March 10, 1936. P. A. BRANTLEY 2,033,875

ANTITAMPERING DEVICE

Filed Feb. 28, 1935

FIG. 1

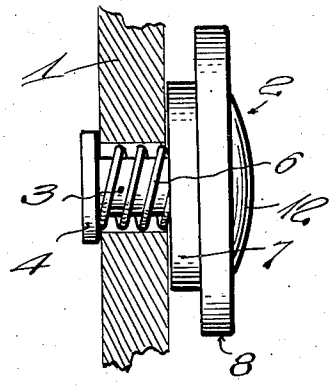


FIG. 2

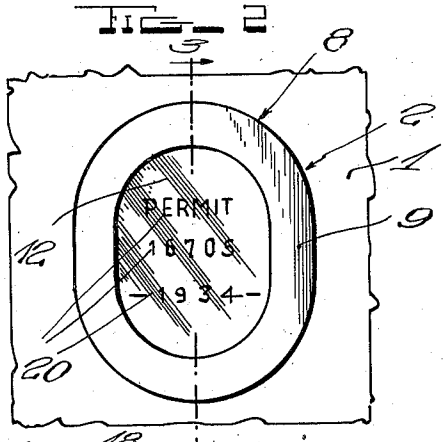


FIG. 3

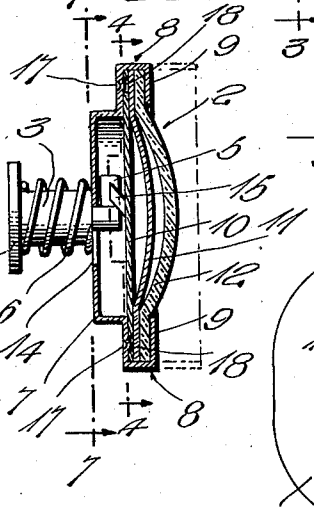


FIG. 4

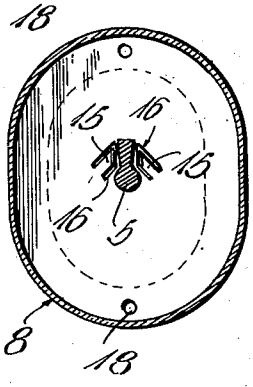


FIG. 5

FIG. 6

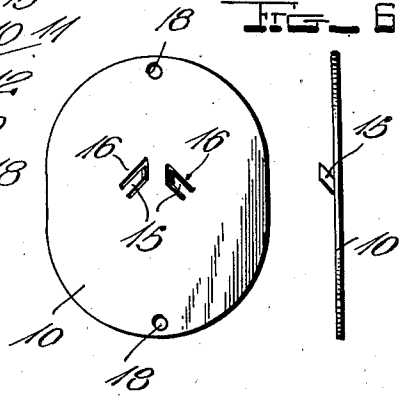


FIG. 7

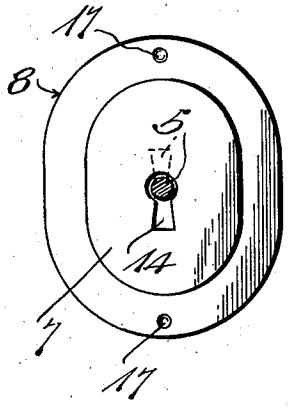


FIG. 8

FIG. 9

FIG. 10



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ANTITAMPERING DEVICE

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Application February 28, 1935, Serial No. 8,742

2 Claims. (Cl. 40—2.2)

My present invention pertains to tampering signals and it contemplates the provision of a simple and inexpensive device that is adapted to be used by utility companies or municipal and federal departments and to be secured to boilers, automobiles, busses, gas or electric meters and the like as a permanent indication of inspection and licensing and when once secured to the intended device cannot be tampered with without totally destroying the device.

The invention is of a nature that when attached to various articles or devices as before referred to, any attempt to unlawfully remove the device or the signal will be apparent upon a regular inspection by utility representative or the like.

Other objects of the invention will be fully understood from the following description and claims when the same are read in connection with the drawing accompanying and forming part of this specification, in which

Figure 1 is a side elevation illustrating my novel device as same appears when attached to a vehicle, meter or other support.

Figure 2 is a front elevation of the device.

Figure 3 is a longitudinal sectional view taken on the line 3—3 of Figure 2 and looking in the direction of the arrows.

Figure 4 is a transverse vertical view taken in the plane indicated by the line 4—4 of Figure 3, and looking in the direction of the arrows.

Figure 5 is a front elevation of the key-locking projection plate.

Figure 6 is an edge elevation of same.

Figure 7 is a transverse vertical section taken in the plane indicated on the line 7—7 of Figure 3 and looking in the direction of the arrows.

Figure 8 is a side elevation of the tumbler.

Figure 9 is a front view thereof.

Figure 10 is a side elevation of a tumbler spring.

Similar numerals designate corresponding parts in all the views of the drawing.

The device may be secured to any support such as 1 and the said device is indicated as a whole by 2 and consists of a tumbler 3 having the collar 4 and spring 6. The tumbler is further provided on one end with an integral key 5 while the spring is adapted to surround the collar and abut at one end against the closure plate 7 and at the opposite end against the collar 4. This spring acts to retain the key in its normal locked position and prevents accidental or casual displacement of the key and tumbler with respect to the closure plate 7.

The closure plate 7 has a peripheral bend at 8 and is provided with an inwardly directed flange 9, so as to embrace or retain the members 10, 11, and 12. The closure plate is provided with a central opening or key slot 14 to receive the key 5 of the tumbler 4 and the plate 10 is provided with projections 15 that are punched from the plate 10 whereby slots are formed at 16 in said plate 10. The plate 7 is provided with projections 17 that engage recesses 18 of the plate 10 whereby casual turning or manipulation of the plate 7 with respect to the plate 10 is prevented. At 20 a card or other device on which a permit, or other writing is printed is positioned. The member 12 is a plate of convex glass and this glass is provided with a flange that is engaged within the bend 8 and flange 9 of the closure plate 7.

In the practical use of the device an opening is bored into a support and the tumbler with the spring surrounding same is inserted thereon. The plate or closure 7 is then positioned so that the opening 14 of the closure 7 passes around the key 5, so as to lock the closure to the support and tumbler. The projections 15 will engage the key 5 so as to prevent removal of the plate due to the fact that the key cannot be brought into the position to unlock the plate from the support. Manifestly the guards and members 10, 11 and 12 are first assembled with respect to the member 7 and the entire assembly secured on the support 1 and the device locked with the key thereby preventing unauthorized tampering with the device. If desired a light or other means may be used to illuminate the license or card as occasion may require.

It will be apparent from the foregoing that the construction is extremely simple and comprises but a minimum of elements and is not liable to become inoperative after a short period of use and any attempt to destroy either the device or the element to which it is attached will be readily apparent to authorized persons.

What I claim is:—

1. In combination, a housing comprising a back member having a cup-shaped central portion and an inwardly opening channel extending from the edge of the open side of the central portion and a front member having its peripheral portion positioned and fitting in said channel, a locking plate in said housing having its peripheral portion fitting in said channel and having locking means thereon projecting toward the central portion of the back member, said central portion having a key-way slot therein lo-

cated so as to be offset with respect to said locking means, and a tumbler comprising a head, a stem extending therefrom and a key portion on the end of the stem, said tumbler being positioned with the head and stem thereof outside of said housing and the key portion thereof extending through said slot and positioned within the housing between the said central portion of the back member and the locking plate, a compression spring on said stem engaging said head and the back member, and said key portion and locking means being so constructed and arranged that the key portion after insertion through said slot and rotation through a predetermined angle is engaged by said locking means and held against rotation in either direction.

2. The combination of a housing comprising a member having a cup-shaped portion and an opening channel extending from the edge of the open side of the portion and a second member formed adjacent the first member and having its peripheral portion positioned and fitting in said channel, a locking plate arranged in the first member and having its peripheral portion fitting in said channel and having locking means thereon extending toward the central portion of the first member; said central portion having a keyway slot therein positioned offset with respect to the locking means, and a tumbler comprising a head, a stem extending therefrom and a key portion formed on the end of the stem, said tumbler portion being positioned with the head and stem thereof outside of the first member and the key portion extending through the slot and positioned within the first member between the central portion of the first member and the locking plate, a compression spring on the stem engaging the head and the first member; said key portion and locking means being so constructed and arranged that the key portion after insertion through said slot and rotation to a predetermined angle is engaged by the locking means and held against rotation in either direction.

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