

(No Model.)

N. DRUCKER.
TRUNK.

No. 529,482.

Patented Nov. 20, 1894.

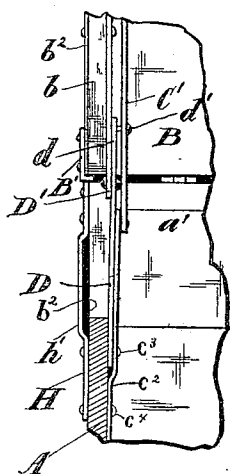


FIG. 2.

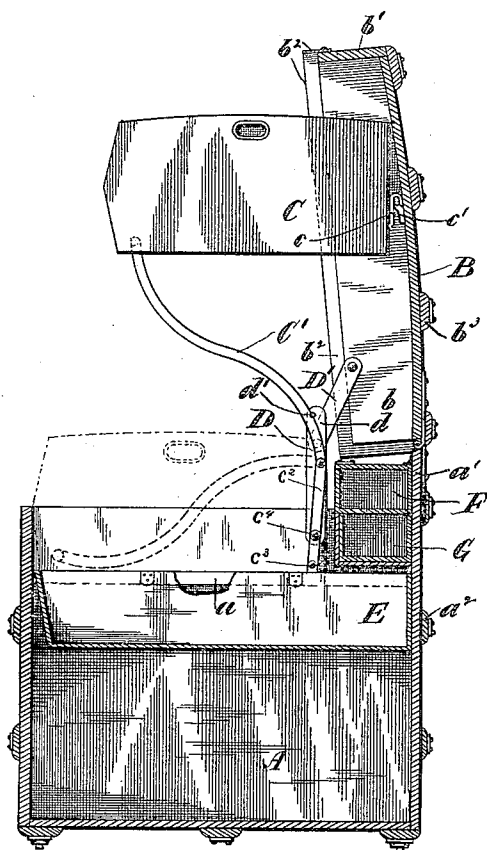


FIG. 1.

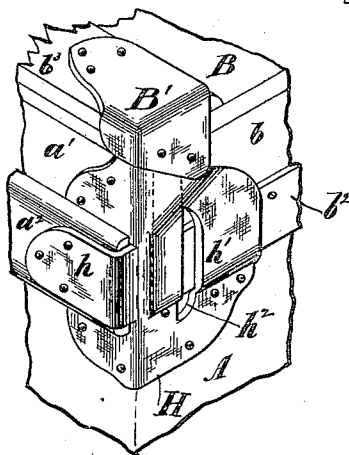


FIG. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

NATHAN DRUCKER, OF CINCINNATI, OHIO.

TRUNK.

SPECIFICATION forming part of Letters Patent No. 529,482, dated November 20, 1894.

Application filed February 24, 1894. Serial No. 501,330. (No model.)

To all whom it may concern:

Be it known that I, NATHAN DRUCKER, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Trunks, of which the following is a specification.

My invention relates to trunks, and particularly to that class known as "wall trunks," which name in the trade is applied to such trunks as have the top so arranged that it may be fully opened without pulling the trunk from the wall. Its objects are to provide means to support a swinging tray at such a height above the trunk body as to render the contents of the trunk easily accessible, one side of said tray being supported by the open top, and the opposite or forward end supported by pivoted links which, when the tray is thrown to the elevated position, automatically lock the top in the open position; and to so arrange the top and body at the hinged edge that no portion of the back of the trunk body is occupied by the rear edge of the top when open.

The invention consists in the novel arrangement and combination of parts illustrated in the accompanying drawings, hereinafter described, in connection herewith, and particularly pointed out in the claims.

Referring to the drawings, in which like parts are represented by similar reference letters wherever they occur throughout the various views: Figure 1 is a vertical transverse sectional view of the open trunk, with the swinging tray thrown up and shown in end elevation. Fig. 2 is a detailed view upon an enlarged scale, in section, taken vertically through the end of the open trunk. Fig. 3 is an enlarged detailed view in perspective of one of the rear corners of a closed trunk.

Referring to the parts: the trunk body, A, may be of ordinary construction, except that the rear wall projects up above the main body to meet the cover of the top, B, the rear upward projection of the back being equal in width to the ends, *b*, and front, *b'*, of the top or cover. The trunk body, at its ends, is provided with cleats, *a*, to support the customary removable tray, E. These trays have usually

angle iron lugs secured to their ends and projecting parallel with the top edge, so as to rest upon the cleats and support the tray. The top, B, which is slightly curved in cross section, has the customary downwardly projecting ends, *b*, and forward end, *b'*, to rest upon the horizontal top edges of the ends and front of the body, A, and the lower edges of the downwardly projecting portions are provided with a metal valance, *b²*. The top, B, is hinged to the upwardly projecting portion, *a'*, of the body by strap hinges of ordinary construction, so that when the top is closed, as seen in Fig. 3, the joint between the top and upwardly projecting portion of the body is closed so that no moisture falling upon the top of the trunk could affect its contents. The pintles of the hinge are so arranged that when the top is open, as shown in Fig. 1, it does not project back of the body.

The tray, C, is adapted to swing to its upper position, as shown in full line Fig. 1, and to its lower position, as shown in dotted line in the same figure, and is coupled to the upper ends of upright metal bars, *c²*, which are secured to the ends of the trunk by curved metal supports, *C'*, the upper ends of which supports are pivoted to the forward ends of the tray, C. The top is supported in its elevated position by a toggle brace, the lower member, D, of which is jointed to the upper member, D', at some distance below its end, so as to leave an outward extension, *d*, projecting beyond the joint. In this projecting end, *d*, is secured a stud pin, *d'*, which projects in the path of the tray supports, *C'*. The purpose of this arrangement is to lock the top in the open position. The bar, *c²*, is secured in place by two pins, one, *c³*, near its lower end, and another one, *c⁴*, which passes through it and through the lower end of the toggle brace member into the trunk body, the same pin or rivet, *c⁴*, serving as the pivot pin for the lower member of the toggle brace and also as the upper securing pin for the upright bar, *c²*. The upright bar, *c²*, curves outwardly from the trunk end between the two pins to admit of the lower member of the toggle brace playing between it and the trunk end.

It will be noticed that the tray, C, has a

metal hook, *c*, secured to its rear wall, which takes into metal buckles or fastenings, *c'*, which are secured to the inside of the top, *B*. When the tray is thrown up to the position shown in Fig. 1, and the hooks, *c*, engage with the buckles or clips, *c'*, to lock the tray to the top, the rearwardly curved portion of the support, *C'*, strikes against the pin, *d'*, which projects inward from the extended end of the toggle brace member, *D*, and locks the top against closing until the tray is thrown down to the lower position shown in dotted line, Fig. 1. By these means the tray, *C*, may be thrown up to considerably above the top of the trunk body when open, allowing free access to the interior of the trunk and ample room to lift out or replace the movable tray, *E*, and the top being hinged to the upwardly projecting rear wall of the trunk body, enables me to place stationary cases, *F* and *G*, against the rear wall of the trunk and above the removable tray, *E*. The case, *F*, having an upwardly opening cover and the case, *G*, having forwardly opening door or doors, both cases are easily accessible when the top is thrown up. The body and top of the trunk are provided with the customary reinforcing strips, *a*² and *b*².

The corners of the top are strengthened by corner pieces, *B'*, one angle of which is secured over the reinforcing strip, *b*², and the other over the upturned end of the valance, *b*², the same rivets passing through the other angle of iron, *B'*, through the valance and the upwardly projecting portion of the end wall of the top.

The rear corners of the body are strengthened by the corner irons, *H*. The wings of the iron, *H*, which pass back of the trunk, have tongues or wings, *h*, formed by severing the wing. These tongues are bent first at a right angle to the body of the iron, and then again at a right angle to pass over the reinforcing strip *a*², the body of the corner iron being fastened to the rear wall of the trunk body, while the tongue, *h*, has rivets passing through it, the reinforcing strip, and also the rear wall of the trunk, thus holding the strip firmly in place and securing the same to the trunk body. The opposite angle of the corner iron, *H*, is secured to the trunk end and has the center portion of its inner wall recessed, forming the outward projection, *h'*, to allow the valance, *b*², to pass between it and the end wall of the trunk when the top is closed down. This corner iron, *H*, like the corner iron, *B'*, may be either formed of sheet metal stamped up to the desired shape, or of cast malleable metal, and a portion is cut out at *h*² for ornamentation, and also to save metal when the iron is formed of cast malleable iron.

It will be seen that when the trunk top is closed down it has all the appearance of an ordinary trunk, and that the rear corner is entirely closed, covered and protected by the

corner irons and the valance, and that when the top is thrown up and the tray in position, it cannot be closed until the tray, *C*, is thrown to its position within the trunk body.

It is obvious that many mere mechanical changes may be made in the details without departing from the spirit or scope of my invention and hence, without limiting myself to the precise construction shown,

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

1. The combination of the trunk body, having upwardly extended rear wall to meet the top of the trunk, the top having open back and closed sides and front, the hinge uniting the rear edge of the top and upward extended end of the rear wall of the body, the swinging tray, uprights secured to the trunk ends the tray carriers or links coupling said tray to said uprights, fastenings secured to the back of the tray and inside of the top to support the back of the tray when thrown up, the toggle brace to support the top in the open position, and the stud projecting from said brace to be engaged by one of the tray carriers to lock the top in the open position, substantially as shown and described.

2. The combination of the trunk body having upwardly extending rear wall, the top open at the back and resting upon the top edge of said upward extension when the trunk is closed, the hinges uniting the rear wall of the body and rear edge of the top, the rear corner irons reinforcing the end and back of the body, extending up above the ends of the body and having the end portion projecting outwardly to form a recess between part of the trunk end and end of the top when the trunk is closed, to receive the valance, the valance secured to and extending below the end and front walls of the top, substantially as shown and described.

3. The combination of the trunk body having upwardly extending rear wall a reinforcing strip upon the rear wall, extending below the top edge of the trunk body proper, above it and against the upward extension of the rear wall, the corner iron secured to the end and rear wall of the trunk and having an overlapping tongue to bear upon the reinforcing strip, whereby the end of the reinforcing strip is held between the main portion of the corner iron and the overlapping tongue substantially as shown and described.

4. In a trunk of the character described, the combination of the body having an upwardly extending rear wall, the angle irons for the rear upper corners of the trunk secured to the rear wall and the end walls, extending up above said end walls and having recess between the end walls of the trunk and the ends of the top, when the trunk is closed, to pass the valance, an upwardly extending plate at the rear wall of the top ends and having also an outwardly projecting lug for the back, a reinforcing strip held in position by the said

5 tongue of the corner irons, the top open at its rear end and having downwardly extending ends and front, the valance surrounding the front and end walls of said top, the reinforcing strip for the rear edge of the top, the corner irons secured over the rear end of the top and reinforcing strip, the end portions of

said irons being counter to the bevel of the body irons and forming a close joint when the trunk is closed.

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Witnesses:

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