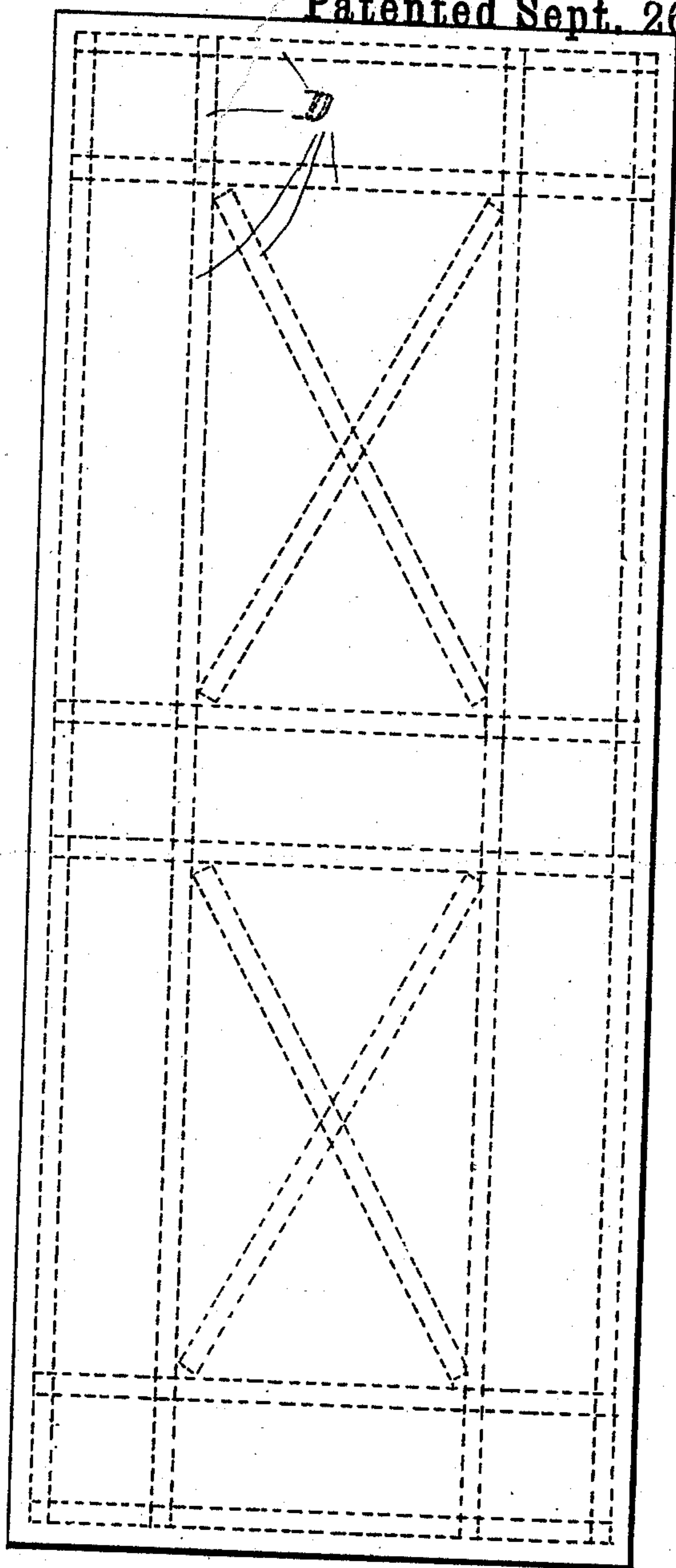
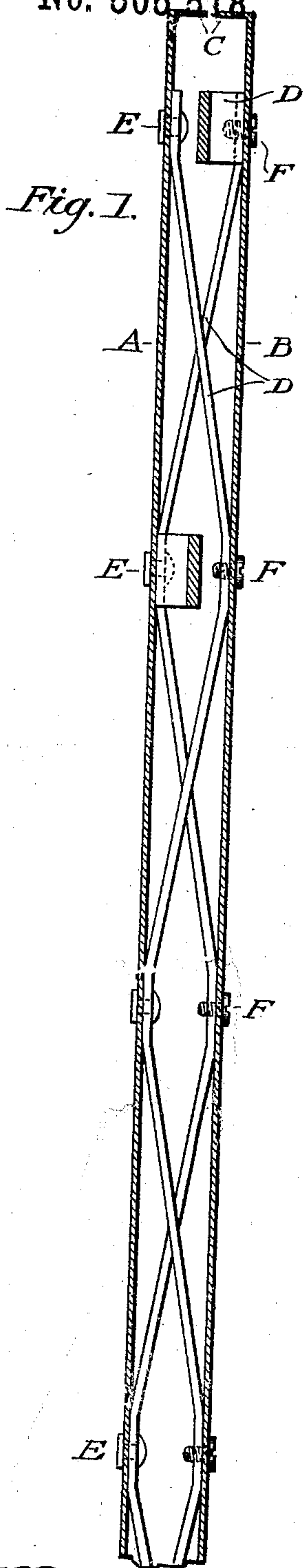


(No Model.)

J. GASCOIGNE.
FIREPROOF DOOR OR SHUTTER.

No. 505 518

Patented Sept. 26, 1893.



Witnesses:
W. A. Spire
George J. Tribe

Inventor:
Joseph Gascoigne

UNITED STATES PATENT OFFICE.

JOSEPH GASCOIGNE, OF WORCESTER, MASSACHUSETTS.

FIREPROOF DOOR OR SHUTTER.

SPECIFICATION forming part of Letters Patent No. 505,518, dated September 26, 1893.

Application filed June 29, 1892. Serial No. 438,480. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH GASCOIGNE, a subject of the Queen of England, (having made declaration of my intention to become
5 a citizen of the United States,) residing at Worcester, in the county of Worcester, State of Massachusetts, have invented a new and original Fireproof Door or Shutter, of which the following is a specification, reference being had to the accompanying drawings, in
10 which—

Figure 1 is a longitudinal section, and Fig. 2 is a front elevation on a reduced scale.

The object of my invention is to provide an
15 effective fireproof door or shutter that is incombustible. I attain this by the following means, viz: by using two sheets of iron "A" and "B," Fig. 1, with the edges turned inward at "C." These two sheets "A" and "B" are
20 connected to each other and fixed together to form the door or shutter by straps of iron "D," all of which are fixed across from one side "A," to the other side "B," in the manner shown; thus making the connection from
25 rivet "E" diagonally across to screw "F" the distance of all connections between the two sides "A" and "B." These two sides are fixed so that the turned in edges "C" are a little distance from each other as shown. Thus it
30 will be seen that all direct connection between the two sides "A" and "B" is through the

straps "D" and the length of said straps from rivet "E" to screw "F," which are the only connection between the two sides "A" and "B," makes the two sides "A" and "B" of the
35 door or shutter practically as far apart as the distance from rivet "E" across diagonally to screw "F" as regards the transmission of heat.

The dotted lines in Fig. 2 show the position in which the connecting straps "D," are placed
40 around and across the door or shutter. This is an effective fireproof door or shutter, as it is entirely made of iron making it incombustible; and the features of construction as described above make it practically equal to
45 several times its actual thickness as regards the transmission of heat.

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

A fire proof door or shutter comprising two
50 sheets of iron forming the two sides, their edges being turned inward and a short space being left between said turned-in edges, and connections between the two sides, consisting entirely of diagonally arranged straps secured
55 alternately to the two sides of the door or shutter, substantially as described.

JOSEPH GASCOIGNE.

Witnesses:

GEORGE S. TRIBE,
W. A. SPIERS.