No. 862,595. PATENTED AUG. 6, 1907.

A. J. THORNLEY.

LOCKER.

APPLICATION FILED JUNE 28, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

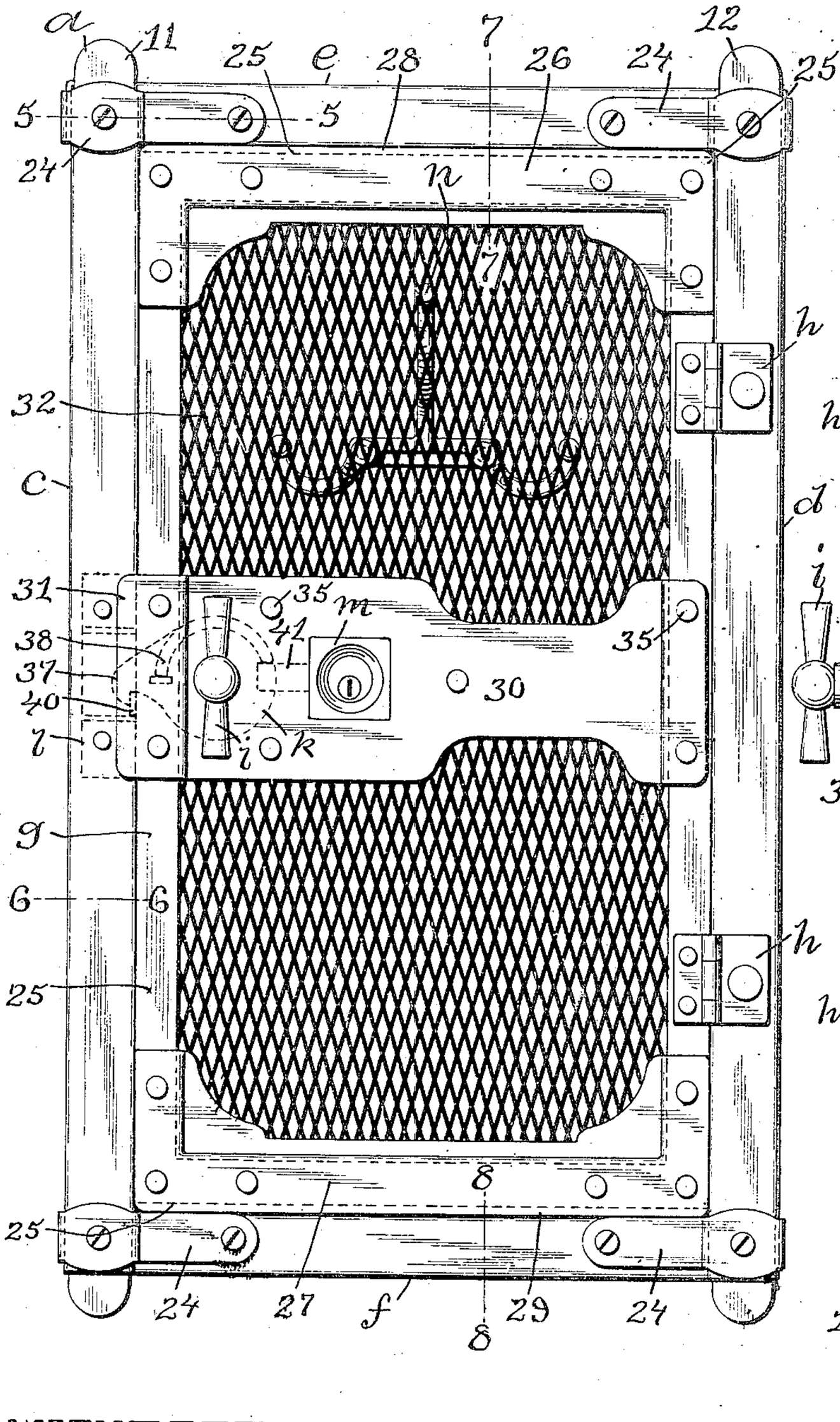
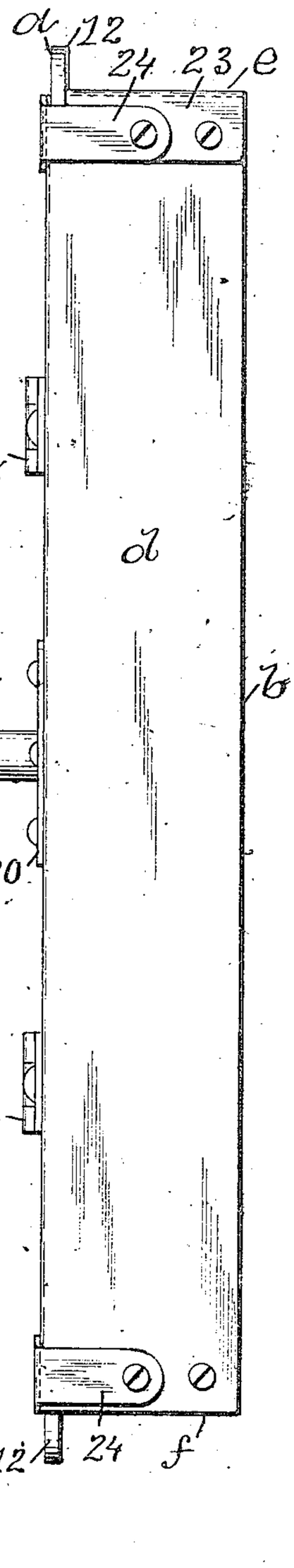


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3

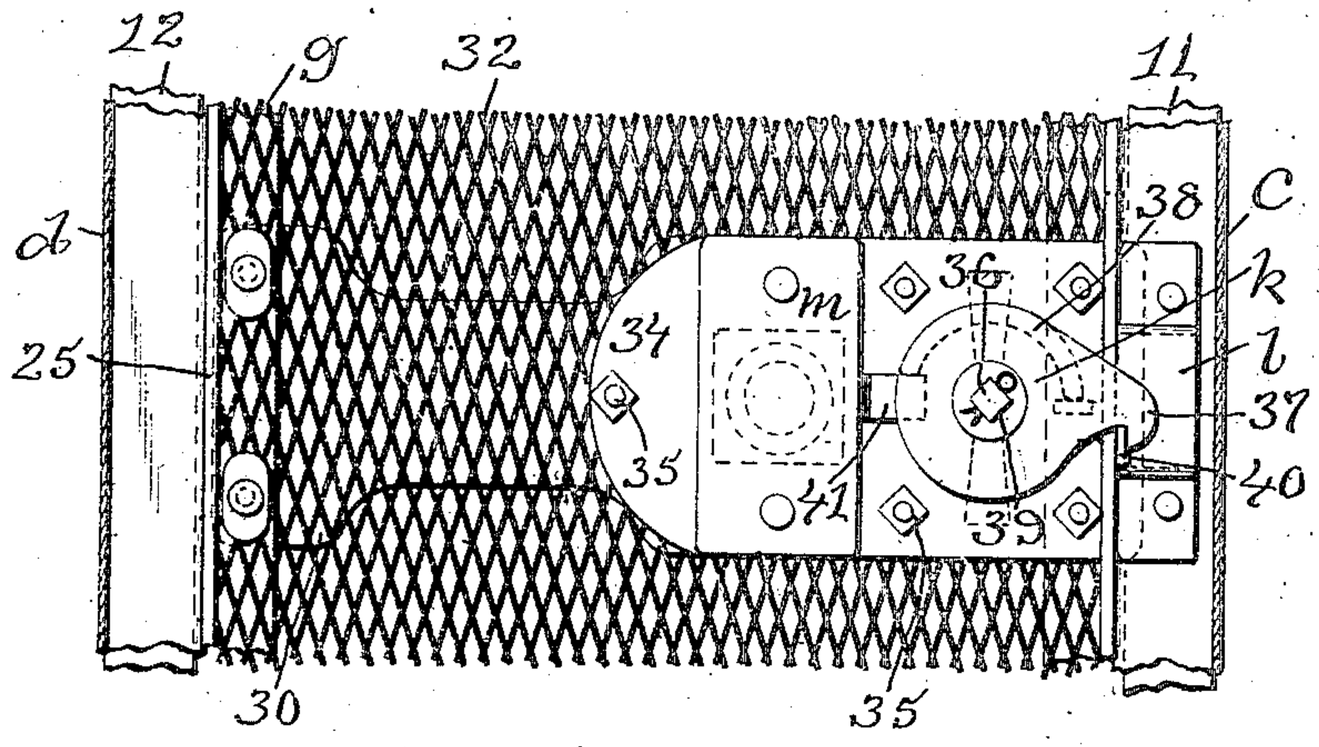


Fig. 4

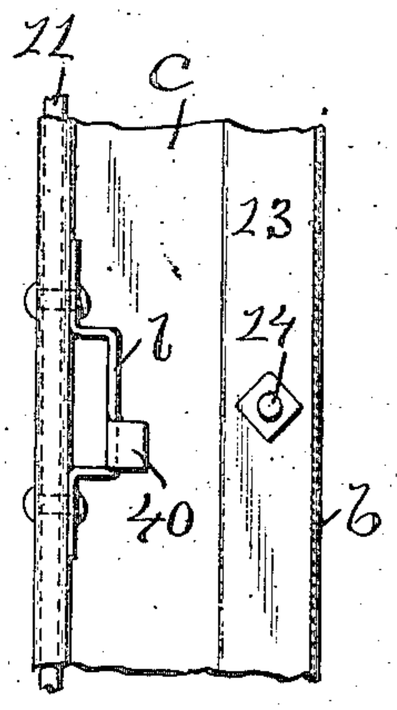


Fig. 5.

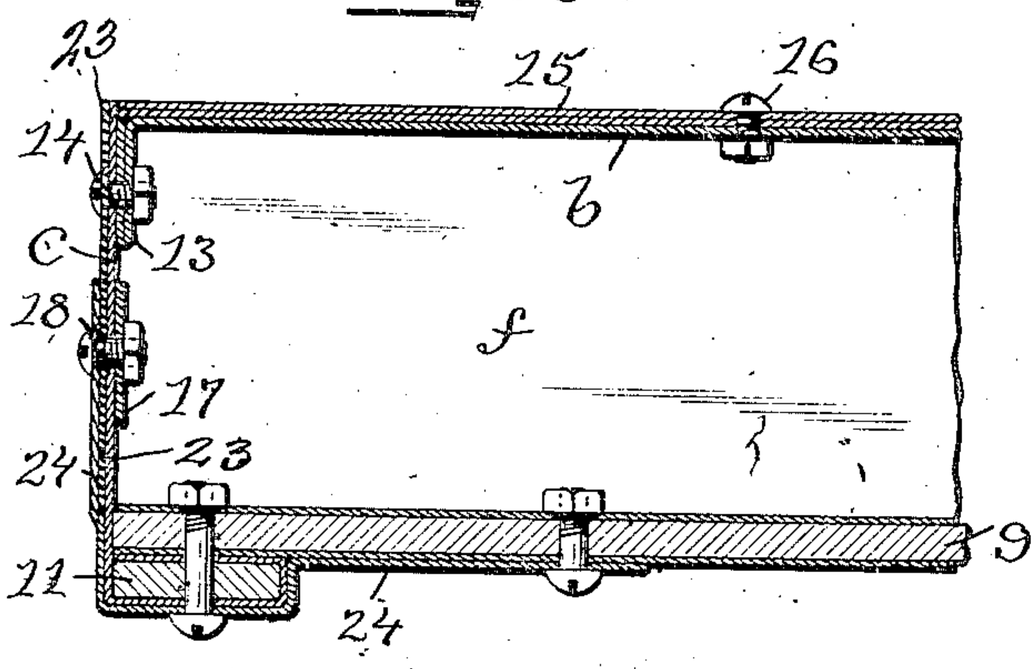


Fig. 7.

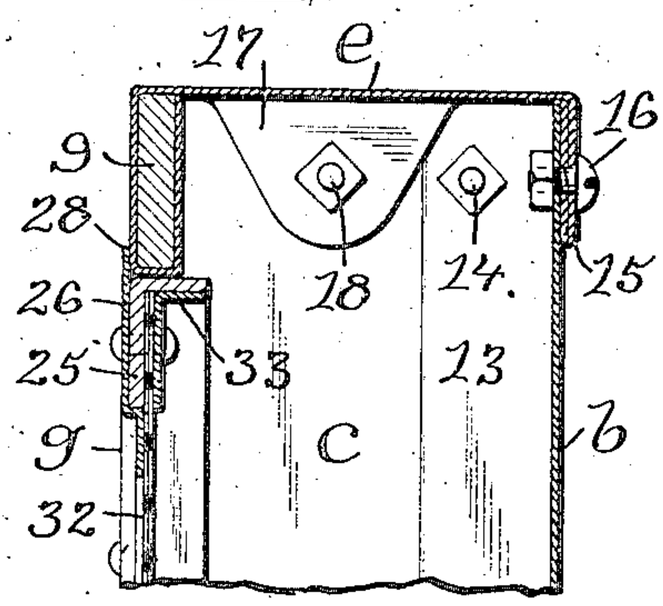


Fig. 6

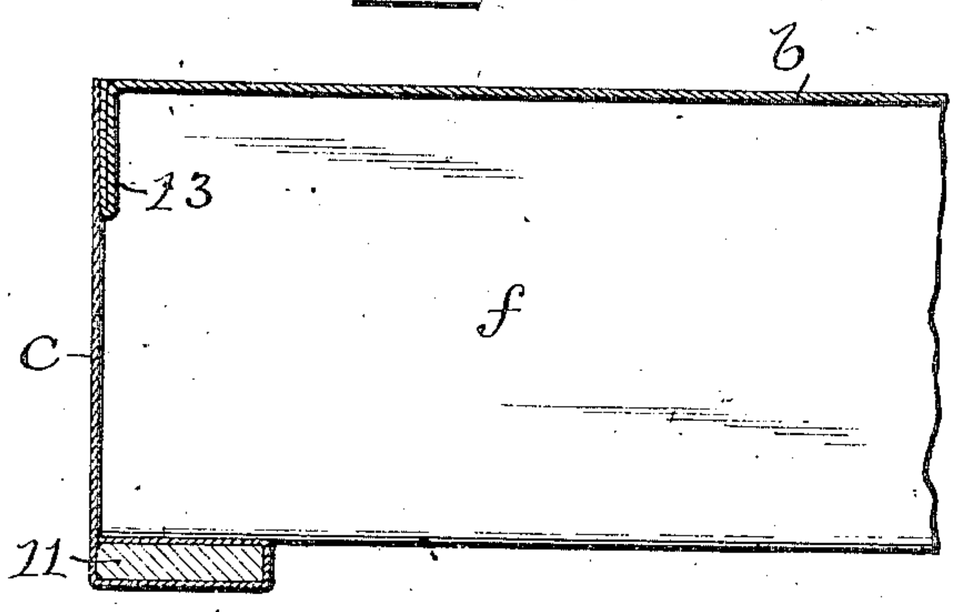
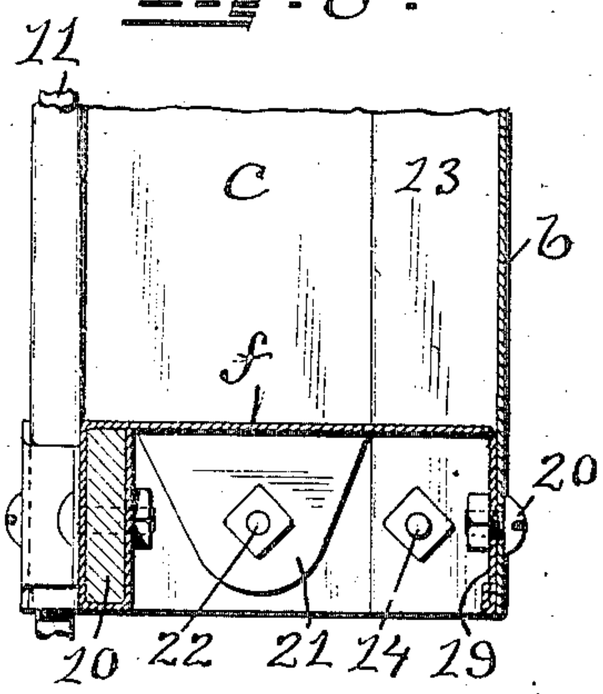


Fig. 8.



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UNITED STATES PATENT OFFICE.

ALBERT J. THORNLEY, OF PAWTUCKET, RHODE ISLAND, ASSIGNOR TO NARRAGANSETT MACHINE COMPANY, OF PAWTUCKET, RHODE ISLAND, A CORPORATION.

LOCKER.

No. 862,595. Specification of Letters Patent. Patented Aug. 6, 1907.

Application filed June 28, 1906. Serial No. 323,856.

To all whom it may concern:

Be it known that I, ALBERT J. THORNLEY, a citizen of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Lockers, of which the following is a specification.

This invention has reference to an improvement in lockers and more particularly to an improvement in that form of lockers used as an adjunct to gymnasiums for wearing apparel.

The object of my invention is to improve the construction of lockers for wearing apparel, whereby a strong and durable locker is constructed of sheet metal strengthened with metal bars forming the frame of the locker.

A further object of my invention is to so construct a sheet metal locker that the metal bars forming the frame of the locker may be extended to form the frame of a plurality of lockers, whereby the top and side of one locker forms the bottom and side of the adjoining lockers.

A still further object of my invention is to reduce the cost of manufacturing lockers for wearing apparel.

My invention consists in the peculiar and novel construction of a sheet metal locker having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1 is a front view of my improved locker with the door closed. Fig. 2 is a side view of the locker. Fig. 3 is a detail vertical sectional view looking at the inside of the central portion of the door, and showing the means of locking the door. Fig. 4 is a detail vertical sectional view looking at the inner face of the side frame, adjacent the lock. Fig. 5 is a detail horizontal sectional view taken on line 5 5 of Fig. 1 through the frame of the locker. Fig. 6 is a detail horizontal sectional view taken on line 6 6 of Fig. 1 through the body of the locker, with the door in the open position. Fig. 7 is a detail vertical sectional view taken on line 7 7 of Fig. 1 through the top of the locker with the door in the closed position, and Fig. 8 is a detail vertical sectional view taken on line 8 8 of Fig. 1 through the bottom of the locker with the door open.

In the drawings, *a* indicates the frame, *b* the back, *c* the lock side, *d* the hinge side, *e* the top, *f* the bottom, *g* the door, *h h* the hinges, *i* the knob, *k* the catch, *l* the striker, *m* the lock, and *n* the clothes hook shown through the screen door of Fig. 1 of my improved locker.

The frame *a* consists of the top and bottom flat horizontal bars 9 and 10, and the flat vertical side bars 11 and 12 at the front of the locker. The back, side, top and bottom of the locker are all constructed of sheet metal.

The back *b* is constructed to have the inwardly-bent side lips 13 13 secured to the inner face of the sides *c* and *d* by bolts 14 14 or rivets. These side lips 13 13 are folded over to strengthen the lips and form a rounded edge, as shown in Figs. 5 and 6, thereby preventing clothing in the locker from catching on the lips.

The front portions of the side *c* and *d* are folded over and around the side bars 11 and 12, thereby strengthening the sides, securing the same to the side bars, and forming smooth rounded corners on the side bars, as shown in Fig. 6.

The top *e* has the downwardly-extending folded back lip 15 secured to the outer face of the back *b* by bolts 16 16 or rivets and the downwardly-extending end tongues 17 17 secured to the inner face of the sides *c* and *d* by bolts 18 18 or rivets. The front portion of the top is folded over and around the top bar 9, strengthening the top, securing the top to the top bar and forming smooth round corners on the top bar, as shown in Fig. 7.

The bottom *f* has the downwardly-extending folded back lip 19 secured to the inner face of the back *b* by the bolts 20 20 or rivets, and the downwardly-extending end tongues 21 21 secured to the inner face of the sides *c* and *d* by the bolts 22 or rivets. The front portion of the bottom is folded over and around the bottom bar 10, strengthening the bottom, securing the bottom to the bottom bar and forming smooth round corners on the bottom bar, as shown in Fig. 8. Angle irons 23 23 are placed over the upper corners and angle straps 24 24 are placed over the front and sides at the corners and the whole rigidly secured together by bolts or rivets, as shown in Figs. 1 and 2.

The door *g* has a rectangular frame 25 constructed of angle iron and strengthened by the top and bottom plates 26 and 27 secured to the frame by rivets and forming the lips 28 and 29 adapted to engage with the top and bottom frame of the locker and limit the closing movement of the door, a central plate 30 secured to the outer face of the frame 25 by rivets and having the lip 31 adapted to engage with the lock side of the frame and a screen 32 of expanded metal or wire secured to the inner face of the frame 25 by the angle irons 33 33 and rivets, as shown in Figs. 1 and 7. A plate 34 is secured to the central plate 30 at the back (with the screen 32 intermediate the central plate 30 and the plate 34) by bolts 35 35 or rivets, as shown in Fig. 3. The hinges *h h* are secured to the frame of the locker and to the frame of the door by rivets, as shown in Fig. 1. The knob *i* has the usual stem with the square end 36 which extends through a sleeve on the plate 34. The catch *k* is in the form of a disk having the hook-shaped arm 37, the semi-circular rib 38 on the back and a square central hole 39 for securing the catch to the square end 36 of the knob stem by a split pin, as shown in Fig. 3. The striker *l* is bent up from heavy sheet metal and shaped to have the L-shaped projection 40 and secured to the inner face of the bar 11 of the locker

frame by rivets in a position for the hook-shaped arm 37 of the catch to hook over the L-shaped projection 40 when in the locked position.

The lock *m* may be of any construction having a bolt 41 and a face in which is a key hole and adapted to extend through an aperture in the central plate 30, the bolt 41 being adapted to engage with the adjacent end of the semi-circular rib 38 on the catch *k* and hold the catch in the locked position, the ends of the rib 38 being adapted to engage with a stop on the plate 34, as shown in broken lines in Fig. 3 to limit the opening and closing movement of the catch.

The clothes hook *n* may be of any usual construction and secured to the back *b* in a convenient position by rivets or other means.

By this construction I produce a strong and durable ventilated locker (of sheet metal) having smooth rounded corners and edges, whereby wearing apparel may be placed in or removed from the locker without injury to the same, also a locker the parts of which may be constructed in large quantities and quickly assembled at a nominal cost.

It is evident that the locker may be constructed to have any proportion desired without materially affecting the spirit of my invention.

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

1. In a locker, a rectangular frame composed of top, bottom and side flat metal bars, a sheet metal body composed of sides, a back having inwardly-bent folded-over side lips secured to said sides of the body, a top having downwardly extending end tongues secured to said sides of the body, a bottom having a downwardly-extending folded-over back lip secured to said back and downwardly extending end tongues secured to said sides of the body, means for securing said parts together in their stated relations, and means for securing the body to the frame consisting of rolling the front portions of the top, bottom and sides over and around the top, bottom and side bars of the frame.

2. A locker comprising a rectangular front frame formed of rigid top bottom and side bars, a sheet metal box structure having a top, sides and a bottom, said top and bottom at their front portions being bent downwardly then inwardly and then upwardly to embrace said top and bottom bars respectively, and at their rear portions being turned over to form top and bottom reinforced lips, and a back plate rigidly attached to said reinforced lips.

3. A locker comprising a rectangular front frame formed of top, bottom and side bars, a sheet metal box structure having a top, sides and bottom, said top and bottom being bent downward and then upward at their rear edges to form turned over reinforced lips, tongues on the ends of said top and bottom secured to said sides of the box structure, and a back having inwardly bent side lips secured to said sides of the box structure and having its ends secured to said reinforced lips of the top and bottom.

4. In a locker, a rectangular frame composed of top, bottom and side flat metal bars, a sheet metal body composed of a back having inwardly-bent folded-over side lips, sides secured to said side lips of the back, a top having a downwardly extending folded-over back lip secured to said back and downwardly extending end tongues secured to said sides of the body, a bottom having a downwardly extending folded-over back lip secured to said back of the body and downwardly extending end tongues secured to said sides of the body, means for securing the body to the frame consisting of rolling the front portions of the top bottom and sides over and around the top, bottom and side bars of the frame, angle irons secured to the top and sides, straps extending over the front and sides at the corners, and means for rigidly securing the frame, body and straps together in their stated relations.

5. A locker comprising a rectangular front frame formed of rigid bars, a sheet metal box structure having a top, sides, and bottom attached at their front edges to said frame, means for attaching said bottom and top to the sides, said top and bottom being bent downward and then upward at their rear edges to form turned over reinforced lips, and a back plate extending inside said top lip and outside said bottom lip and attached thereto.

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

ALBERT J. THORNLEY.

Witnesses:
ADA E. HAGERTY,
J. A. MILLER.