

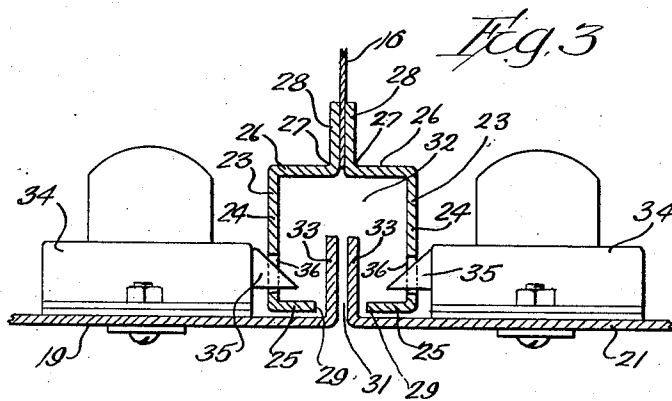
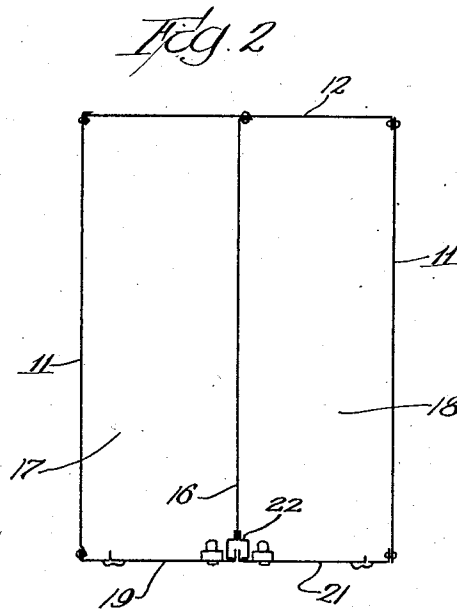
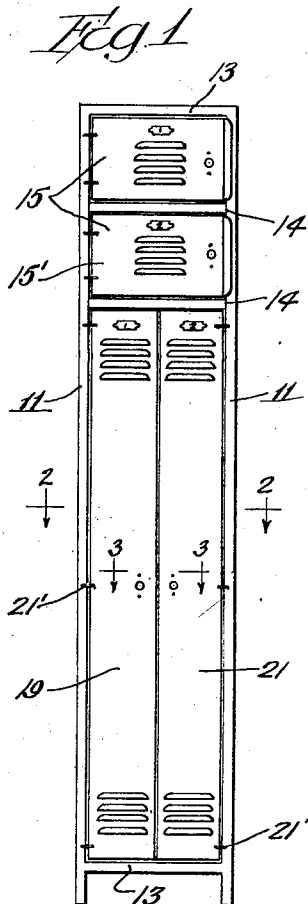
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W. N. VANCE

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LOCKER CONSTRUCTION

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Inventor:
Walter N. Vance

By *Cleaver, Cox & Moore*
Attys

UNITED STATES PATENT OFFICE

WALTER N. VANCE, OF NORTH AURORA, ILLINOIS, ASSIGNOR TO LYON METAL PRODUCTS, INCORPORATED, OF AURORA, ILLINOIS, A CORPORATION OF ILLINOIS

LOCKER CONSTRUCTION

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This invention relates in general to lockers and has more particular reference to multi-person lockers of sheet metal or the like in which the locker doors have their free or swinging edges adjacent each other and employ a common member or upright for a door stop.

A principal object of the invention is the provision of a multi-person locker of new and improved construction, wherein the doors may be locked or latched to a common member and this without danger of being forced apart by unauthorized persons attempting to open either locker.

Another important object of the invention is the provision of a multi-person locker wherein the doors engage a common upright, which serves as a stop to receive the impact of the doors and at the same time prevents the locks from being pried open.

Another important object of the invention is the provision of a multi-person locker of new and improved construction whereby a closed locker door protects its own lock against tampering through an open door of the adjacent companion lock.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawings, discloses a preferred embodiment thereof.

Referring to the drawings:

Figure 1 is a front elevation of a multi-person locker embodying my present invention:

Fig. 2 is a plan section, taken on the line 2—2 of Fig. 1; and

Fig. 3 is an enlarged plan section, taken on the line 3—3 of Fig. 1 and illustrating the lock and keeper in closed position.

For the purpose of illustrating my invention, I have shown on the drawings a locker body having side walls 11, back wall 12, top and bottom walls 13 of any usual or preferred construction. These parts constitute what

may be termed the outer shell or body. Horizontal partitions 14 are arranged at appropriate heights to form horizontal compartments 15, each provided with a door 15'.

The space between the lower horizontal partition 14 and the bottom wall 13 is divided in half by a vertical front to back partition 16 providing two vertical compartments 17 and 18. Doors 19 and 21 are provided respectively for the vertical compartments 17 and 18. The doors 19 and 21 are hinged respectively to the side walls 11 of the outer shell, as shown at 21', and are arranged with their free or swinging edges in adjacent relationship. The vertical partition wall 16 is secured at its rear edge in any usual or preferred manner and is secured at its front edge to a tubular upright member 22. The tubular upright member 22 is made of a pair of companion flanged upright members 23, respectively provided with side walls 24 which extend parallel with a partition 16, and flanges 25 and 26. The flanges 26 are bent substantially perpendicularly at 27, to provide portions 28 which lie parallel to the partition 16 and extend rearwardly to engage the opposite surfaces of the front edge of the partition and provide supports to which the front edge of said partition is secured either by spotwelding or in any desired manner.

The flanges 25 terminate short of each other, as at 29, to provide a slot or opening 31 into a chamber 32 formed by this upright construction. The free edges of doors 19 and 21 are provided with inturned flanges 33 adapted to project through the slot 31 a substantial distance into the chamber when the doors are in closed position, and are disposed substantially parallel with the side walls 24 of the upright member.

Secured in any suitable manner to the inner faces of the doors are locks 34 having bolts or latches 35 adapted to engage appropriate keeper slots 36 provided in the side walls 24 of the upright 22. The locks are located ad-

5 jacent the side walls 24 so as to form a space
 between said side walls and the front ends
 of the locks 34, and in such a position that
 when the bolts or latches 35 are in operative
 position the ends of said bolts will extend
 into the keeper chamber 32. When both doors
 are locked, the door flanges 33 project through
 the slot 31 into the chamber provided by the
 upright construction and beyond the path of
 10 movement of the bolts 35. With this arrange-
 ment, it will be seen that each door flange
 covers its bolt or latch, thereby rendering it
 practically impossible to tamper with the
 bolt when the adjacent companion door is
 15 open. Furthermore, it is practically impos-
 sible to pry the doors apart to spring the
 bolts from the keepers since lateral separa-
 tion is prevented by the flanges 25 of the up-
 right.

20 It is thought that the invention and many
 of its attendant advantages will be under-
 stood from the foregoing description, and it
 will be apparent that many changes may be
 made in the form, construction and arrange-
 25 ment of the parts without departing from the
 spirit and scope of the invention or sacrific-
 ing all of its material advantages, the form
 hereinbefore described being merely a pre-
 ferred embodiment thereof.

30 I claim:

1. An upright for the door frame of a lock-
 er, comprising two channel members, each
 having a laterally extending flange beyond
 the channel form, said channel members to-
 35 gether forming a tubular upright having a
 single longitudinal opening, means securing
 the flanges aforesaid together, and a door hav-
 ing a flange which enters the opening in said
 upright.

40 2. A locker construction, comprising a ver-
 tical front to rear wall plate, two channel
 members having lateral flanges extending
 beyond their channel shapes, said flanges be-
 ing secured to an edge of said wall plate to
 45 arrange the channels to form a tube consti-
 tuting a part of a frame of a door, the front
 edges of said channel members being spaced
 to receive a door flange.

50 3. A multi-person locker comprising a
 front frame for receiving the doors, said
 frame including an upright arranged to form
 the stop for two doors and having a slot in
 front and slots in its sides, and doors hinged
 to close against said upright and having locks
 55 arranged to enter the slots in the sides of said
 upright and flanges arranged to enter the
 slot in the front of said upright.

4. A multi-person locker, comprising a
 front frame for receiving the doors, said
 60 frame including an upright arranged to form
 the stop for two doors and having a slot in
 its front and slots in its sides, and doors
 hinged to close against said upright and hav-
 ing locks arranged to enter the slots in the
 65 sides of said upright and flanges arranged

to enter the slot in the front of said upright,
 the flange of each door extending beyond the
 lock of said door.

5. A locker having a hollow upright which
 is provided with a single vertical slot and a
 pair of doors having flanges which engage
 the slot, said upright acting as a stop for said
 doors.

In witness whereof, I have hereunto sub-
 scribed my name.

WALTER N. VANCE.