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W. W. SPURRIER

1,500,345

SLIDING LOCK

Filed June 30, 1922

Fig. 1.

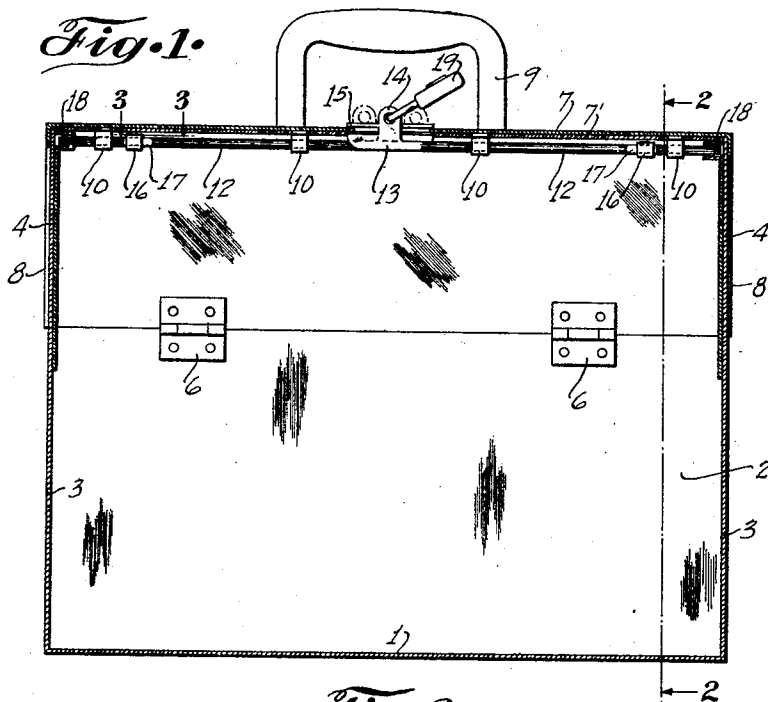


Fig. 2.

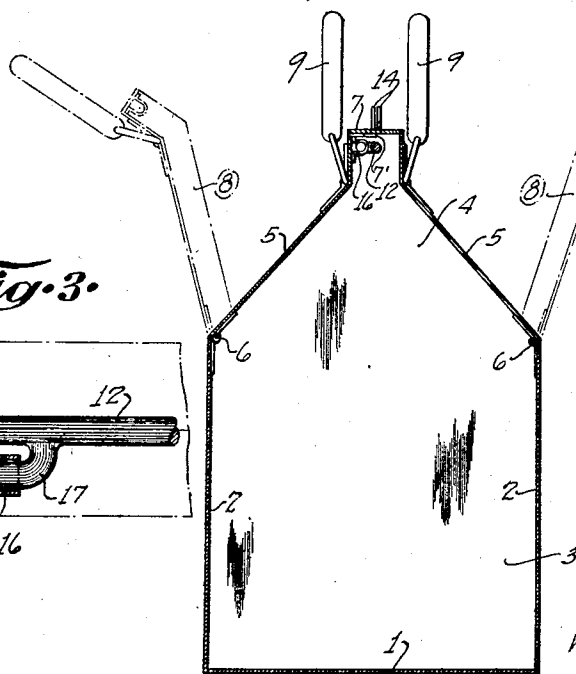


Fig. 3.

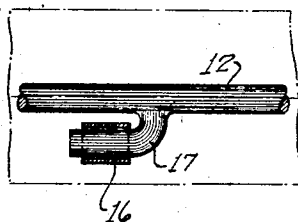
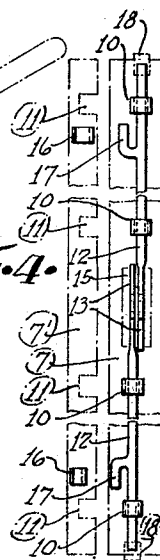


Fig. 4.



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WILLIAM W. SPURRIER, OF ST. LOUIS, MISSOURI, ASSIGNOR OF THIRTY-EIGHT PER CENT TO BEN F. SCHUETZ, OF JEFFERSON CITY, MISSOURI.

SLIDING LOCK.

Application filed June 30, 1922. Serial No. 571,986.

To all whom it may concern:

Be it known that I, WILLIAM W. SPURRIER, a citizen of the United States, residing in St. Louis County, State of Missouri, have invented a certain new and useful Improvement in Sliding Locks, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof.

This invention relates generally to locks and, more particularly, to a certain new and useful improvement in sliding locks especially adapted for containers, such as satchels, valises, grips, and the like.

The principal object of my present invention is to provide a lock for the purpose stated which is relatively simple and inexpensive in form and construction, which may be readily installed upon the container, which may be conveniently actuated into and out of container-locking engagement, and which is exceedingly efficient in the performance of its intended functions.

With the above and other objects in view, my present invention resides in the novel features of form, construction, arrangement, and combination of parts hereinafter described and afterwards pointed out in the claims.

In the accompanying drawing,

Figure 1 is a longitudinal vertical sectional view of a container in the form of a grip equipped with a lock embodying my invention;

Figure 2 is a transverse vertical sectional view of the grip and lock, taken approximately on the line 2—2, Figure 1;

Figure 3 is an enlarged detail sectional view, taken approximately on the line 3—3, Figure 1; and

Figure 4 is a plan view of the lock, a portion or fragment of the grip being shown in dotted lines.

Referring now more in detail and by reference characters to the said drawing, which illustrates a preferred embodiment of my invention, I have shown my new lock in connection with a container in the form of a grip or satchel having a body comprising a bottom wall 1, side walls 2—2, and end walls 3—3, the latter being upwardly elongated or extended, as at 4—4, to project above the plane of the upper edges of the side-walls 2—2. The end-extensions 4—4 are for the most part oppositely beveled or cut away at

their side edges for co-operation with oppositely swingable or movable top-wall sections 5—5 hinged at a side edge, as at 6, to the upper edges of the side walls 2—2, the cover or top sections 5—5 being formed or provided at their other or free side edge with forwardly presented flanges 7—7' adapted to partly overlap when such sections are in closed position and at their end edges with laterally presented flanges 8—8 adapted to overlap the beveled edges of the end extensions 4—4 also when the cover or top sections are in closed position. Suitably attached to the top-sections 5—5, are grip carrying handles 9—9.

Fixed to and depending in alignment from the under face of upper flange 7, flange 7' overlapping upon flange 7' when the cover-sections 5—5 are in closed position, as seen in Figure 1, is a series of spaced eyes 10—10, the other or lower flange 7' being recessed or cut-away, as at 11—11, to freely accommodate the eyes 10—10 when the top-sections 5—5 are in closed position. Supported by the eyes 10 for slidable movement longitudinally of the grip, are oppositely disposed preferably cylindrical or round lock-bars 12—12 flattened or otherwise formed at their opposite inner ends, as at 13—13, for side-wise overlapping movement and registration. Integral with or otherwise rigidly fixed to the bars 12 at their flattened inner ends 13, are upwardly presented extensions in the form preferably of eyes 14—14, which project for manual engagement and movement exteriorly of the grip through a longitudinally disposed slot 15 provided for the purpose in the flange 7 of said cover-sections 5.

Fixed to and depending in alignment from the under face of the flange 7' of the other cover or top-section 5, are spaced lock-eyes 16—16; and formed integrally with or otherwise rigidly fixed to the lock-bars 12 in co-operative location relatively to the eyes 16, are oppositely disposed outwardly presented off-set so-called hooks 17—17 adapted to fit in and thereby lockingly engage with the eyes 16—16 when the cover-sections 5—5 are in closed position.

And rigidly fixed on the end-wall extensions 4—4 of the container in co-operative alignment with the lock-bars 12—12, are so-called lock eyes in the form of oppositely disposed inwardly presented cup-shaped members or sockets 18—18 adapted to receive

the opposite outer ends of, and thereby engage with, the lock bars 12—12 when the bars are shifted to grip-locking position, the eyes 14—14 of the bars 12 being spaced and separated, as indicated by dotted lines in Figure 1, when the bars are in grip unlocking position.

In use or operation and to lock the grip, the cover-sections 5—5 are first swung to closed position, and the bars 12—12 then by means of the eyes 14 manually oppositely lengthwise moved or shifted outwardly towards the end-walls of the grip. In such movement of the bars 12—12, the opposite outer ends thereof are projected into the end lock-eyes or sockets 18—18 and the hooks 17 are projected into engagement with the eyes 16—16, the eyes 14—14 at the same time being brought into registration. A hasp or the like 19 is then engaged with the registering eyes 14, and the bars 12—12 thereby locked against movement and the cover-sections 5—5 positively locked in closed position.

To open the grip, the hasp 19 is first unlocked and disengaged from the eyes 14 to permit movement of the lock-bars 12. The bars 12 are then by means of the eyes 14 manually oppositely moved or shifted inwardly relatively to the grip, and the bars 12 and their hooks 17 thereby disengaged from the lock-eyes 18 and 16, respectively, when the cover-sections 5 may be freely swung to open position.

I am aware that minor changes in the form, construction, arrangement, and combination of the several parts of my new lock may be made and substituted for those herein shown and described without departing from the nature and principle of my invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. The combination with a container comprising a body and having end walls and a pair of oppositely swingable top sections, of means for releasably locking said sections together and to said end walls, said means including locking eyes fixed upon said end walls and upon one of the sections, and a pair of oppositely movable lock bars mounted for slidable movement upon the other of said sections and adapted for engagement with said eyes.

2. The combination with a container comprising a body having end walls and a pair of oppositely swingable top sections, of means for releasably locking said sections together and to said end walls, said means

including a pair of oppositely movable lock bars mounted for slidable movement upon the one of said sections, offset-hooks on said bars, and locking eyes fixed upon said end walls and upon the other of said sections for respectively receiving the opposite ends of said bars and said hooks.

3. The combination with a container comprising a body having end walls and a pair of oppositely swingable top sections, one of said sections being longitudinally slotted, of means for releasably locking said sections together and to said end walls, said means including a pair of oppositely disposed lock bars mounted for slidable movement upon the one of said sections, offset hooks on said bars, locking eyes fixed upon the other of said sections and upon said end walls for respectively receiving said hooks and the opposite ends of said bars, and extensions on said bars projecting exteriorly of the container through said slot for manually shifting said bars into and out of locking position.

4. The combination with a container comprising a body and a pair of oppositely swingable top sections, one of said sections being longitudinally slotted, of means for releasably locking said sections together, said means including a pair of oppositely disposed lock-bars mounted for slidable movement upon the one of said sections, offset hooks on said bars, locking-eyes fixed upon the other of said sections for receiving said hooks, and eyes on said bars projecting exteriorly of the container through said slot for receiving a locking-member to prevent shifting of said bars.

5. The combination with a container comprising a body having end walls and a pair of oppositely swingable top sections, one of said sections being longitudinally slotted, of means for releasably locking said sections together and to said end walls, said means including a pair of oppositely movable lock-bars mounted for slidable movement upon said slotted section, offset-hooks on said bars, locking-eyes fixed upon said end walls and upon the other of said sections for respectively receiving opposite ends of said bars and said hooks, eyes on said bars projecting through said slot and adapted for registration when said bars and hooks are in engagement with said lock-eyes, and a hasp adapted for locking engagement with the eyes on said bars when the same are in registration.

In testimony whereof, I have signed my name to this specification.

WILLIAM W. SPURRIER.