No. 777,256. PATENTED DEC. 13, 1904.

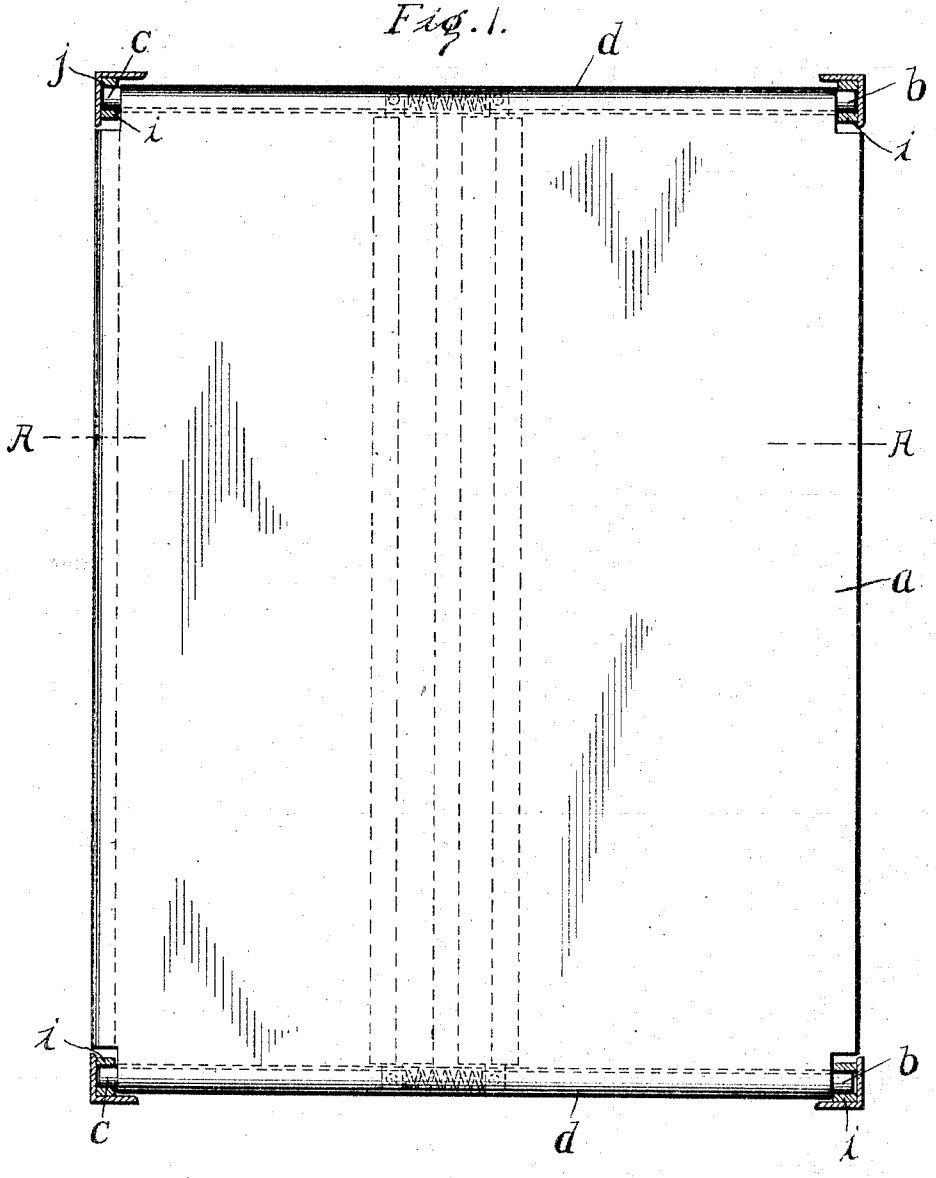
G. HOLDEN.

ADJUSTABLE SHELF FOR LOCKERS, &c.

APPLICATION FILED MAY 7, 1904.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.



WITNESSES:

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ADJUSTABLE SHELF FOR LOCKERS, &c.

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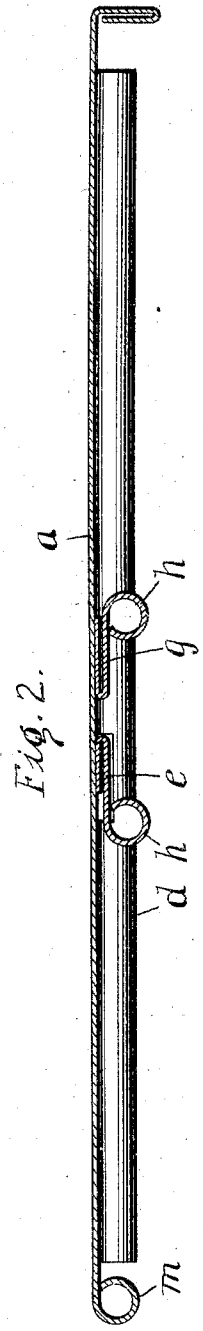


Fig. 2.

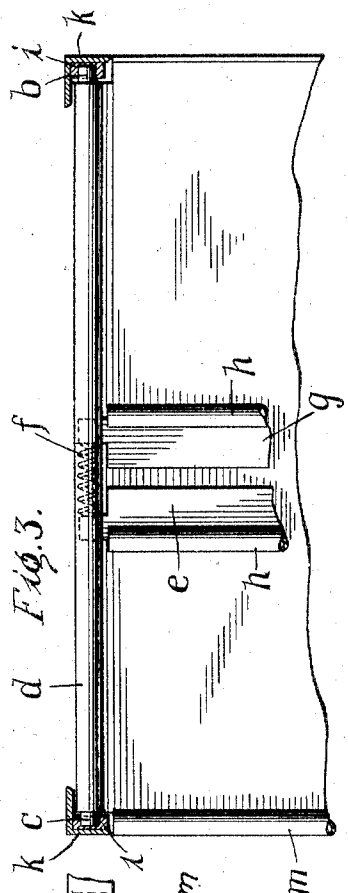


Fig. 3.

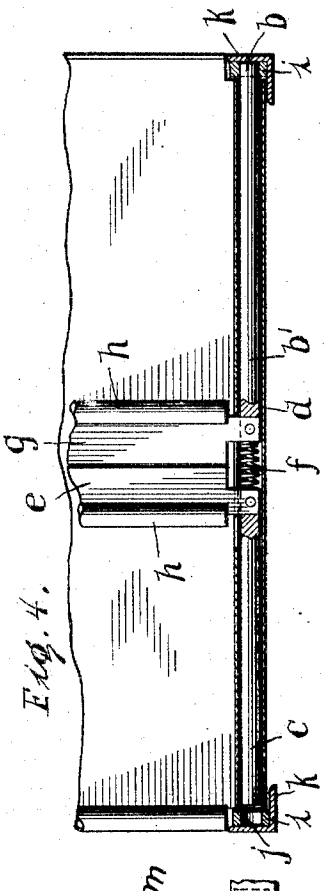


Fig. 4.

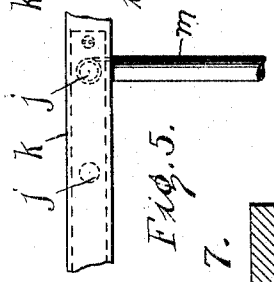


Fig. 5.

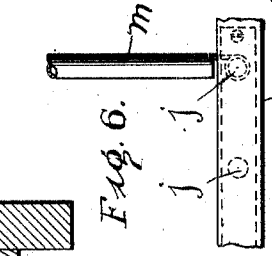


Fig. 6.

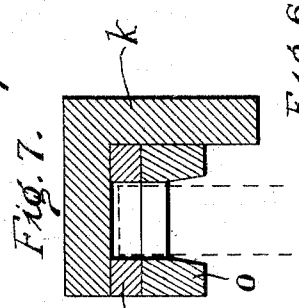


Fig. 7.

WITNESSES:

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No. 777,256. Patented December 13, 1904.

UNITED STATES PATENT OFFICE.

GEORGE HOLDEN, OF MERCHANTVILLE, NEW JERSEY, ASSIGNOR TO MERRITT AND COMPANY, A CORPORATION OF PENNSYLVANIA.

ADJUSTABLE SHELF FOR LOCKERS, &c.

SPECIFICATION forming part of Letters Patent No. 777,256, dated December 13, 1904.

Application filed May 7, 1904. Serial No. 206,888. (No model.)

To all whom it may concern:

Be it known that I, GEORGE HOLDEN, of Merchantville, Camden county, State of New Jersey, have invented an Improvement in Adjustable Shelves for Lockers and the Like, of which the following is a specification.

It is the object of this invention to provide a shelf for lockers and the like which may be easily and quickly applied, removed, or adjusted from one elevation to another.

It is also an object of my invention to provide a metal shelf especially adapted for metal lockers which shall combine lightness with the requisite strength and durability.

In the drawings, Figure 1 is a plan view of an adjustable shelf, showing the same applied to a metal locker with the vertical irons of the locker in horizontal section. Fig. 2 is a transverse section of the same on the line A A of Fig. 1 enlarged. Fig. 3 is an inverted plan view of one side of the shelf, showing the same locked. Fig. 4 is a similar view of the other side, showing the shelf unlocked. Figs. 5 and 6 are end elevations of Figs. 3 and 4, respectively; and Fig. 7 is a cross-section of the locker-frame, illustrating a modification.

The shelf consists of a flat body *a*, preferably formed of sheet metal, carrying at its ends on one side fixed pins or lugs *b* and on the other side movable pins or bolts *c*.

In the preferred construction the body *a* is composed of sheet metal, having its ends curled over to form tubular portions *d*, in the ends of which on one side are secured the fixed pins or lugs *b* and in the other ends of which are guided the movable bolts *c*. The bolts *c* are connected at their inner ends with a movable cross-piece *e* on the under side of the shelf, having its extremities projecting through slots in the tubular guides *d*. Springs *f*, acting on the bolts *c*, normally project them. As shown, the springs are interposed between the ends of the bolts *c* and the inner ends of fixed rods *b'*, the outer ends of which form the fixed pins or lugs *b*. This construction is not, however, necessary, as the springs may be supported by blocks or pins inserted in the tube.

g is a fixed transverse cross-piece secured to the shelf in any suitable manner. It may be soldered to the under side of the shelf and may have its extremities secured to the fixed rods *b'*. It is arranged adjacent to and parallel with the movable cross-piece *e*.

The cross-pieces *e* and *g* are preferably formed of sheet metal, having the outer edges curled, as shown at *h*, to form gripping members for the hand. It is apparent that when the two cross-pieces *e* and *g* are gripped the pressure will draw the movable piece *e* toward the fixed piece *g*, and this will retract the bolts *c*.

The locker or article to which the shelf is to be applied is provided with four vertical bars *i*, each formed with a series of corresponding holes or sockets *j*. In applying the shelf the two fixed pins *b* are inserted in a pair of corresponding holes or sockets at the back. The cross-pieces *e* and *g* are gripped by the hand to retract the bolts *c*, while the front edge of the shelf is moved until the bolts *c* are in line with the holes or sockets at the front at the same elevation as those at the back. The cross-piece *e* is then released, and the bolts are projected by the springs into engagement with the sockets.

The shelf may be easily and quickly removed or adjusted from one elevation to another by connecting it with a different set of holes or sockets. In the particular construction shown, where the shelf is applied to a metal locker of which the vertical irons *k* are angle-irons, the bolt and pin sockets are formed in a bar *i*, secured to one of the flanges of the angle-iron. In the preferred construction a vertical channel-iron *o* is placed over the bar *i*, with holes registering with the sockets in the bar *i*. The sides of the channel act as guides to retain the pins and bolts when they are retracted from the sockets.

It will be observed that the shelf in the preferred form is made entirely of sheet metal with the exception of the bolt and pins and is consequently very strong and light. The front edge of the shelf may be curled or bent over, as at *m*, for finish.

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

1. An adjustable shelf consisting of a flat body provided at one end with fixed lugs or pins adapted to engage sockets, and at the

other end with movable bolts likewise adapted to engage sockets, and a cross-piece extending transversely on the under side of said body and connected with said movable bolts for the purpose of moving them together.

2. An adjustable shelf consisting of a flat body provided at one end with fixed lugs or pins adapted to engage sockets, and at the other end with movable bolts likewise adapted to engage sockets, a cross-piece extending transversely on the under side of said body and connected with said movable bolts for the purpose of moving them together, and springs acting on said bolts to normally project them.

3. An adjustable shelf for lockers and the like, consisting of a sheet-metal body having pins or projections at its corners adapted to engage sockets, the two pins or projections on one side being movable, and a cross-piece connecting said movable pins to operate them together.

4. An adjustable shelf for lockers and the like, consisting of a sheet-metal body *a* having its sides curled at *d* to form bolt-sockets, movable bolts *c* located in said sockets at one end of the shelf, a movable cross-piece *e* on the under side of said body *a* connected with said movable bolts at its ends, and lugs or projections *b* carried by the other end of said shelf.

5. An adjustable shelf for lockers and the like, consisting of a sheet-metal body *a* having its sides curled at *d* to form bolt-sockets, movable bolts *c* located in said sockets at one end of the shelf, a movable cross-piece *e* on the under side of said body *a* connected with said movable bolts at its ends and formed of sheet metal having a curved edge *h*, and lugs or projections *b* carried by the other end of said shelf.

6. An adjustable shelf for lockers and the like, consisting of a sheet-metal body *a* having its sides curled at *d* to form bolt-sockets, movable bolts *c* located in said sockets at one end of the shelf, a movable cross-piece *e* on the under side of said body *a* connected with said movable bolts at its ends, a fixed cross-piece *g* extending transversely on the under side of said body *a* parallel to the movable cross-piece *e*, and lugs or projections *b* carried by the other end of said shelf.

7. An adjustable shelf for lockers and the like, consisting of a sheet-metal body *a* having its sides curled at *d* to form bolt-sockets, movable bolts *c* located in said sockets at one end of the shelf, a movable cross-piece *e* on the under side of said body *a* connected with said movable bolts at its ends, a fixed cross-piece *g* extending transversely on the under side of said body *a* parallel to the movable cross-piece *e*, said cross-pieces *e* and *g* being formed of sheet metal having curved edges *h*, and lugs or projections *b* carried by the other end of said shelf.

8. A shelf for lockers and the like, consisting of a body *a* of sheet metal having its side edges curled to form sockets *d*, fixed lugs or projections *b b* carried by said sockets at one end, spring-projected bolts *c c* carried by said sockets at the other end, a movable cross-piece *e* on the under side of the body *a* having its ends connected with said bolts through slots in the sockets *d*, and a fixed cross-piece *g* also on the under side of the body *a* parallel with the movable cross-piece *e*.

In testimony of which invention I hereunto set my hand.

GEORGE HOLDEN.

Witnesses:
ERNEST HOWARD HUNTER,
R. M. KELLY.