

F. F. FLETCHER.
Metallic-Shutters.

No. 157,505.

Patented Dec. 8, 1874.

Fig. 1

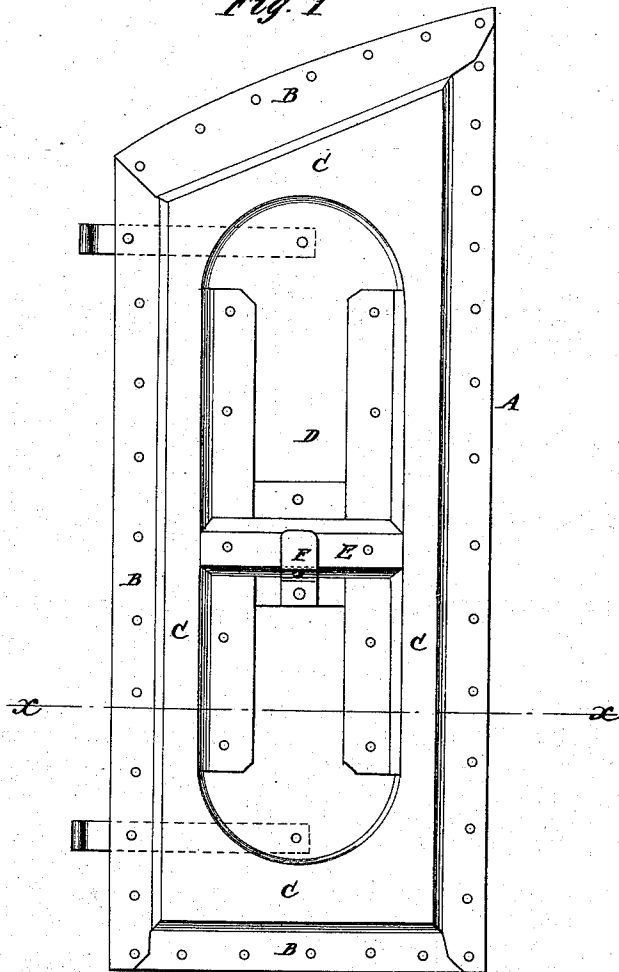
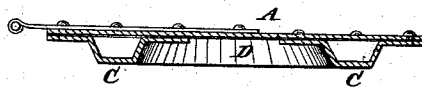


Fig. 2



WITNESSES:

A. W. Almqvist
Wedquist

INVENTOR:

F. F. Fletcher

BY

Mumter

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FISHER F. FLETCHER, OF SIOUX CITY, IOWA.

IMPROVEMENT IN METALLIC SHUTTERS.

Specification forming part of Letters Patent No. **157,505**, dated December 8, 1874; application filed June 13, 1874.

To all whom it may concern:

Be it known that I, FISHER F. FLETCHER, of Sioux City and county, in the State of Iowa, have invented an Improved Fire-Proof Shutter, of which the following is a specification:

Figure 1 of drawing is a front elevation, and Fig. 2 a cross-section.

The invention contemplates the manufacture of a single-sheet shutter, paneled and braced so as to possess the necessary strength with only a weight of about seventy-five pounds.

I re-enforce a continuous sheet, A, on the margin or edges by riveted strips B, and brace the middle by the raised panel C.

By this construction I save more than twenty-five per cent. in cost, more than fifty per cent. in weight, and withal produce a shutter not liable to sag or tear loose from the walls.

What I claim as my invention is—

A single-sheet shutter re-enforced on the edges by strips B, and in the middle by panel-braces C, as shown and described.

FISHER F. FLETCHER.

Witnesses:

JAMES M. BACON,
H. A. DWIGHT.