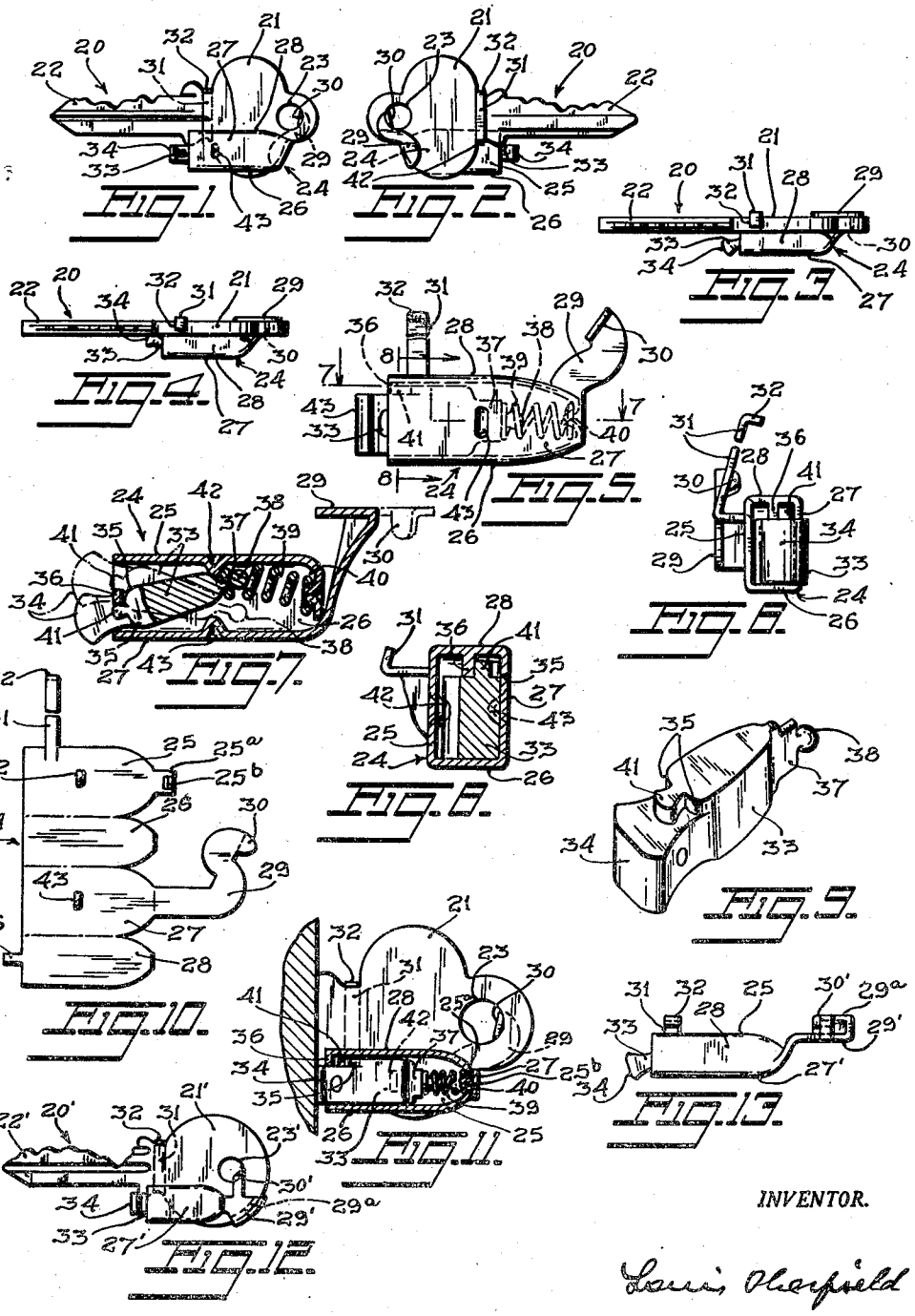
July 24, 1951 L. OBERFIELD 2,561,944

SNAP-ATTACHABLE KEY REGISTER

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INVENTOR.

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## SNAP-ATTACHABLE KEY REGISTER

Louis Oberfield, Brooklyn, N. Y.

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10 Claims. (Cl. 70—395)

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This invention relates to new and useful improvements in a snap attachable key register and more particularly comprises an improvement of my earlier Patent No. 2,418,046 issued March 25, 1947.

More particularly, the present invention relates to a key register in the nature of a snap-on attachment for cylinder lock type keys now in general use for registering by means of letters on the attachment the position of the bolt of the lock when the key was last removed from the cylinder of the lock in a manner to serve as a check as to whether or not the door lock is open or locked.

Still further, the present invention proposes the construction of a casing positioned adjacent the side of the handle of the key with an open end directed toward the shank of the key and from which a spring pressed rocker member projects to be leaned in one direction or the other as the key is turned in one direction or the other in the lock and serve to register the position of the bolt of the lock when the key was last removed from the cylinder.

Still another object of the present invention is the provision of a novel means for removably supporting the casing upon the handle of the key so that the same may be removed from the key when desired.

A further object of the present invention is the provision of a means for locking the spring pressed rocker member in either of its two turned positions in a manner so as to prevent accidental turning thereof while the key is being carried in one's pocket or pocketbook.

It is a further object of the present invention to construct a snap attachable key register which is simple and durable, which can be manufactured and sold at a reasonable cost and which may be quickly and easily mounted upon and removed from a cylinder-type key without the use of tools.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a side elevational view of a cylinder-type key provided with a snap attachable key register constructed in accordance with the present invention.

Fig. 2 is a rear elevational view of Fig. 1.

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Fig. 3 is a top plan view of Fig. 1.

Fig. 4 is a view similar to Fig. 3, but illustrating a different position of the parts.

Fig. 5 is a side elevational view of the key register, per se.

Fig. 6 is an end elevational view of Fig. 5 looking from the left-hand end.

Fig. 7 is a horizontal sectional view taken on the line 7—7 of Fig. 5.

Fig. 8 is a vertical sectional view taken on the line 8—8 of Fig. 5.

Fig. 9 is a perspective view of the spring pressed rocker member, per se.

Fig. 10 is an elevational view of the blank, per se, from which the casing of the key register is formed.

Fig. 11 is a side elevational view similar to Fig. 1, but illustrating the key inserted into the cylinder of a lock and with the key register in longitudinal vertical section.

Fig. 12 is a side elevational view similar to Fig. 1, but illustrating a modification of the invention.

Fig. 13 is a plan view of the snap attachable key register of the form of the invention shown in Fig. 12, but shown removed from the key.

The snap attachable key register, in accordance with the form of the invention illustrated in Figs. 1 to 11 of the drawing, is adapted to be used in combination with a cylinder lock type key 20 having the usual handle 21 and shank 22. The handle 21 of the key of this first form of the invention is club-shaped and formed with the usual key ring hole 23.

The key register includes a casing 24 positioned adjacent one side of the handle 21 of the key 20 and the casing is formed from a single blank of material, which is shown in elevation in Fig. 10. The casing 24 includes a side wall 25 which extends along the side of the handle 21 and which in turn continues into a bottom wall 26. The bottom wall 26 continues into an upwardly extending side wall 27 which in turn continues into an inwardly directed top wall 28 which has its free inner edge abutting the free top edge of the side wall 25.

Means is provided for releasably retaining the casing 24 in position upon the adjacent side of the handle 21 of the key 20. This releasable retaining means comprises an extension 29, under spring tension, from the rear end of the outer side wall 27 which is bent to extend about the bottom edge of the handle 21 and to extend along the opposite side of the handle 21 of the key 20 from the side along which the casing 24 extends. The extension 29 terminates in a lug 30 which

engages the bottom inside edge of the key ring hole 23. The resilient nature of the extension 29 permits it to be bent with relation to the casing 24 to fit key handles of different sizes. A snap strip 31 is integrally formed with the side wall 25 and is also bent to extend along the opposite side of the handle 21 of the key 20 from the side along which the casing 24 extends. The strip 31 has a portion which engages the bottom edge niche of the handle and the free end of the strip 31 terminates in a lug 32, see Fig. 6, which engages the top edge niche of the key handle 21, as shown in Figs. 1 to 4. The free end of the strip 31 can be bent to adjust the same to keys of different widths. To remove the key register from the key 20, the snap strip 31 is flexed to disengage its lug 32 from the side of the handle 21 and then the key register is rotated in a direction away from the handle 21 until the extension 29 moves clear of the side of the handle 21 and then the lug 30 is disengaged from the key ring hole 23, completing the disengagement of the key register from the key 20. To remount the key indicator in position upon the key 20, the above procedure is reversed.

When the key register is removed from the handle 21 of the key 20, the snap strip 31 extends upwards at a slight angle, see Fig. 6, to be again extended parallel to the side of the handle, when the key register is reengaged upon the handle 21. The unstressed angular disposition of the snap strip 31 provides required resiliency for maintaining the snap strip in a position in which its lug 32 will retain engagement with the top edge niche of the key handle 21.

A rocker member 33 is mounted within the casing 24 and has a curved face 34 extended from the open end of the casing 24 located adjacent the shank 22 of the key 20. The top of the rocker member 33 is formed with a shoulder 35 and the top wall 28 of the casing is formed with a small downwardly extending stop member 36 which engages the shoulder 35 for retaining the rocker member 33 against disengagement from the casing 24. The rear end of the rocker member 33 continues into a flat flange 37 which continues into a small headed projection 38. An expansion spring 39 has its endmost convolution engaged loosely about the headed projection 38 behind its head. As shown in Fig. 10, the rear ends of all of the walls of the casing 24 are rounded, and these rounded rear ends are all bent inwards closing the rear end of the casing 24 and providing a socket 40, see Figs. 7 and 11, in which the rear end of the spring 39 is received.

The rear end of the side wall 25 is formed with a small lug $25^a$ formed with a pressed in nipple $25^b$, see Figs. 5, 7 and 10, against which the rear end of the expansion spring 39 is adapted to seat to assist in retaining the rear end of the spring 39 in a central position, and for cradling the rear end thereof.

Opposite sides of the curved face 34 of the rocker member 33 are marked with the letters "O" and "L" to be exposed at the sides of the rocker member 33 in either of its two positions to indicate whether the lock was left open or closed. As in my previous patent referred to above, the letter "O" stands for "open" and the letter "L" for "locked."

A triangular projection 41 extends from the shoulder 35 at the top of the curved face 34 of the rocker member 33 and is arranged to be located on either side of the stop member 36 for holding the rocker member 33 with its curved face 34 directed away from the side of the key 20, as shown in Fig. 3, to expose the letter "L" on the opposite side face, see Fig. 2, to indicate that the bolt of the lock was in extended or locking position when the key was last removed from the cylinder of the lock. When the triangular projection 41 is located on the other side of the stop member 36, the curved face 34 of the indicator member 33 is directed toward the side of the key 20, as shown in Fig. 4, to expose the letter "O" on the opposite side face, see Fig. 1, to indicate that the bolt of the lock was in a retracted or open position when the key was last removed from the cylinder of the lock.

The side walls 25 and 27 of the casing 24 adjacent the flange 37 of the rocker member 33 are formed with inwardly directed nibs 42 and 43. When the rocker member 33 is in the position indicating that the bolt of the lock is in its extended or locking position, as shown in Figs. 3 and 7, the spring 39 will retain the rocker member 33 in a position in which the nib 42 will be engaged in the junction of the flange 37 with the rear end of the rocker member 33, as clearly shown in Fig. 7. When the rocker member 33 is in the position indicating that the bolt of the lock is retracted or in open position, as shown in Fig. 4, the spring 39 will then retain the rocker member 33 in a position against the other side wall 28, with the junction of the flange 37 with the rocker member 33 engaging the nib 43 of that side wall.

The space between the inner ends of the nibs 42 and 43 is substantially equal to the width of the body portion of the rocker member 33. Thus, when the key 20 is inserted into the cylinder of the lock the curved face 34 of the rocker member 33 will bear against the face of the cylinder as the key approaches its fully-in position so that further movement of the key into the cylinder, to the fully-in position shown in Fig. 11, will cause the rocker member 33 to be pressed inwards against the action of the spring 39 and rocked to a neutral position. This movement causes the inner rounded end of the rocker member 33 to ride off the nib 42 or 43 with which it was engaged and assume a neutral position between the nibs 42 and 43. Simultaneously, the triangular projection 41 will move inwards until its front end is clear of the inner side of the stop member 36. With the rocker member in that neutral position, the key is then turned in one direction or the other to open or close the lock. Let us assume that the lock is being closed. As turning of the key in the cylinder starts, it will cause the curved end of the rocker member 33 to be rocked past a dead center in toggle-fashion to be directed away from the side of the key, as shown in Figs. 3 and 7, about the rear end of the rocker member located between the nibs 42 and 43. As turning of the key is continued, the extended end of the rocker member will idly slide over the face of the cylinder. When rotation of the key in the cylinder is completed, the key is withdrawn from the cylinder. Immediately, the spring 39 will urge the rocker member 33 forward, engaging the junction of the flange 37 with the rear end of the rocker member 33 over the nib 42, as shown in Fig. 7. Simultaneously, the triangular projection 41 will be engaged to the right of the stop member 36, as shown in Fig. 6, locking the rocker member 33 in a position in which the curved face 34 of the rocker member 33 will be directed away from the side of the key

20 exposing the letter "L" on the opposite side face to register that when the key was last withdrawn from the cylinder of the lock, the bolt was in its extended or locking position. The key may then be inserted in one's pocket or pocketbook, and if at any time there is any concern about whether or not the door was locked, it is merely necessary to look at the key register and note which letter is exposed to view. The spring 39 in cooperation with the triangular projection 41 acts to retain the rocker member 33 in a fixed position, against accidental displacement while the key is being carried in the pocket or pocketbook and permits the release of the rocker member 33 only when the key is reinserted into the cylinder of the lock to open the lock, in which case the rocker member 33 will be pressed inwards against the action of the spring 39 moving the rocker member 33 to a neutral position to be turned in the other direction to expose the letter "O," as the key 20 is turned in the opposite direction to open the lock.

It is believed that the operation of the key register will be apparent from the foregoing description and a further specific operation will not be given in this specification.

In the modification of the invention shown in Figs. 12 and 13, the snap attachable key register is shown applied to a key 20' having a round handle 21' and integral shank 22'. The round handle 21' of the key 20' is formed with the usual round key ring hole 23'.

The key register is similar to that previously described, except that the side wall 27' of the casing has its extension 29' shaped to include a portion which extends parallel to the side of the handle 21' of the key 20' along which the casing extends and which continues into a portion 29a bent around the edge of the handle 21' of the key 20' and extended along the opposite side of the key 20'. As in the previous form of the invention, the extension 29' terminates in a lug 30' extended into the key ring hole 23'.

In other respects this form of the invention is similar to that previously described, and like reference numerals identify like parts in each of the several views.

The snap attachable key register of the present invention is not limited to its bolt position indicating function alone. The key register also serves to quickly identify any key to which it is attached and can be applied to many other useful purposes all within the scope and intent of the appended claims.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started.



2. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said casing being formed of a single blank of material and having said stop member bent from the top wall thereof.

3. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one

end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said mounting means comprising an extension from the rear end of said casing bent to extend about the bottom edge of the handle of the key and also having a lug engaging the bottom inside edge of the key ring hole of the handle, and a strip extending from the side of said casing and projected along the side of the handle opposite the side on which the casing is located and terminating in a lug engaging a top edge niche of the key, said strip having a portion engaging the bottom edge niche of the key.

4. In combination with a cylinder lock type key having a handle and shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shouder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said rocker member being formed at its inner end with a vertical rear flange continuing intermediate of its height into a headed projection, said rocker member being spring pressed by an expansion spring having one convolution at one end thereof engaged about said headed projection.

5. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said rocker member being formed at its inner end with a vertical rear flange continuing intermediate of its height into a headed projection, said rocker member being spring pressed by an expansion spring having one convolution at one end thereof engaged about said headed projection, said casing having the rear ends of said wall converged toward each other forming a socket in which the rear end of said expansion spring engages.

6. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indi-

cate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said rocker member being formed at its inner end with a vertical rear flange continuing intermediate of its height into a headed projection, said rocker member being spring pressed by an expansion spring having one convolution at one end thereof engaged about said headed projection, said casing having the rear ends of said wall converged toward each other forming a socket in which the rear end of said expansion spring engages, and a lug on said casing formed with a nipple engaging in and cradling the rear end of said spring.

7. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, inwardly directed nibs formed on the side walls of said casing and said nibs being selectively engaged by the adjacent rear corners of said rocker member depending on the side of said stop member on which said projection is located, said rear corners of said rocker member being formed with rounded cam surfaces to have a camming action on said nibs and slide past said nibs when said rocker member is pressed into said casing.

8. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned



adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, inwardly directed nibs formed on the side walls of said casing and said nibs being selectively engaged by the adjacent rear corners of said rocker member depending on the side of said stop member on which said projection is located, said rear corners of said rocker member being formed with rounded cam surfaces to have a camming action on said nibs and slide past said nibs when said rocker member is pressed into said casing, said nibs being spaced a distance substantially equal to the width of said rocker member to guide sliding movements of the rocker member within said casing.

9. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing

said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, inwardly directed nibs formed on the side walls of said casing and said nibs being selectively engaged by the adjacent rear corners of said rocker member depending on the side of said stop member on which said projection is located, said rear corners of said rocker member being formed with rounded cam surfaces to have a camming action on said nibs and slide past said nibs when said rocker member is pressed into said casing, said nibs comprising opposed inwardly pressed portions on the walls of said casing to engage and guide the sliding of said rocker member in said casing.

10. In combination with a cylinder lock type key having a handle and a shank for insertion in the cylinder of a lock, a key register, comprising a casing having an open end and positioned adjacent one side of the handle with its open end directed toward the shank, means releasably mounting said casing in position on the side of the handle, a spring pressed rocker member rockably mounted within said casing and having one end extended from the open end of said casing to engage against the front face of a lock into the cylinder of which the shank is inserted and cause the rocker member to be retracted into said casing when the shank is completely inserted into the cylinder, said rocker member having a shoulder, a stop member extending from said casing and engaging said shoulder holding said rocker member against complete disengagement from said casing, and a projection from said



shoulder engageable on either side of said stop member for holding said rocker member in a rocked position with its extended end directed toward or away from the shank to indicate whether the lock was open or closed when the key was last removed from the cylinder, whereby when the shank is inserted into the cylinder of the lock the extended end of said rocker member will engage the face of the lock retracting said rocker member into said casing loading the spring of said rocker member and withdrawing said projection into said casing clear of said stop member freeing said rocker member to be rocked while in that retracted position in one direction or the other by reason of its engagement with the lock and the tension on the spring as rotation of the key in one direction or the other is started, said projection being triangular in horizontal cross section.

LOUIS OBERFIELD.


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