JULIUSTOWN, NEW JERSEY.

## LETTER OR BILL FILE.

**SPECIFICATION** forming part of Letters Patent No. 417,771, dated December 24, 1889.

Application filed July 18, 1889. Serial No. 317,848. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED COX, a citizen of the United States, residing at Juliustown, in the county of Burlington and State of New Jersey, have invented certain new and useful Improvements in Letter or Bill Files; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a letter or bill file in which the bills or letters may be arranged in book form, each one forming the leaf of a book. This will enable them to be turned and run over like the leaves of a book, so that the eye will quickly detect the one wanted.

Figure 1 of the drawings is a perspective view of the file with back and covers; Fig. 2, a similar view of the back, and Fig. 3 a cross-section of said back.

In the drawings, A represents a piece of sheet metal bent to the shape of the back of a book, the edges of the sides and ends being preferably turned over, as shown in Fig. 2 of the drawings.

B are three-sided rectangular wires, having their ends bent at a right angle, so as to form the latches C, which work in the spring-catches

D, arranged on the inside of the back and a little below the edges of the sides.

The wires B are hinged in the turn-over loops *a a*, while the spring-catches D are bent at the ends, so as to go through the holes *a' a'* in the back A and made sharp thereat in order to readily penetrate the letters or bills E, which are then arranged on the arms *c*. By pressing on the ends of the spring-catches D the arms *c* may be lifted so as to put a letter or bill on or take it off. A cover of card-board may be used on each side, as shown in Fig. 1 of the drawings, so as to give the file the exact form of the ordinary book. Magazines may thus be filed with index and cover, if desired.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A letter or bill file consisting of the back A, the three-sided rectangular wires B, carrying the latches C, and the spring-catches D, arranged on the inside of back A, the said file being made with or without covers, as shown and described.

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

ALFRED COX.

Witnesses:

AMOUR COX,  
STALEY C. SHIMER.