Sept. 26, 1967 A. B. COCHRAN 3,343,387

DOOR KNOB SHIELD AND LOCK

Filed April 16, 1965

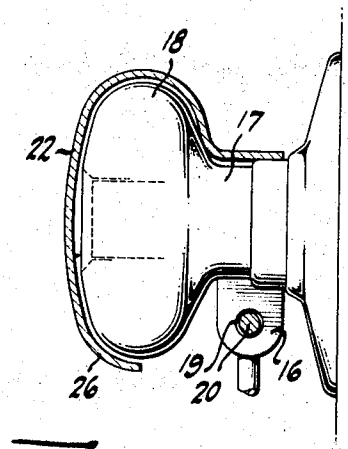


FIG. 1

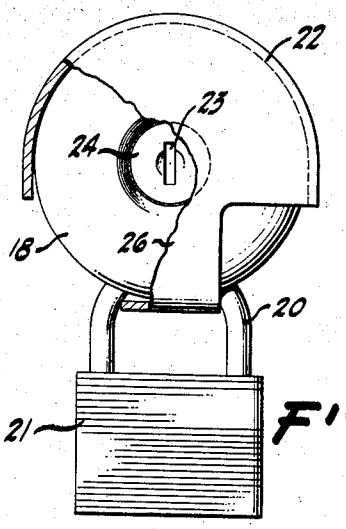


FIG. 2

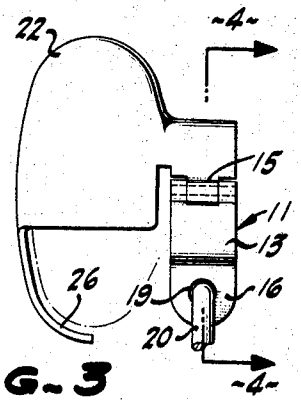


FIG. 3

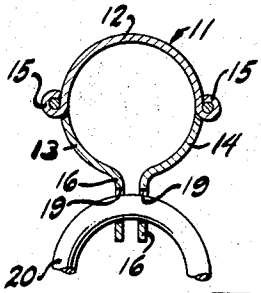


FIG. 4

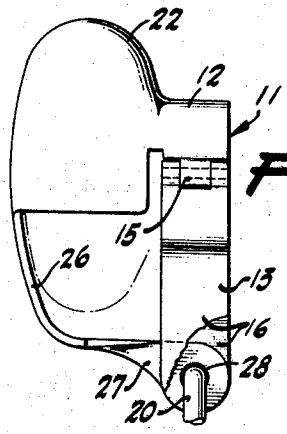


FIG. 5

INVENTOR.
ALDRICH BLAKE COCHRAN
BY
ATTORNEY

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DOOR KNOB SHIELD AND LOCK

Aldrich Blake Cochran, San Francisco, Calif., assignor to Joe Paoli, San Francisco, Calif.

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ABSTRACT OF THE DISCLOSURE

This invention relates to a shield for door knob locks, and particularly to a device arranged to be padlocked onto a knob lock to prevent operation of the knob lock without first unlocking the shield.

Summary of the invention

In terms of broad inclusion, this invention comprises a collar arranged to detachably engage the stem portion of a door knob lock and provide it with a shroud arranged to cover the keyhole of the knob lock. The collar is provided with means engageable by an ordinary padlock for locking the collar and shroud onto the knob.

It is among the objects of this invention to provide a shield which may be locked onto a door knob having locking mechanism of conventional form to prevent operation of the knob lock by key in its normal manner.

It is also an object of the invention to provide an auxiliary locking mechanism which may be detachably applied to the locking knob of a room, such as a hotel or motel room, by an occupant temporarily leaving the room to prevent intrusion or unauthorized entry by persons possessing a key by which the knob lock might otherwise be operated during the occupant's absence.

A further object of the invention is to provide a knob lock shield which may be manufactured economically, which may be easily carried and applied to any knob lock by transient guests of hotels and motels, and which will accommodate an ordinary padlock as an auxiliary locking means.

These and other objects, some of which with the foregoing will be more fully explained in the following specification, are accomplished by means of the device shown in the accompanying drawings forming a part of this specification. The invention of course, is not limited to the illustrative embodiments shown in the drawings as the invention may be otherwise embodied within the scope of the appended claims.

Brief description of the drawings

FIG. 1 is a side elevation of a knob lock embraced by a locking device embodying the present invention, parts being shown in vertical section.

FIG. 2 is a front view of the knob and device shown in FIG. 1, portions being broken away and shown in section.

FIG. 3 is a side elevation of a preferred form of the device.

FIG. 4 is a vertical sectional view of the device, the section being taken upon the line 4—4 of FIG. 3.

FIG. 5 is a side elevational view of a modified form of the device, portions being broken away.

Description of the preferred embodiments

In terms of greater detail the door knob shield and lock of my invention comprises a collar, designated in general by the numeral **11**, formed of a central section **12** and end sections **13** and **14** hinged to the ends of the section **12** by hinges **15**. The free ends of the sections **13** and **14** are shaped to form lugs **16** arranged to be moved

into proximate parallel relation when the collar embraces the stem portion **17** of a knob lock **18**. Openings **19** in the lugs **16** match when the lugs are moved to locking position, and are arranged to receive the loop **20** of a padlock **21** of conventional structure.

A shroud **22** is attached to the collar **11**, preferably as an integral extension formed upon an edge of the central collar section **12**. The shroud **22** is shaped to nest over the knob and cover the keyhole **23** of lock mechanism **24** axially disposed within the knob **18** and stem **17**. Preferably the shroud **22** encircles the upper portion of the knob **18**, and is provided with an extension **26** shaped to extend downwardly and under the lower portion of the knob.

The device is applied to a knob by spreading the end sections **13** and **14** enough to pass over the sides of the stem **17**. At the same time, the shroud is cupped over the knob. The sections **13** and **14** are then moved to position the lugs **16** in proximate parallel relation, and the loop **20** of padlock **21** is inserted through the matching openings **19** for locking the collar onto the stem.

If desired, the lower end of the shroud extension **26** may be extended and shaped to form a locking lug **27** having an opening **28** matching with the openings **19**, the loop of the padlock being inserted through the matching openings for locking the shroud to the collar lugs, as shown in FIG. 5 of the drawings.

The collar and shroud may be made of any suitable material and in varying designs to fit various types and sizes of knob locks. Preferably the device is made of metal of a thickness sufficient to resist normal forces which might be applied to displace the device from the knob. At the same time the device should be sufficiently light and compact to be conveniently carried in the luggage of a traveler, so as to be available for use on the knobs of hotel or motel doors.

I claim:

1. A shield for door knobs having key actuated lock mechanism extending axially therethrough with a key hole in the outer end of the knob comprising a collar formed as a center section of substantially semi-circular shape arranged to seat upon a stem portion of a knob between the knob and a door, and a pair of end sections of substantially quadrant shape pivotally hinged to the ends of the center section and arranged to substantially encircle said stem a shroud attached to the center section of the collar and shaped to extend over the keyhole when the collar embraces the stem; and means upon opposing end sections of the collar arranged to be engaged by separate locking means operable to lock the collar and shield onto the knob.

2. A shield for a door knob as defined by claim **1** wherein said end sections of the collar are provided with lugs movable into proximate position and having matching openings adapted to be engaged by a padlock for locking the shield into the knob.

3. A shield for a door knob as defined by claim **1** wherein said end sections of the collar are provided with lug portions movable into substantially parallel relation and the shroud being provided with a lug arranged to be moved into matching relationship with the lug portions of the collar; said lug and lug portions having openings formed therein and arranged to be alined for engagement by a padlock for locking the shield onto the knob.

4. A shield for a door knob as defined by claim **1** wherein the outer ends of said end sections are shaped to form lugs moveable into proximate parallel relationship and having openings registering to receive a padlock by which the collar may be locked in embracing engagement with the stem, the shroud being attached to the center section and being provided with an extension moveable

to a locking position between the lugs and having an opening arranged to register with the openings of said lugs.

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BOBBY R. GAY, *Primary Examiner.*