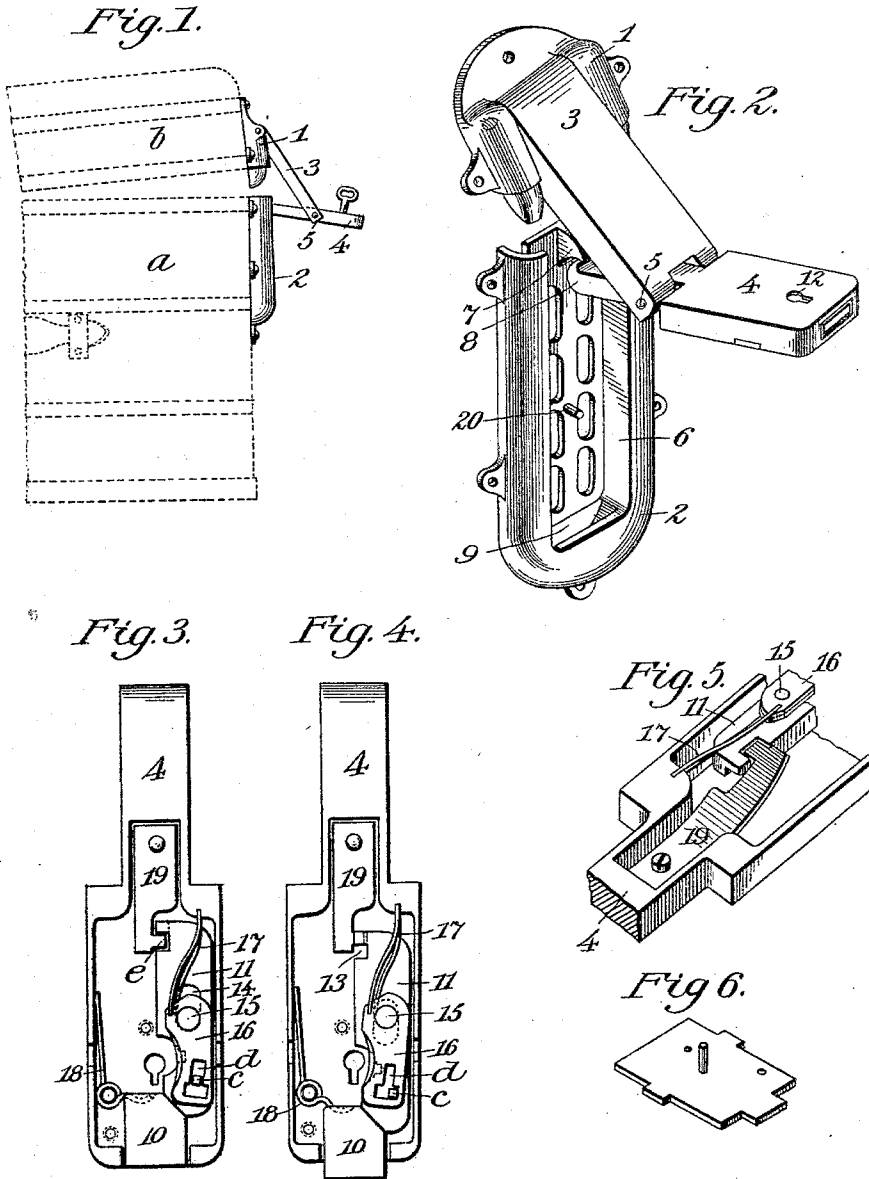


(No Model.)

W. J. HENRY, Dec'd.
R. A. HENRY, Administratrix.
TRUNK FASTENING.

No. 603,083.

Patented Apr. 26, 1898.



Witnesses:
A. C. Perry
W. M. Bradley

Rose Alice Henry
her attorney.

UNITED STATES PATENT OFFICE.

ROSE ALICE HENRY, OF PORTLAND, MAINE, ADMINISTRATRIX OF WILLIAM JOHN HENRY, DECEASED.

TRUNK-FASTENING.

SPECIFICATION forming part of Letters Patent No. 603,083, dated April 26, 1898.

Application filed October 28, 1897. Serial No. 656,647. (No model.)

To all whom it may concern:

Be it known that WILLIAM JOHN HENRY, late a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, did, in his lifetime, invent a certain new and useful Improvement in Trunk-Fastenings; and I, ROSE ALICE HENRY, administratrix of the last will and testament of said WILLIAM JOHN HENRY, do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to fastenings for trunks.

The object of the invention is to provide a secure and convenient fastening and a lock easily operated in conjunction with a lever for drawing down the lid to the body of the trunk.

In the drawings, Figure 1 is a view of a trunk with the improvement attached. Fig. 2 is a view of the fastening device in perspective. Fig. 3 is a top plan of the lock, the bolt being withdrawn and the plate removed. Fig. 4 is a top plan of the lock with plate removed, showing the bolt shot. Fig. 5 is a detail of upper part of the lock, and Fig. 6 is a view of the under side of the lock-plate and key-stud.

This invention is an improvement upon that shown and described in Letters Patent numbered 244,750, granted to William John Henry July 26, 1881, in which is shown the lever for drawing down the lid.

a and *b* represent the body and lid of the trunk. To the latter is affixed the plate 1.

2 is that part of the fastening which is attached to the body of the trunk. The tongue, which is hinged to plate 1, consists of two parts 3 and 4, which are connected together by a hinge 5.

6 is a slot in the part 2, which at the upper end is provided with a downwardly-depending hook 7. The part 4 of the tongue is provided beyond the hinge 5 with a prolongation 8, the part 3 being provided with a slot *n*, made hollow to receive it. The end of the prolongation 8 is provided with an upwardly-projecting hook. The lower end of the slot 6 has the slot 9 to receive the bolt 10 of the

locking device, which is contained in the lower part 4 of the tongue. The bolt 10 has the shank or arm 11, provided with an offset near the keyhole 12 and at the upper end with the rectangular notch 13. It also has an elliptical slot 14, through which passes the circular stud 15. On the stud are placed the tumbler or tumblers 16 of the lock, their movements being controlled by the spring or springs 17. These tumblers are provided with a T-shaped slot *d*, through which projects the dog *c*, which is fixed upon the arm 11. 18 is a flat spring impinging against the side of the slot 6 and the shoulder of the bolt 10. At the upper end of the slot 6 is a flat spring 19, which is provided at the lower end with a projection *e*, suited to enter the indentation 13 of the upper part of the arm 11. The normal position of the lower end is raised from the surface of the back of the slot 6. This slot also has a stud or pin 20, so placed to engage the lower part of the spring 19 when the tongue 3 is forced into the slot *d*.

The operation of the device is as follows: Assuming that it is desired to lock the trunk and that the lid has been closed, so that it is in the condition as shown in Fig. 1, the hook of the lever 4 is inserted under the hook 7 within the plate 2. Pressure is then applied to the lower end of the lever 4, thus depressing the lever and at the same time bringing down the lid of the trunk into position. When the lid has been brought closely down upon the lower part of the trunk, the tongue 4 has entered the slot 6 in the plate 2. The stud 20 engages the lower end of the spring 19, thus releasing the lower end of the arm 11, and thus permits the bolt 10 to be forced downward into the slot 9 by means of the spring 18. The trunk is now locked. To open the trunk, the key is inserted into the keyhole 12 and turned against the tumblers 16, thus forcing the shoulder of the slot from contact with the stud and permitting the key to force upward the arm 11 until the indentation is opposite the projection 2 on the spring 19, when the projection moves upward and enters the indentation 13, and the bolt 10 is thus held in position. At the same time the upward movement of the spring 19 forces outward the tongue 4, and the key is now

withdrawn and the inner or upper end of the tongue 4 removed from the hook 7.

What I claim is—

1. A lock for trunks consisting of a swinging tongue attached to the lid, having on the under side thereof a lock consisting of a lock-bolt and shank and actuating-spring, tumblers and means for automatically locking them when the bolt is shot, a notch in said shank and a spring with projection suited to enter said notch when the bolt is withdrawn and a plate on said trunk having a pin suited to engage said last-named spring, substantially as described.
2. In combination with a trunk and lid, a plate attached to said lid having hinged thereon a tongue consisting of two parts hinged together, said tongue being provided with an arm capable of being inclosed in the upper part of said tongue and provided with a hook, a plate attached to the trunk having a hook adapted to receive the hook upon said tongue and a stud adapted to engage the spring controlling the lock-bolt of the lock in the lower part of said tongue, together with a locking device consisting of a spring and lock-bolt, whereby said lid is brought into position and said trunk locked automatically, substantially as described.

3. A fastening for trunks consisting of a swinging tongue attached to the lid having a lock provided with a bolt and an actuating-spring, means for locking the bolt when shot, means for holding the lock-bolt when withdrawn and a plate on said trunk having an aperture to receive said bolt and a pin or other means suitable to engage and release said means for holding the bolt when withdrawn, substantially as described.

4. In combination with a trunk and lid the plate 1, the plate 2 with slot 6, the tongue consisting of the parts 3 and 4, the projection 8 on the part 4, the hook 7 and stud 20 in the plate 2, the latter being adapted to engage the spring 19 and the spring 19 provided with means for receiving and holding the lock-bolt 10, substantially as described.

In testimony that I claim the foregoing as the invention of said WILLIAM JOHN HENRY I have hereunto set my hand this 26th day of October, A. D. 1897.

ROSE ALICE HENRY,
Administratrix of the estate of William John Henry.

In presence of—
A. C. BERRY,
GEO. E. BIRD.