

R. B. IRWIN.
LETTER AND MUSIC FILE.

No. 45,327.

Patented Dec. 6, 1864.

FIG. 2.

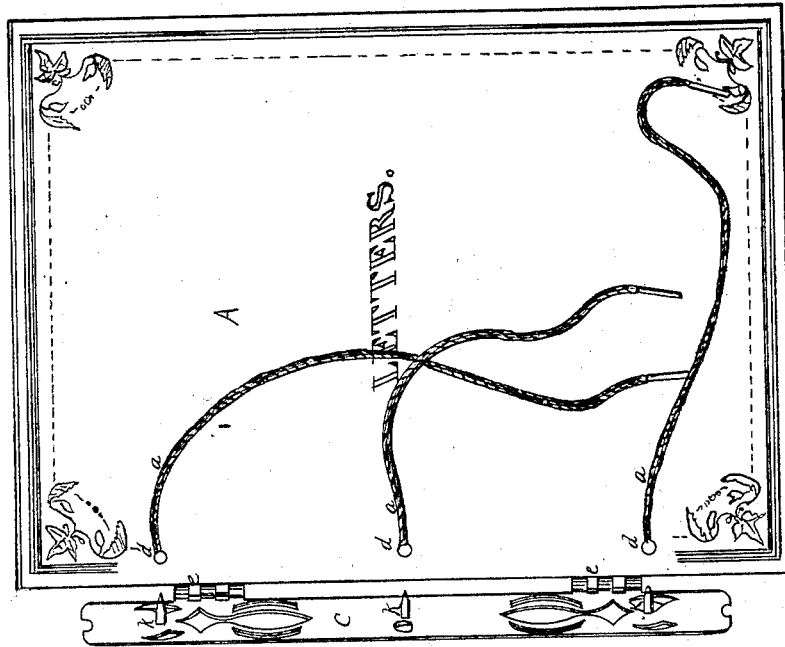
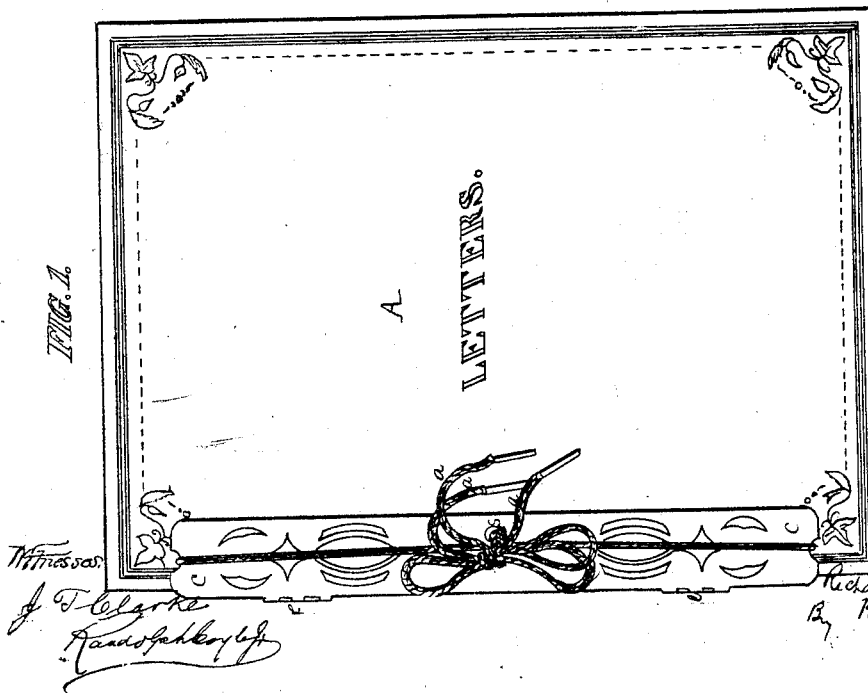


FIG. 1.



Inventor

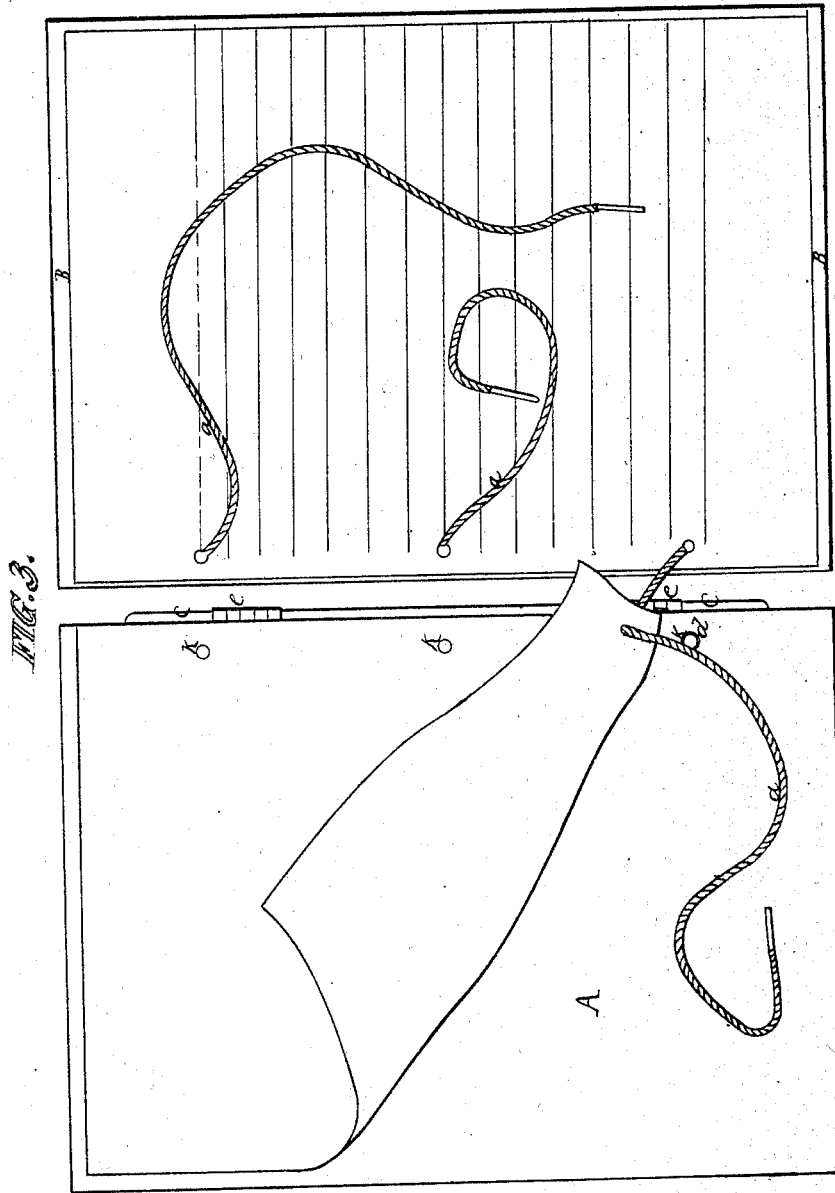
Richard B. Irwin
By Robert Burroughs
21.

Witnesses
J. T. Clarke
R. B. Irwin

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J. T. Clarke
R. B. Irwin

Inventor:

Richard B. Irwin
By R. B. Irwin
att'y

UNITED STATES PATENT OFFICE.

RICHARD B. IRWIN, OF NEW YORK, N. Y.

LETTER AND MUSIC FILE.

Specification forming part of Letters Patent No. 45,327, dated December 6, 1864.

To all whom it may concern:

Be it known that I, RICHARD B. IRWIN, of the city, county, and State of New York, have invented a new and useful Improvement in Letter-Files; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan view of my improved letter-file closed; Fig. 2, a similar view thereof with the hinged piercing-plate thereon turned up; Fig. 3, a plan view of my letter-file thrown open, showing more clearly the manner of securing papers therein.

Similar letters indicate like parts in all of the drawings.

My invention consists in the combination of sharp pins with one cover of a letter-file, so as to pierce the apertures required in the papers to be filed for the reception of the binding-cords necessary to retain them in place.

My improved letter-file consists of two stout leaves or covers, A and B, which are united together, when in use, by a suitable number of cords, *a a a*, secured at one end to the inner side of the second cover, B, and which pass through apertures *d d d*, pierced in the edge of the opposite cover, A, to receive them.

A metallic piercing-plate, C, Figs. 1 and 2 of the drawings, is attached to the rear edge of the cover A of the file by means of light hinges *e e*, so as to fold over neatly and closely upon its outer face. It is narrow and nearly equal in length to the cover, as represented in the drawings, and has sharp pins *k k k* firmly secured upon its inner face at such points as that when the plate is closed over on the cover they will project slightly through the apertures *d d d* pierced therein.

When papers are to be filed in my improved letter-file, the binding-cords *a a a* are drawn entirely out of the apertures *d d d* in the cover A of the file, leaving it loose. The piercing-plate C is then closed down so as that its sharp pins *k k k* shall project up through the apertures *d d d*, as seen in Fig. 3. The paper to be filed can now be laid upon or against the inner side of this cover A, and its edge,

when pressed down thereon, will be pierced by the projecting pins *k k k*. The apertures thus formed therein, will of course coincide exactly with the position of the binding-cords *a a a* and with the holes already made in the papers previously filed, so as that when the cords are passed through the same the paper will lie evenly in the file. After the cords have been drawn through the holes thus pierced in the paper they are next passed through the apertures *d d d* in the cover A, and secured outwardly thereon by bringing the upper and lower cords around the ends of the plate *c*, and then tying them in a knot, with the central cord which passes through an aperture, S, Fig. 2, in the plate by the side of the central pin, all as clearly shown in Fig. 1 of the drawings.

I contemplate uniting the plate C rigidly to the cover instead of hinging it thereto, as described and shown. In such case the pins *k k k* would remain permanently projecting through the cover A, as seen in Fig. 3, and the cords *a a a* drawn through the papers pierced thereby would pass through apertures pierced in the plate and cover by the side of each pin, as illustrated at S in Fig. 1 of the drawings.

Having thus fully described my invention, I do not claim filing letters between independent leaves, boards, or covers A and B by means of binding-cords *a a a* as in itself novel; but

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

Combining two or more sharp pins with one leaf or cover of a letter-file, in such a manner as that the papers to be filed may be pierced thereby at uniform intervals, for the reception of binding-cords to unite said leaves or covers and secure said papers, substantially in the manner herein set forth.

The foregoing specification of my improved letter-file signed by me this 14th day of October, A. D. 1864.

RICHD. B. IRWIN.

In presence of—

GEO. B. EMORY,
F. TATTERTHWAITE.