

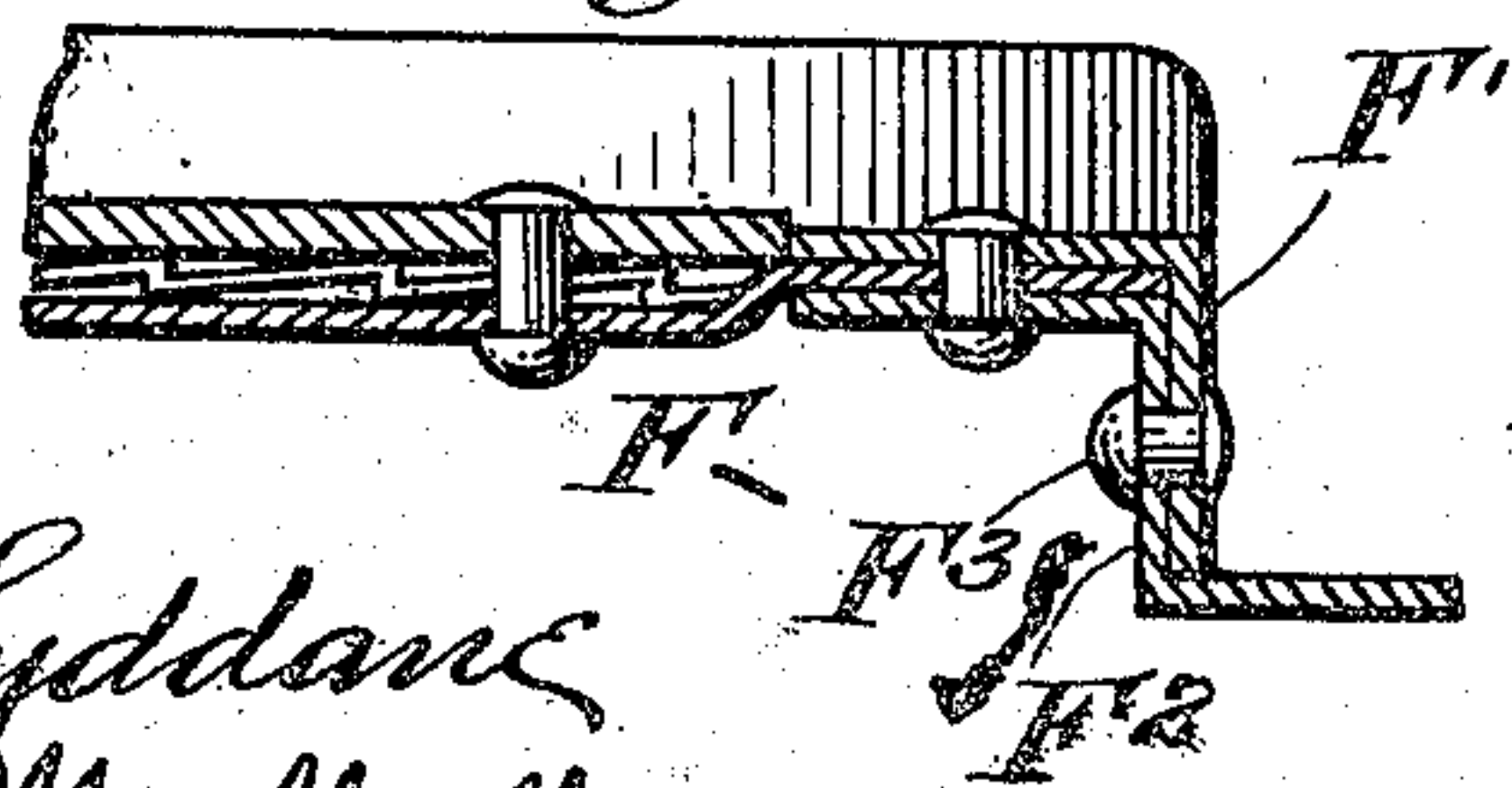
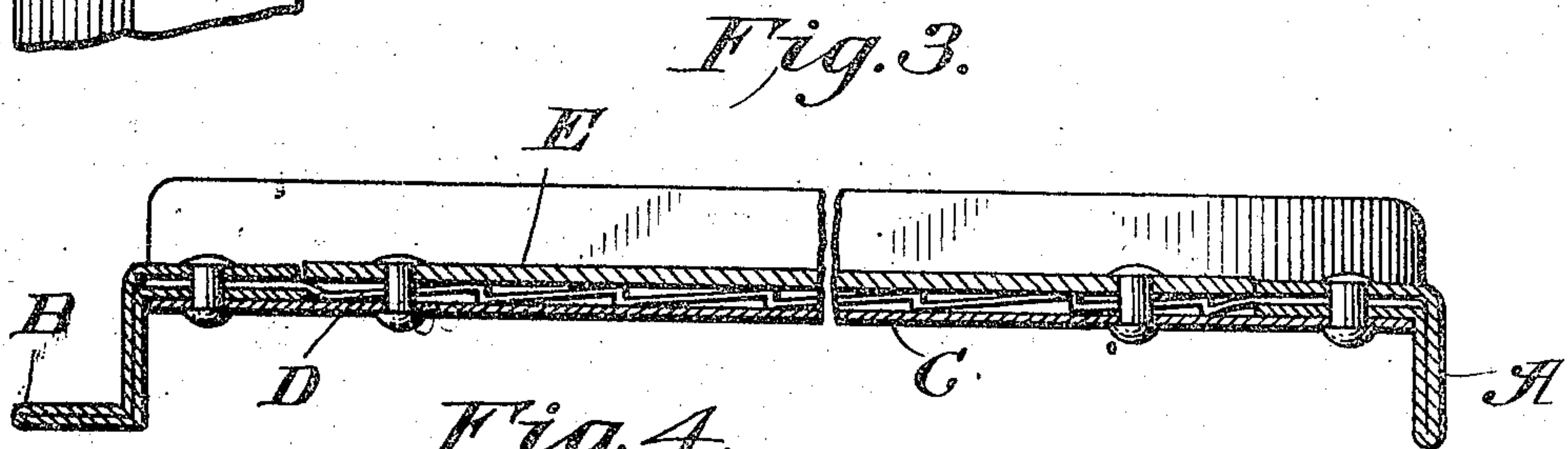
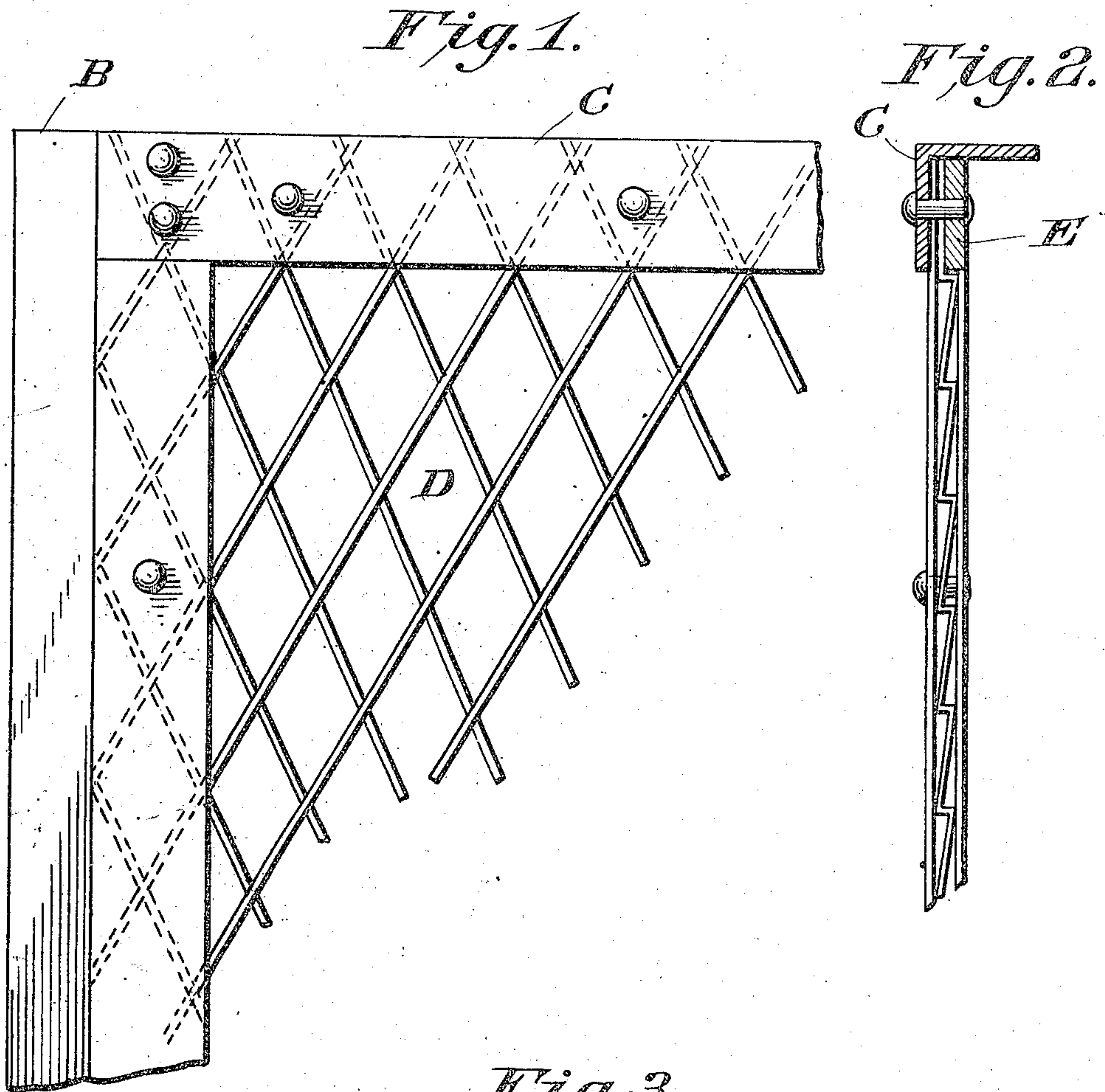
No. 894,504.

PATENTED JULY 28, 1908.

R. W. JEFFERIS.

LOCKER DOOR.

APPLICATION FILED NOV. 29, 1907.



Witnesses  
W. C. Lyddane  
J. A. L. Mulhall.

Inventor  
Richard W. Jefferis  
By  
Joshua H. B. B. B.  
Attorney



# UNITED STATES PATENT OFFICE.

RICHARD W. JEFFERIS, OF MERCHANTVILLE, NEW JERSEY.

## LOCKER-DOOR.

No. 894,504.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed November 29, 1907. Serial No. 404,247.

*To all whom it may concern:*

Be it known that I, RICHARD W. JEFFERIS, a citizen of the United States, residing at Merchantville, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Locker-Doors, of which the following is a specification.

This invention relates to door construction especially adapted to be used on lockers, and on my improved locker on which I am about to apply for a patent, the object being to provide a screen door which is exceedingly simple and cheap in construction and one which when assembled will be very strong and durable.

Another object of my invention is to provide the side bars of the door frame with longitudinal sockets, one bar being a right angle bar and the other a compound angle bar which enables the expanded metal screen to be secured rigidly within the sockets.

Another object of my invention is to form the upper and lower cross bars out of angle bars over which the upper and lower edges of the expanded metal is adapted to extend, the same being secured thereto by flat bars which are secured to the angle bars by rivets.

A further object of my invention is to provide one of the side bars of the frame of the door with an outwardly projecting portion adapted to extend over one of the side bars of the door casing when mounted therein, so as to cover the jamb and prevent the door from being pried open with an instrument.

These objects are attained by the novel arrangement and construction of parts hereinafter fully described and shown in the accompanying drawings, in which,

Figure 1, is a plan view of a portion of my improved door. Fig. 2, is a vertical section through the same. Fig. 3, is a horizontal section through my improved door, and, Fig. 4, is a detailed horizontal section showing a modified form of a compound angle bar

Referring to the drawings A and B, indicate the two side bars of my improved door, and C, the cross bars connecting the said bars together forming the frame of the door. The side bar A, is a right angle double bent bar, the two outwardly projecting parallel portions of which are contracted and the other two parallel bars being spaced apart, for the purpose hereinafter described. The side bar B, is a compound angle double bent bar hav-

ing two bends, the outwardly projecting portions being contracted and the parallel end portions being spaced apart between which the side edge of the expanded metal screen D, is adapted to be secured by rivets passing through the spaced parallel portions, the other side edge of the expanded metal screen fitting between the spaced parallel portions of the bar A, and is secured therein in a similar manner. The bars C, are right angle bars, the vertical flanges of which extend over the bars A and B, at their ends and over the upper and lower edges of the expanded metal screen D. The screen being secured to these bars by flat bars E, which are arranged on the rear face of the expanded metal and are connected to the bars C, by rivets which securely lock the upper and lower edges of the expanded metal and spaced portions, and at the same time forms a rigid door. It will be seen that the bars E, are shorter than the bars C, and when assembled will fit between the bars A and B, so that a tight joint will be formed.

In the modification shown in Fig. 4, I have shown a compound angle side bar F, formed of a right angle bar F<sup>1</sup>, and of a compound angle bar F<sup>2</sup>, which are connected together by rivets F<sup>3</sup>. This construction greatly reduces the cost of manufacturing the double bent bars, it, of course, being understood that a socket is formed in this bar in a similar way.

From the foregoing description it can be seen that I have formed a door so constructed that it can be shipped ready to be installed, the parts being so arranged that a very rigid door is formed and one in which the expanded metal screen will be securely locked therein, whereby it will be impossible for same to become loose or be pried open with an instrument without breaking same.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is;

1. A door comprising a right angle side bar, and a compound angle side bar connected together at their ends by angle bars and an expanded metal screen secured to said bars.

2. A door frame comprising angle side bars and cross bars, one side bar being a right angle bar and the other a compound angle bar.

3. A door frame comprising angle side



bars, and cross bars, one side bar being a right angle bar and the other a compound angle bar, the side bars being double bent to form longitudinal sockets.

5 4. A door comprising an angle side bar and a compound angle side bar connected together at their ends by bars, said bars being provided with sockets and an expanded metal screen secured in said sockets.

10 5. A door comprising double bent angle bars forming the side bars of the door frame, the outwardly projecting portion being contracted and the parallel end portion spaced apart, one side bar being an angle bar and  
15 the other a compound angle bar, angle bars connecting said bars and a reticulated panel secured between the spaced parallel end por-

tions of the side bars, and flat bars for securing said panel to the cross bars.

6. A door comprising double bent angle 20 side bars, and angle cross bars, one side bar being a right angle bar and the other a compound angle bar, said bars having longitudinal sockets formed therein and an expanded metal screen secured in said sockets and bars 25 secured to the rear of the cross bars over the edge of the expanded metal screen.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RICHARD W. JEFFERIS.

Witnesses:

M. C. LYDDANE,  
R. H. KRENKEL.