H. J. PERCY.

LOCK.

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1,197,149. Patented Sept. 5, 1916.

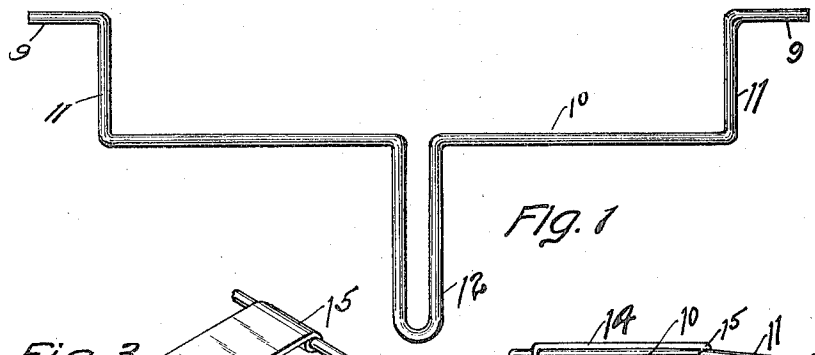


Fig. 1

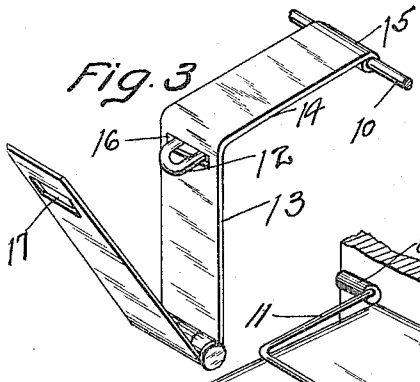


Fig. 3

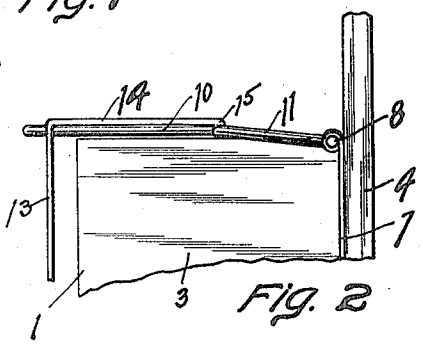


Fig. 2

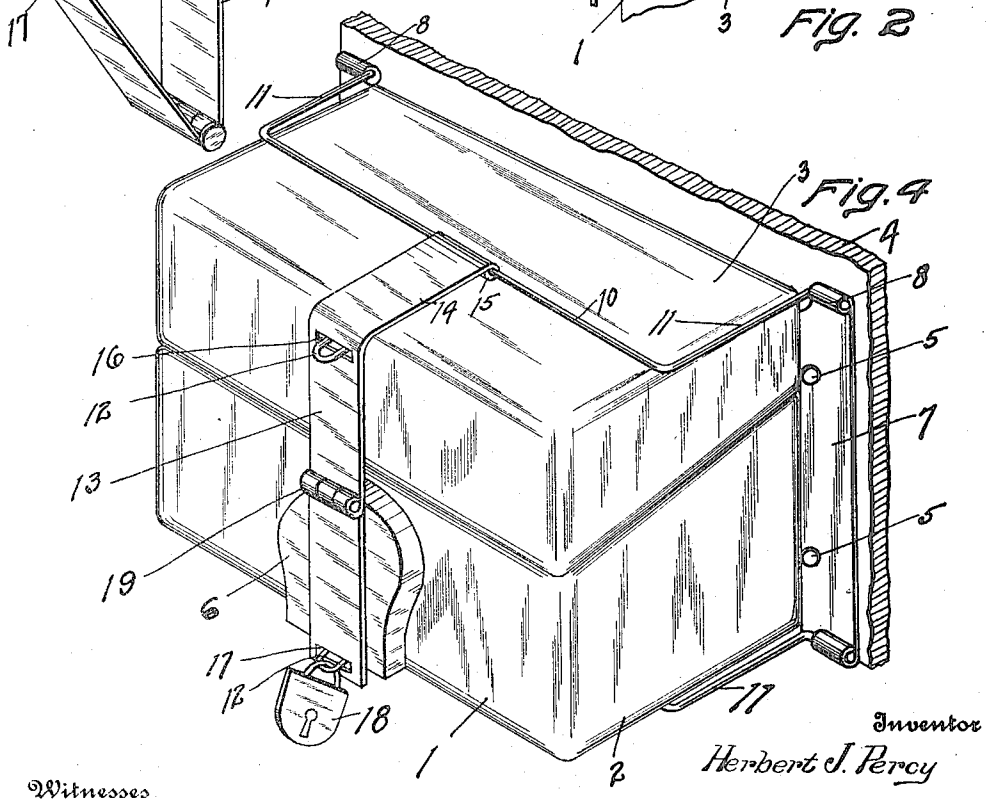


Fig. 4

Witnesses

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LOCK.

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To all whom it may concern:

Be it known that I, HERBERT J. PERCY, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Locks, of which the following is a specification.

My invention relates to locks and it is particularly directed to the provision of a lock for use in connection with the coil box forming a portion of the ignition system of a well known make of motor vehicle.

Broadly, my invention contemplates the provision of a locking structure for locking the component parts of a box in their normal position of closure.

A further object of my invention resides in so constructing my lock that the operating switch usually carried by the forward side of a coil box will be covered in such manner that its manipulation to render the ignition system complete will be impossible. In this connection, my invention also contemplates so forming the lock that the switch as well as the removable top will be locked against unauthorized use.

Another object of my invention resides in providing a structure whereby the lock itself may be so mounted and wherein the parts forming the lock are so joined together that the locking structure as a whole may be moved or swung out of a position of possible interference with the necessary removal or manipulation of the various parts forming the coil box and the switch.

The preferred embodiment of my invention is shown in the accompanying sheet of drawings, in which similar characters of reference designate corresponding parts, and in which:

Figure 1 represents a plan view of one of the hinge wires used in my construction, Fig. 2 shows the application of my invention in side elevation to the upper portion of a coil box of the type referred to, Fig. 3 is a view in perspective of the hasp portion of my lock, and, Fig. 4 is a view in perspective showing my locking structure applied to the coil box and switch mechanism.

In these drawings, the coil box 1 is shown as being formed of two separable parts, the base portion 2 and the top or cover portion 3, the box as a whole being held in position upon the dash 4 by means of the bolts or screws shown at 5. The forward side of the base portion 2 is usually provided with a switch mechanism incased within the housing structure shown at 6, it being customary to operate this switch by means of a suitable removable key.

As already related, it is my object to provide a locking structure wherein the parts forming the box 1 may be held in assembled relation as well as the switch mechanism covered to prevent its operation, this being accomplished in the present instance by covering the key hole into which the key is normally inserted. To accomplish this, I have provided a pair of side members 7, each side member being provided with a pair of apertures to register with the bolts 5 and also having their ends curled as shown at 8, to form a seat for the pivotal reception of ends 9 of a pair of wire members designated 10. These wire members are similarly formed and as indicated in the drawings, the space between their legs 11 is such as to embrace the sides of either the base or cover portions of the box and these legs are further given such angularity as will cause the pivot portions 9 to lie beneath the upper and lower surfaces of the cover and base portions of the box respectively to prevent sidewise removal of these parts after the lock is in the position shown in Fig. 4. Each of the wire members 10 is also provided at a central point between the legs 11 with a forwardly projecting U-shaped staple formation 12. A hasp structure is provided with these wire members, this hasp structure being in the nature of a strap designated in its entirety by the reference numeral 13. The upper end of this strap is given a right angular bend as is shown at 14 to lie flat on the upper side of the U-shaped staple structure 12 forming a portion of the upper wire member 10 and has its end curled as is shown at 15 to make its attachment rigid. This strap is further provided with a pair of cut-out portions designated 16 and 17, these cut-out portions being adjacent the lower and upper ends as is shown and are so arranged that the two staple structures pass through them in the manner indicated, in order that the two wire members may be locked together through the medium of this strap member by means of the padlock 18. This strap member is further provided with a hinge joint 19 midway between the two holes 16

and 17 in order that the lower portion of the strap may be doubled back after the manner shown in Fig. 3 and the hole 17 made to pass over the staple portion 12 of the upper wire member. In this manner, the switch mechanism confined within this housing 6 on the lower portion of the box 1 may be uncovered and the hasp structure held permanently in position by passing its lower hinge portion over the staple structure on the upper wire and then inserting the padlock in this staple. In this manner, the hasp structure is held out of all possible interference with the switch mechanism and at the same time a place is provided for keeping the padlock when the locking structure is unlocked.

Thus it will be apparent that I have provided a type of structure wherein the ignition circuit leading from the coil box 1 may be locked against unauthorized manipulation. This is accomplished by the flat portion of the hasp structure 13 lying flush against the face of the switch housing 6 which prevents the insertion of the necessary key or other suitable implement to manipulate the switch. Further, because of the embracing nature of the upper and lower wires 10, the cover 3 of the coil box 1 is held against removal either upwardly or laterally. By means of the pivotal connection of the wires 10 with their supporting bars 7, each may be swung out of a position of any possible interference if desired. Also, the upper wire 10 may be swung about its pivot to allow the removal of the cover 3 after the padlock has been removed.

What I claim, is:

1. A lock for a box formed of a body and a removable top, one of which is provided with a key hole, comprising a hasp extending over that face of the box in which the key hole is located and pivotally jointed in that portion which lies intermediate opposite edges of the face in which the key hole is located, said hasp being arranged to be placed in locking position adjacent the key hole, and means for locking said hasp in such position.

2. A lock for a box formed of a body and a removable top, one of which is provided with a key hole, comprising a staple adjacent the upper and lower portions of the box, a hasp having a hole in its lower end extending over the front face of the box and pivotally jointed intermediate its ends so that said hole may coöperate with either staple, said hasp being arranged to be placed in locking position adjacent the key hole, and means for locking said hasp in such position in connection with one of said staples.

3. A lock for a box formed of a body and a removable top one of which is provided with a key hole, comprising a supporting wire shaped to embrace the box top and to also bear against its upper surface, said wire being pivotally mounted, a strap portion carried by said wire arranged to be placed in a locking position adjacent the key hole, and means for locking said wire and strap portions in such position.

4. A lock for a box formed of a body and a removable top one of which is provided with a key hole, comprising a supporting wire shaped to embrace the top and to also bear against its upper surface, said wire being pivotally mounted, a strap portion carried by said wire formed with a hole in its lower end and arranged to be placed in a locking position adjacent the key hole, a staple structure adjacent the base of the body arranged to pass through said hole, and a second staple at the top of said strap, said strap being hinged intermediate its ends so that said hole may coöperate with both of said staples.

5. A lock for a box formed of a body and a removable top one of which is provided with a key hole, comprising a pair of wires similarly shaped to embrace the top and bottom and to also bear on their upper and lower faces respectively, both of said wires being pivotally mounted and formed with a forwardly projecting U-shaped staple formation, said staple formations lying in vertical alinement with said key hole, a strap member rigidly attached to the upper of said wires and being provided with a pair of holes to pass over said staple formations, said strap having a hinge joint midway between its holes, and a locking means adapted to lock said strap in a position of engagement with either staple.

In testimony whereof I affix my signature in presence of two witnesses.

HERBERT J. PERCY.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."