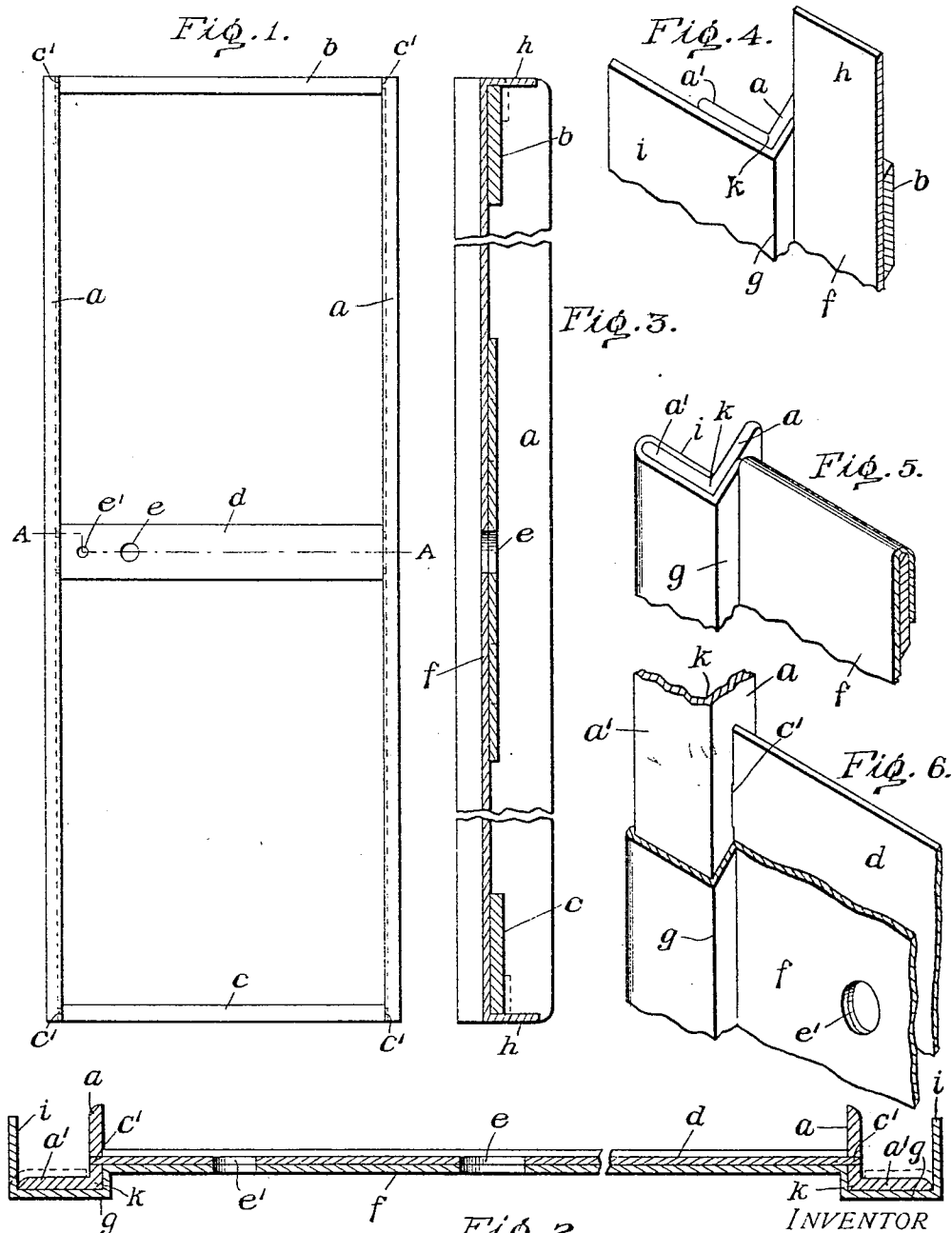


No. 821,102.

PATENTED MAY 22, 1906.

R. W. JEFFERIS.
METALLIC DOOR OR PANEL FOR LOCKERS.

APPLICATION FILED DEC. 8, 1905.



WITNESSES:

D. Webster, Jr.
Chas. Rooney.

Fig. 2.

Richard W. Jeffris
BY
Attorney

UNITED STATES PATENT OFFICE.

RICHARD W. JEFFERIS, OF MERCHANTVILLE, NEW JERSEY, ASSIGNOR TO
MERRITT AND COMPANY, A CORPORATION OF NEW JERSEY.

METALLIC DOOR OR PANEL FOR LOCKERS.

No. 821,102.

Specification of Letters Patent.

Patented May 22, 1906.

Application filed December 8, 1905. Serial No. 290,891.

To all whom it may concern:

Be it known that I, RICHARD W. JEFFERIS, of Merchantville, county of Camden, and State of New Jersey, have invented an Improvement in Metallic Doors or Panels for Lockers and the Like, of which the following is a specification:

My invention relates particularly to the construction of the metallic frame and to the combination therewith of the sheathing which forms the face of the panel or door without the necessary use of rivets or other positive fastenings.

The omission of the rivets not only simplifies the construction and improves the appearance, but it avoids the weakening of the sheathing material at the rivet-holes. The sheathing adds to the rigidity of the framework and acts to hold the members thereof against strain, so that the door or panel possesses great rigidity combined with lightness and neatness of appearance.

In the drawings, Figure 1 is a front elevation of the frame of a metal door or panel embodying the invention. Fig. 2 is a horizontal section of the same on the line A A of Fig. 1 applied to the frame. Fig. 3 is a vertical section of the same. Figs. 4 and 5 are perspective views of one of the top corners, illustrating the bending of the metal sheathing over the frame; and Fig. 6 is a perspective view of the central portion of the door.

The door or panel frame consists of two vertical side irons *a a*, preferably angle-irons, and horizontal top and bottom cross-bars *b c*, which are preferably flat bars having their ends tenoned and riveted in the angle-irons, as at *c'*.

d is a cross-bar between the irons *a a* at the middle, which may also be secured to the irons by riveted tenons and which may act as the support for the handle and lock. To this end it is shown provided with suitable apertures *e e'*. The ends of the cross-bars *b c d* are shown secured to the vertical angle-irons *a a* at a distance from the angles of the irons, so as to form the vertical shoulders *k k*.

f is a metal sheathing, preferably of stamped sheet metal, having its sides formed with vertical stamped shoulders *g g*, which fit the shoulders *k* and front face *a'* of the irons *a*. These channels extend the length of the vertical irons *a a*, but the central portion of the sheathing at the top and bottom between the

channels is continued for a substantial distance beyond the top and bottom cross-bars, as shown at *h* at the top in Fig. 4. The sheathing-sheet thus stamped is placed upon the frame *a a b c* with the shoulders *g g* fitting upon the shoulders of the angle-irons *a a* and the outer vertical edges *i i* extending beyond the front flanges *a* and the upper and lower edges *h* between said shoulders projecting beyond the top and bottom bars *b c*. The side edges *i i* are then bent in over the flanges *a' a'* (see Figs. 5 and 6 and dotted lines in Fig. 2) and the top and bottom edges *h* are bent over the cross-bars *b* and *c*. (See Fig. 5 and dotted lines in Fig. 3.) The door or panel is then complete, and no rivets or other fastenings are required to secure the sheathing to the frame.

The engagement of the bent portions *i* and *h* with the lateral flanges *a'* of the side irons and the cross-bars *b c* causes the sheathing to act to bind the members of the framework together and to resist strains, so that the sheathing adds materially to the strength and rigidity of the door or panel as a whole.

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

1. A door or panel for metal lockers and the like, consisting of a pair of vertical angle-irons, connected at the top and bottom by cross-bars, and a metal sheathing having its vertical side edges bent over the front flanges of the vertical angle-irons and its upper and lower edges bent over the top and bottom cross-bars.

2. A door or panel for metal lockers and the like, consisting of a pair of vertical angle-irons, connected at the top and bottom by cross-bars secured at their ends to said angle-irons at a distance in from their angular edges to form vertical shoulders, and a metal sheathing provided with vertical shoulders fitting over the shoulders of the angle-irons and having its vertical side edges beyond said shoulders bent over the front flanges of the vertical angle-irons and its upper and lower edges bent over the top and bottom cross-bars.

3. A door or panel for metal lockers and the like, consisting of a frame composed of vertical angle-irons *a a* and cross-bars *b c* secured to said angle-irons at their ends at a distance in from the angles of said irons to form shoulders *k*, and a sheathing of sheet

metal having its sides formed with stamped shoulders *g* fitting over the shoulders *k* of the angle-irons and its edges beyond said shoulders bent about the front flanges of said angle-irons.

4. The metal frame for doors and panels of lockers and the like, composed of parallel irons, and cross-bars fastened at their ends to the inner side faces of said irons at a distance in from the outer front faces to form shoulders at the corners of said irons.

5. The metal frame for doors and panels of lockers and the like, composed of parallel irons, and cross-bars fastened at their ends to the inner side faces of said irons at a distance in from the outer front faces to form shoulders at the corners of said irons, in combination with a sheathing fitted over said shoulders

and having its edges bent over the connecting cross-bars and also over the outer edges of the front faces of said irons.

6. A door or panel for metal lockers and the like, consisting of two metal side bars, cross-bars fastened at their ends to the inner side faces of said side bars, and a metal sheathing having its side edges bent about the outer edges of the metal side bars, and its upper and lower edges bent over the tops of the cross-bars between said side bars.

In testimony of which invention I hereunto set my hand.

RICHARD W. JEFFERIS.

Witnesses:

P. T. AINGE,

H. S. BARNES.