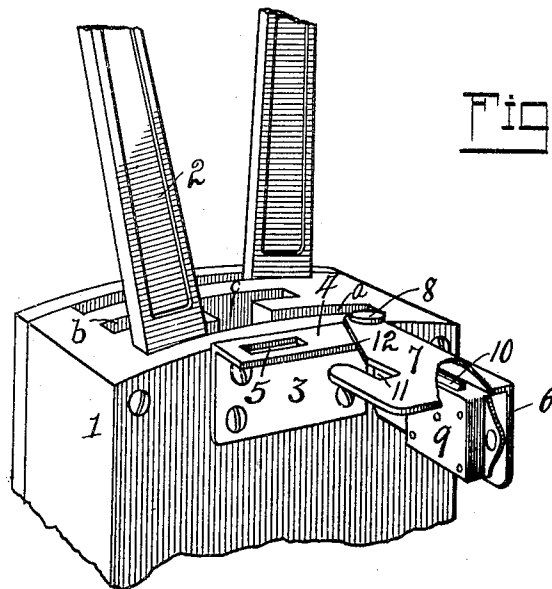
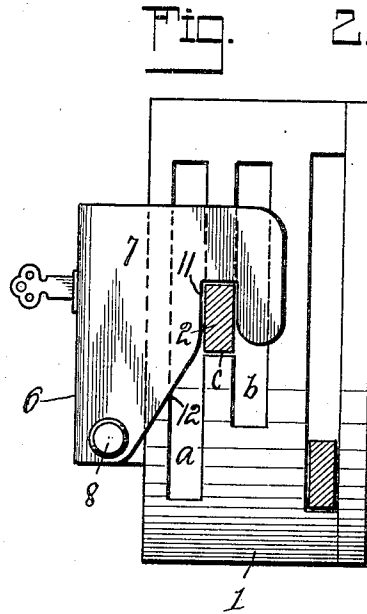
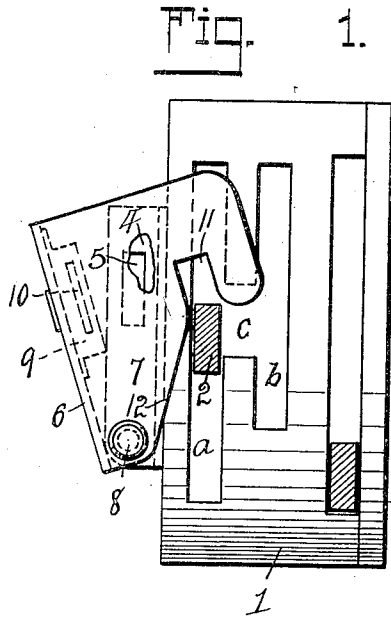


T. J. KEHOE.
 AUTOMOBILE LOCK.
 APPLICATION FILED MAY 12, 1913.

1,126,781.

Patented Feb. 2, 1915.



WITNESSES:

C. H. Mills.
E. C. Thomas.

INVENTOR.

Thomas J. Kehoe,
By Owen & Owen,
his attys.

UNITED STATES PATENT OFFICE.

THOMAS J. KEHOE, OF TOLEDO, OHIO.

AUTOMOBILE-LOCK.

1,126,781.

Specification of Letters Patent.

Patented Feb. 2, 1915.

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To all whom it may concern:

Be it known that I, THOMAS J. KEHOE, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Automobile-Lock; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to automobile locks, and more particularly to that class of locks which are carried by or associated with the control-lever guide to lock the lever against shifting movements relative thereto.

The object of my invention is the provision of an improved lock of this character, which is simple and inexpensive to manufacture, light and durable in its construction, and easily and quickly operable to lock the control-lever of an automobile or the like, against movements relative to its guide or to release the same, whereby to enhance the practicability and commercial value thereof.

The invention is fully described in the following specification, and while, in its broader aspect, it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figures 1 and 2 are top plan views of a control mechanism equipped with my invention, with the lock in different positions and the levers in section, and Fig. 3 is a perspective elevation of such mechanism, with the lock in full open position and a portion thereof broken away.

Referring to the drawings, 1 designates the customary control-lever guide of an automobile, and 2 the control-lever, which is movable in such guide. The guide 1, in the present instance, is provided with an H-form of guide-slot, or, in other words has two parallel slots *a* and *b* extending lengthwise of the throw of the lever, which slots are connected intermediate their ends, as at *c*, in which opening the control-lever stands when in neutral position. This form of slot is illustrated, as it is more universally used than others, but it is to be understood that the invention is not restricted

to use in connection with any particular form of guide slot, as it is intended for use in any connection for which it may be adapted or appropriate. The shifting movements of the control-lever within the guide slot are well understood in the art, and therefore need not be described.

The lock embodying my invention comprises the fixed member 3, which is rigidly secured to one side of the guide 1 by screws, or in any other suitable manner, and is provided at its upper edge with an outwardly-turned horizontally-disposed flange 4 having a lock-bolt receiving opening 5 therein near one of its ends. The movable member 6 of the lock has its body portion preferably disposed in upright or substantially parallel position relative to the member 3 and is provided at its upper edge with a horizontally-projecting flange 7, which is adapted to lap over the flange 4 of the fixed member 3 and is pivoted at one end to the end portion of the flange 4 opposed to that in which the opening 5 is disposed, as at 8, to enable the member 6 to have horizontal swinging movements relative to the guide 1. A lock 9, preferably of the snap bolt type, is fixedly carried by the body portion of the member 6 at its inner side in position for its bolt 10 to engage within the opening 5 of the flange 4 when the member 6 is thrown into control-lever locking position, as shown in Fig. 2.

The flange or control-lever engaging portion 7 of the member 6 is of sufficient width near its outer or swinging end to enable it, when in locked position, to project over the slotted portion of the guide, and such broadened portion is provided in its inner side with a lever receiving notch 11. The notch 11 is properly positioned to adapt it to receive the control-lever when in neutral or inoperative position, and when the member 6 is in its locked position, and coöperates with the end walls of the neutral opening *c* to prevent a movement of the lever from such position. The inner or narrowed end portion of the flange 7 is preferably tapered from adjacent to its pivot to the inner side of the notch 11, as at 12, to coact with the control lever to place the notch 11 in lever-receiving position when the lever is being moved in the slot *a* toward the open end of the notch, provided the flange 7 stands too far over the guide for its slot 11 to stand in register with the lever. As the lever

when working in the slot *a*, moves into the notch 11 it coacts with the outer side wall of such notch to swing the member 6 toward its locking position; and the lateral movement of the lever into neutral position when in register with the opening *c* effects a positive movement of the member 6 to locking position, the bolt 10 being sprung into engagement with the opening 5 by such movement.

It is thus evident that I have provided a simple and efficient form of lock, which is preferably attached in a permanent manner to the guide and is adapted to stand in inoperative position when not in use, and to be swung or moved to lever locking position when it is desired to lock the lever in inoperative position, and which is also adapted to have the final locking movements of the lever engaging part thereof actuated by movements of the lever.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

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

1. The combination with a slotted guide for a control lever, of a lever locking member pivotally connected to said guide for horizontal swinging movements relative thereto and having a portion for swinging over the guide provided with a notch for receiving the control lever whereby said member coöperates with the guide to retain the lever in neutral position, and means for locking the member in lever holding position.

2. The combination with a guide for a control lever, said guide having connected slots in which a lever may work, of a member hinged to a side of the guide for horizontal swinging movements relative thereto and provided with a notched portion adapted to be swung over the guide into position to receive and lock a lever in neutral position relative to the guide, and means having co-operating parts carried by said member and guide for securing the member in lever locking position.

3. The combination with a lever guide of

the class described, of a member which is L-shape in cross-section hinged to said guide for horizontal swinging movements relative thereto, one portion thereof being adapted to project over the guide and to coöperate therewith to retain an associated lever in neutral position and another portion of the member extending down at a side of the guide, and means carried by said downwardly extending portion for coöperating with a portion of the guide to lock the member in lever locking position.

4. The combination with a guide having connected guiding slots for a control lever, of a part fixed to a side of the guide and having an outwardly projecting flange, a member hinged for horizontal swinging movements to said flange and having a notched lever receiving portion for swinging over said flange and guide to coöperate with portions of the guide to retain a lever in a predetermined position relative to the guide, and locking means carried by one of said parts and member and coöperating with the other thereof to retain the member in lever locking position.

5. The combination with a control lever guide having a plurality of connected lever guiding slots therein, of an L-shaped part fixed to a side of said guide and having one flange thereof projecting outwardly from the guide, and an L-shaped member pivoted at one end of one flange to the outwardly projecting flange of said part and having a hooked portion at the opposite end portion of the pivoted flange for swinging over the guide and into locking engagement with a lever to coöperate with the guide to secure the lever in neutral position, and a lock carried by the other flange of said member and adapted to coact with a portion of the outwardly projecting flange of said part to retain said member in lever locking position.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

THOMAS J. KEHOE.

Witnesses:

C. W. OWEN,
E. E. THOMAS.