

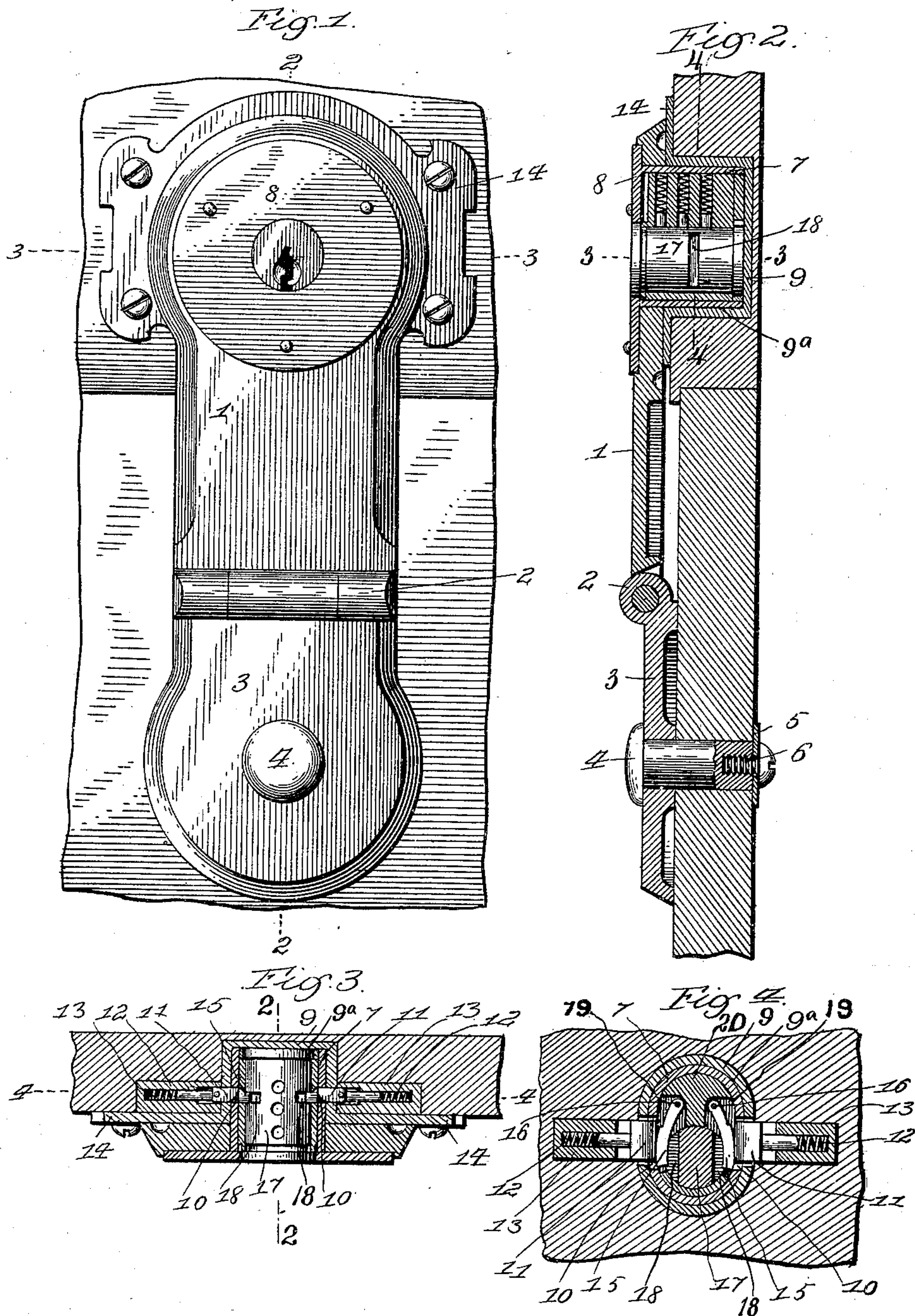
No. 663,797.

Patented Dec. 11, 1900.

W. H. TAYLOR.
TRUNK LOCK.

(Application filed Aug. 24, 1898.)

(No Model.)



WITNESSES:

Herbert Bradley
Edward H. Allen

INVENTOR

Warren H. Taylor

BY

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UNITED STATES PATENT OFFICE.

WARREN H. TAYLOR, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE
YALE & TOWNE MANUFACTURING COMPANY, OF SAME PLACE.

TRUNK-LOCK.

SPECIFICATION forming part of Letters Patent No. 663,797, dated December 11, 1900.

Application filed August 24, 1898. Serial No. 689,429. (No model.)

To all whom it may concern:

Be it known that I, WARREN H. TAYLOR, a citizen of the United States, and a resident of Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Trunk-Locks, of which the following is a specification.

My invention relates to that class of trunk-locks which employ a hasp secured to one part of the trunk or receptacle and a keeper secured to the other part of the trunk or receptacle and constructed to receive a projecting portion on the hasp, the parts being held in locked relation by means of a spring latch or latches carried by one of the parts and engaging the other and the latch or latches being released by an unlocking mechanism under control of a key.

My present invention has for its object to improve and simplify the general construction of such a lock; and my invention consists of the parts and combination of parts, as will be more fully hereinafter set out.

My invention will be fully understood upon reference to the accompanying drawings, in which—

Figures 1, 2, 3, and 4 represent a lock embodying my present invention, said figures being respectively a front elevation, a vertical longitudinal section on the line 2 2 of Figs. 1 and 3, a transverse section on the line 3 3 of Figs. 1 and 2, and a vertical section on the line 4 4 of Figs. 2 and 3.

1 represents the hasp, which is hinged at 2 to an attaching-plate 3, which may be secured to the lower or body portion of the trunk or other receptacle by any suitable means—such, for instance, as a bolt 4, passing through said plate and the wall of the body and receiving upon its inner end a washer 5 and retaining-screw 6. The hasp 1 is provided with a projecting elliptical case 7, which may be secured in the hasp by means of face-plate 8 and which enters the cup or socket 9^a of a keeper 9, secured to the upper or closure portion of the trunk or other receptacle. The elliptical case 7 is provided with lateral slots 10, which receive spring-dogs 11 of the keeper 9 for locking the hasp when the elliptical case is forced into said keeper. The dogs are beveled on

their outer faces, so as to cause them to recede on the introduction of the elliptical case, and they are provided with springs 12, which cause them to snap into engagement with the elliptical case when the latter is pressed in.

13 represents spring-chambers projecting laterally from the keeper 9 for the reception of the spring-dogs 11, and 14 is an attaching-plate upon which the cup or socket of the keeper and said spring-chamber are mounted and by which they are secured in place.

To disengage the dogs 11 from the elliptical case 7 in the act of unlocking, said elliptical case is provided with cam-levers 15, pivoted at 16 in recesses 19 in the block 20 and adapted to enter the slots 10 and to displace the dogs 11. To spread the cam-levers 15 for thus displacing the dogs 11, I employ a rotating plug preferably embodied in a pin-tumbler cylinder 17, provided with transverse notches 18, which normally admit the cam-levers 15 and permit the entrance of the dogs 11, but which may be turned away from the cam-levers, so as to bring the periphery of the cylinder 17 into engagement with the levers 15 and force them out to displace the dogs 11 and permit the opening of the hasp. By employing a pin-tumbler cylinder 17 as the means for unlocking the dogs 11 I at once provide for all the safeguard that could be desired by rendering the unlocking mechanism subject to an appropriate key of a type which offers complete security, while the locking mechanism *per se* is very simple and effective.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In combination with a hasp and its retaining-keeper; retaining-dogs carried by one of said parts and engaging the other, interlocking mechanism carried by said other part and embodying cam-levers for displacing said retaining-dogs, and a key-controlled mechanism for spreading said cam-levers, substantially as and for the purposes set forth.

2. In combination with a hasp and its retaining-keeper; retaining-dogs carried by one of said parts and engaging the other, interlocking mechanism carried by said other part and embodying cam-levers for displacing said

retaining-dogs, and a key-controlled rotating cylinder for spreading said cam-levers, substantially as and for the purposes set forth.

3. The combination of a keeper formed
5 with a socket and spring-pressed dogs protruding from the wall of said socket, a hasp having a projecting portion entering said socket and having slots receiving said spring-pressed dogs to lock the parts together, and
10 key-controlled mechanism carried by the hasp for displacing said dogs and unlocking the hasp from the keeper; substantially as set forth.

4. In combination with a hasp and its re-
15 taining-keeper; retaining-dogs carried by one of said parts and engaging the other, and interlocking mechanism carried by said other part and embodying a rotating cylinder and means for displacing said retaining-dogs op-
20 erated on by the cylinder; substantially as explained.

5. The combination of a keeper having

spring-pressed retaining-dogs, a hasp having a projecting portion having slots and which enters the keeper and receives the dogs to
25 lock the parts together, cam-levers adapted to enter the slots of the hasp to displace the dogs therefrom, and a pin-tumbler cylinder having notches to receive the cam-levers, to permit the entrance of the dogs, but adapted
30 to spread said cam-levers and displace the dogs by turning the cylinder; substantially as set forth.

6. A trunk-lock comprising a keeper having a cup or socket, spring-chambers, and
35 spring-dogs, and a hasp having a case formed with slots and containing a block having recesses, a cylinder having recesses, and cam-levers pivoted in the recesses of the block; substantially as described.

WARREN H. TAYLOR.

Witnesses:

SCHUYLER MERRITT,
GEO. E. WHITE.