

S. A. DEANES.
THEFT PREVENTING AND SIGNALING DEVICE.
APPLICATION FILED FEB. 16, 1917.

1,241,934.

Patented Oct. 2, 1917.

3 SHEETS—SHEET 1.

Fig. 1.

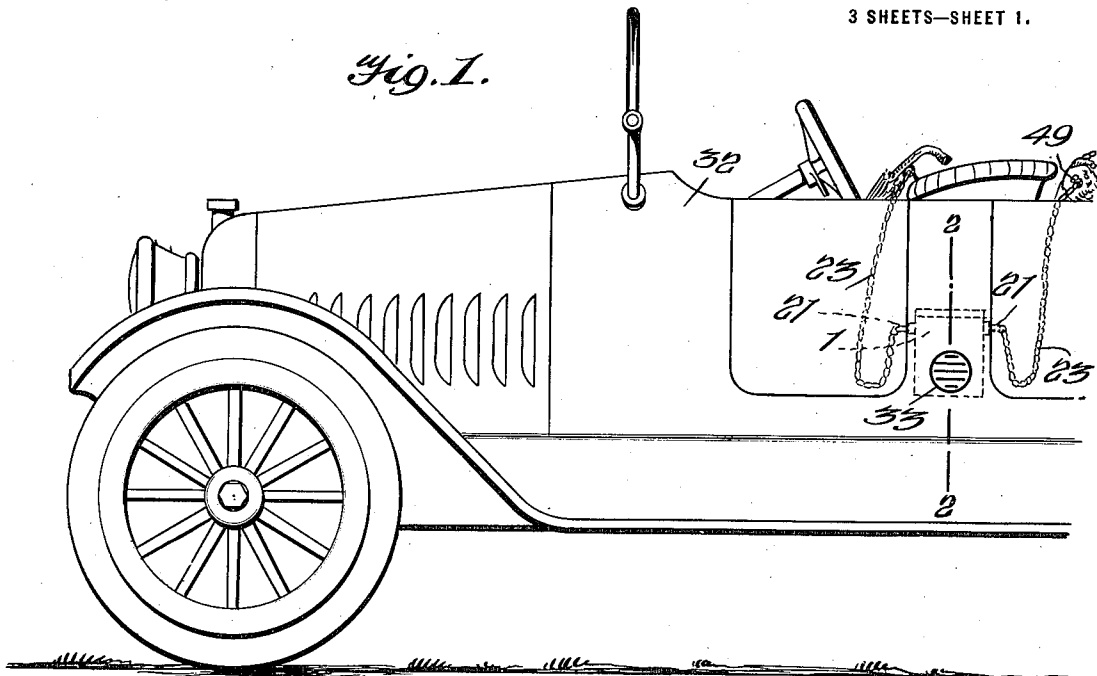


Fig. 2.

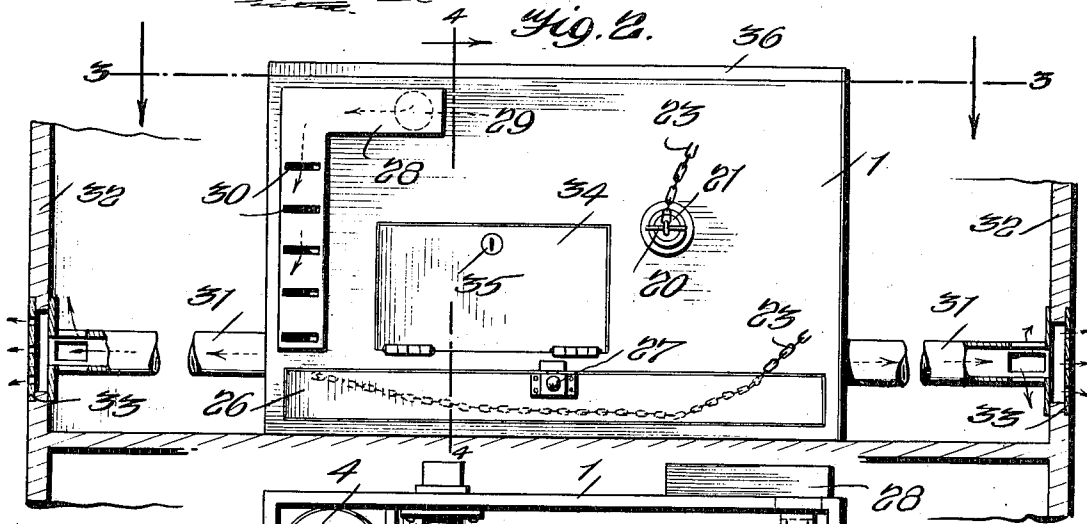
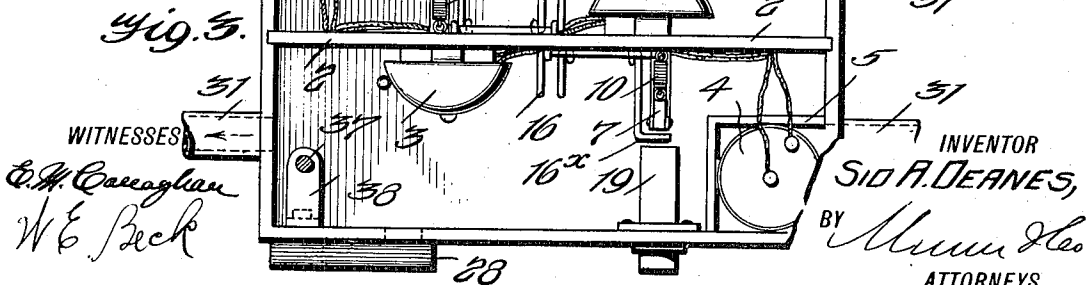


Fig. 3.



WITNESSES

C. H. Casagrande
W. E. Beck

INVENTOR

SID A. DEANES,

BY *M. H. Ho*
ATTORNEYS

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Fig. 4.

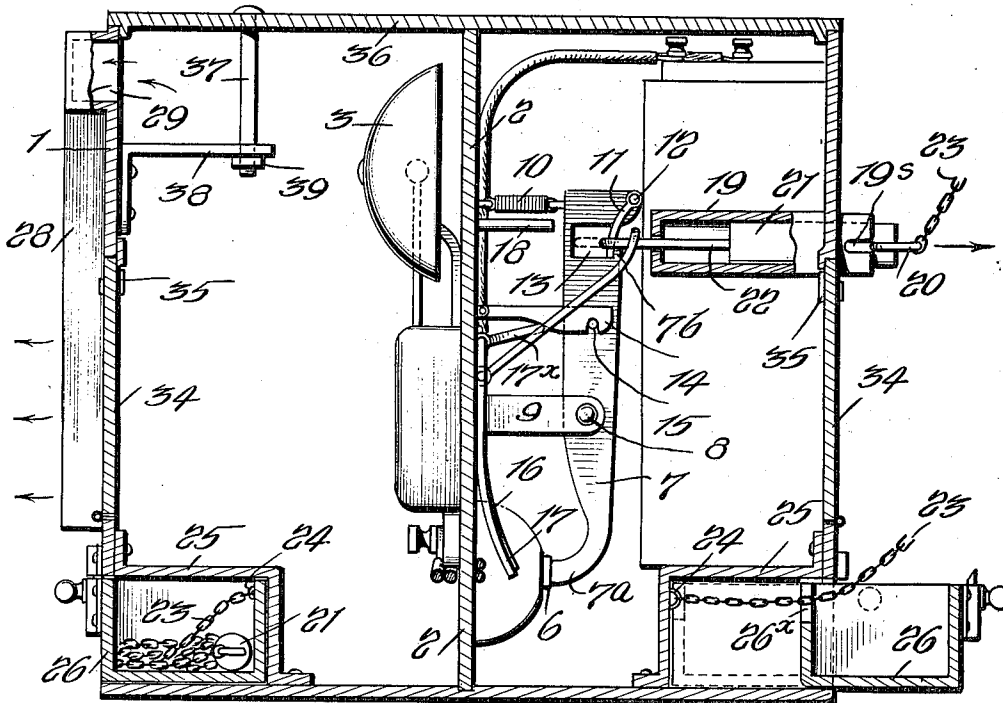
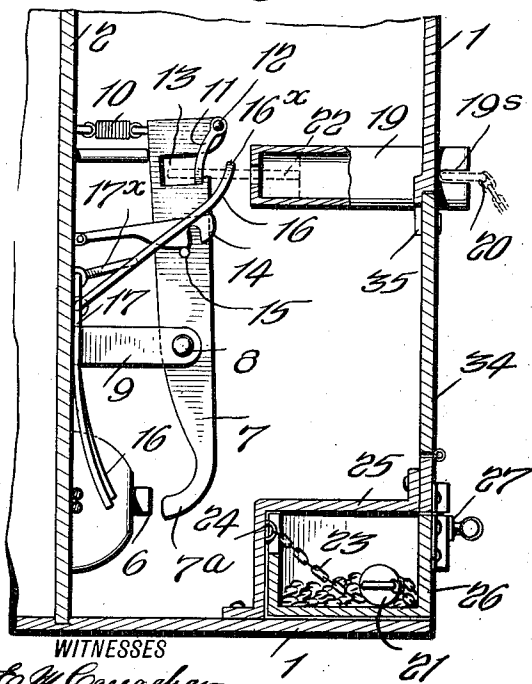


Fig. 5.



WITNESSES

E. H. Cunningham

W. E. Beck

Fig. 6.

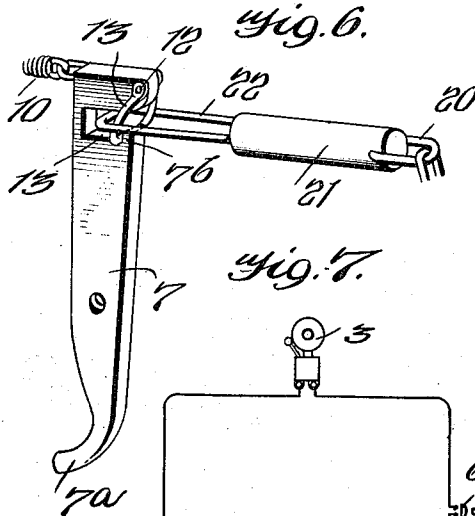
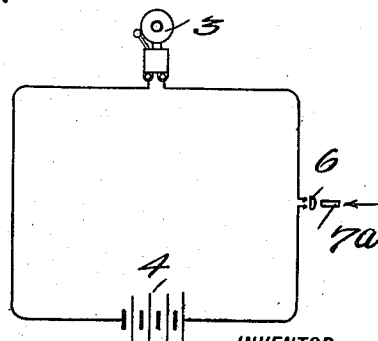


Fig. 7.



INVENTOR

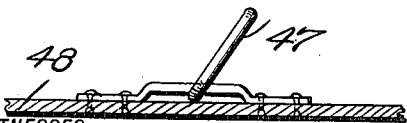
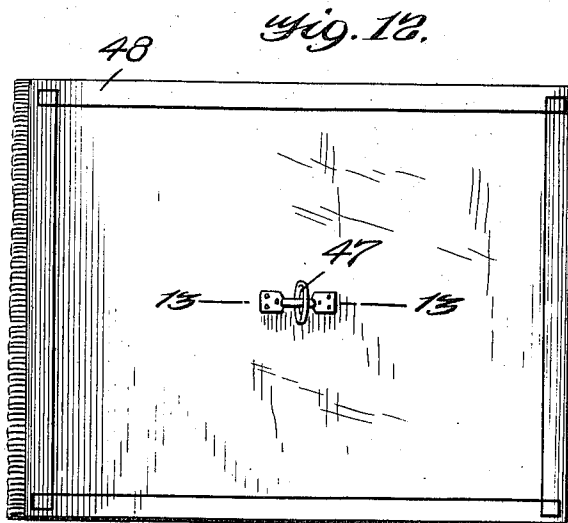
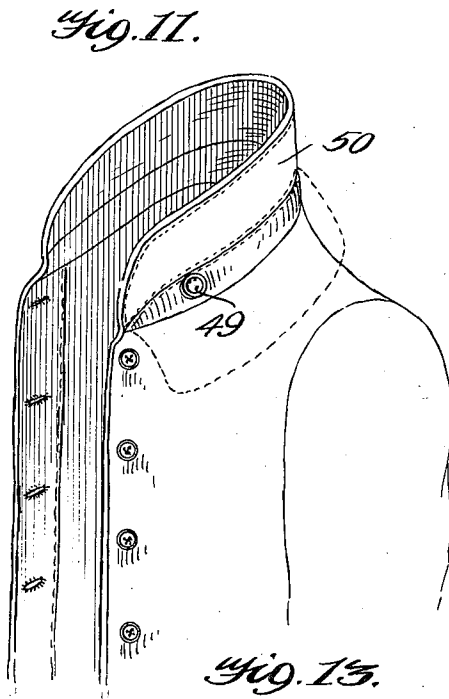
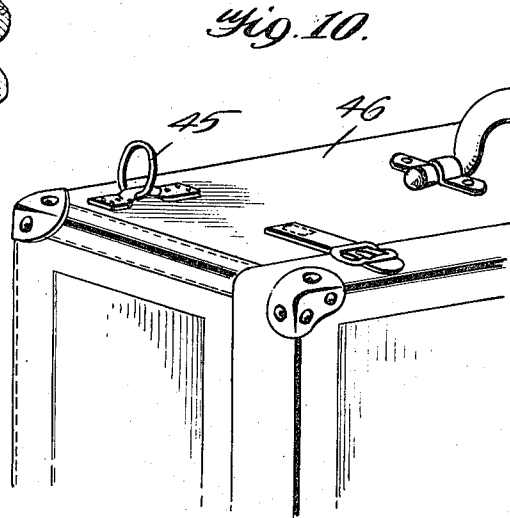
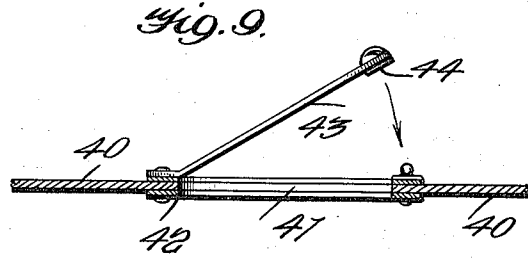
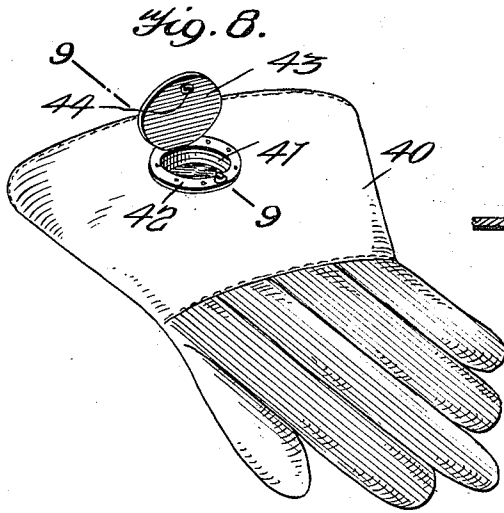
SID A. DEANES,

BY *Mum & Co.*
ATTORNEYS

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3 SHEETS—SHEET 3.



WITNESSES
C. W. Cunningham
W. E. Beck

INVENTOR
SID A. DEANES,
BY *Mum & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

SID A. DEANES, OF WEST POINT, MISSISSIPPI.

THEFT PREVENTING AND SIGNALING DEVICE.

1,241,934.

Specification of Letters Patent.

Patented Oct. 2, 1917.

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To all whom it may concern:

Be it known that I, SID A. DEANES, a citizen of the United States, and a resident of West Point, in the county of Clay and State of Mississippi, have invented a new and useful Improvement in Theft Preventing and Signaling Devices, of which the following is a specification.

My invention relates to improvements in theft preventing and signaling devices, and it consists in the combinations, constructions and arrangements herein described and claimed.

An object of my invention is to provide a device which may be used in connection with automobiles by means of which theft may be prevented of overcoats, gloves, dress suit cases, umbrellas and the like.

A further object of my invention is to provide an audible signal when an attempted theft takes place, thus calling the attention of the owner or driver of the vehicle to the attempt.

A further object of my invention is to provide a signaling device which will be set going when the theft is attempted and which will continue to ring until it is manually stopped.

A further object of my invention is to provide a device of the type described which may be so disposed in an automobile, that articles in the front seat and in the rear seat as well, may be readily protected.

Other objects and advantages will appear in the following specification and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which,

Figure 1 is a perspective view of an automobile with my improved device applied thereto,

Fig. 2 is an enlarged section on the line 2—2 of Fig. 1,

Fig. 3 is a section along the line 3—3 of Fig. 2,

Fig. 4 is a section along the line 4—4 of Fig. 2,

Fig. 5 is a section somewhat similar to Fig. 4, but showing the parts in another position,

Fig. 6 is a perspective view of the contact lever and the plug,

Fig. 7 is a diagrammatic view of the electric circuit,

Fig. 8 is a perspective view of a glove arranged for use with my improved device,

Fig. 9 is a section along the line 9—9 of Fig. 8,

Fig. 10 is a perspective view of a suit case arranged for use with my device,

Fig. 11 is a perspective view of an overcoat arranged for use with my improved device,

Fig. 12 is a face view of a robe arranged for use with my device,

Fig. 13 is a section along the line 13—13 of Fig. 12.

In carrying out my device I provide a box or casing 1. This box or casing is provided in the present instance with a removable partition 2 so as to divide the box into two compartments. Each of these compartments has a separate signaling device. Both of these signaling devices being alike, a description of one will suffice for the two.

Referring particularly to Figs. 3, 4 and 5 it will be seen that each compartment is provided with an electric bell 3 and a dry battery 4 which is disposed in one corner of the compartment and held in position by a casing 5. A push button 6 is provided which is adapted to be engaged by the end 7^a of a lever 7 in the manner hereinafter described. This lever 7 is pivoted at 8 on a bracket 9 secured to the partition 2. The upper end of the lever is normally held by means of a spring 10 so that the lower end remains out of contact with the push button 6. A U-shaped stirrup 11 is pivoted at 12 to the upper end of the lever 7 so as to swing back and forth in a recess 13 in the lever. The lower end of this stirrup engages a shoulder 7^b on the lever 7. A pivoted hook 14 is arranged to engage a pin 15 carried by the lever 7 in certain positions of the latter. A lever 16 is pivoted at 17 and has an end 16^{*} which projects transversely with respect to the stirrup 11, the lower end of this lever being bent outwardly as shown in Figs. 3, 4 and 5. The outward movement of the lower end of the lever 16, i. e. a movement away from the partition 2, will bring the upper end of the lever 16 into engagement with the stirrup 11, and cause the latter to swing inwardly in the recess 13. A lever 17 is also pivoted on the partition 2 and its bent end

17* extends just underneath the hook 14. When the lower end of the lever 17 is swung outwardly it lifts the hook 14. A stop member 18 limits the inward movement of the upper end of the lever 7. At a point opposite the stirrup 11 a sleeve 19 is disposed, the end of this sleeve projecting slightly beyond the outside of the box or casing, the outside portion being slotted as shown at 19^a for the purpose of admitting the bail 20 of a plug 21 which is designed to enter the sleeve. The opposite end of the plug is provided with a wire loop 22 which is adapted to extend forward through the end of the sleeve and into the recess 13 in the lever 7.

Secured to the bail 20 of the plug 21 is a chain 23 preferably of nickel steel. The opposite end of this chain is secured to a ring 24 which is fastened within a small casing 25 at the bottom of the large box or casing 1. A drawer 26 is disposed within the casing 25 and is arranged to normally contain the chain 23 and the plug 21. The drawer has an opening 26* through which the chain passes and into which the ring 24 projects. Normally the drawer is closed by means of a latch 27 but it may be opened as shown in Fig. 4 when the plug and chain may be removed.

In Fig. 7 I have shown diagrammatically the electric circuit in which the battery 4 is connected with a contact of the push button 6 on one side and with a bell 3 on the other, the bell also being connected to a contact of the push button.

In order to prevent muffling of the signal I arrange a tube 28 which communicates with the interior of the box 1 at 29, see Fig. 2. This tube is provided with openings for permitting the sound to escape, and communicates with a pipe or tube 31 which extends to the side 32 of the automobile, the opening in the side being covered by a perforated plate 33.

The casing 1 is provided with a hinged door 34 having a lock 35. By opening the door access may be had to the interior of the device. A cover 36 is secured by means of bolts 37 which enter brackets 38 on the interior of the casing 1 and which bear nuts 39.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood.

Articles such as umbrellas, overcoats, gloves, robes, dress suit cases and the like which form the subject of numerous thefts may be protected by providing these articles with retaining means through which the plug 21 and chain 23 may be passed. Thus in Fig. 8 I have shown a gauntlet 40 of a glove having an opening 41 therein surrounded by a metal binding 42 and having a flap 43 which may be secured in position by a snap 44. The chain may be passed

through the opening 41 when the flap 43 is raised.

In Fig. 10 a ring 45 is shown secured to the suit case 46 and in Fig. 12 a ring 47 is similarly secured to the robe 48. In Fig. 11 a metal rimmed opening 49 is made in the collar 50 of the overcoat, this opening being normally concealed when the collar is turned down, but being large enough to permit the entrance of the plug and the chain. The articles which are to be protected from theft are secured by means of the chain and then the plug is thrust through the sleeve 19. The wire loop 22 pushes aside the stirrup 11 which is of less width, and the stirrup then drops into the loop thus locking the plug in position. The position of the parts when the devices are left thus protected is that shown in Fig. 5 in which it will be observed that the lever 7 is out of contact with the push button 6. If now an attempt is made to tamper with the chain or to remove the articles which are secured thereby, this movement will pull the plug forwardly. The end of the loop 22 will engage the stirrup 11 and pull it against the shoulder 7^a, see Fig. 4, thus bringing the lower end of the lever 7 into contact with the push button 6 and ringing the bell. In the position shown in Fig. 4 the locking hook 14 has engaged the pin 15, thus holding the lever 7 in position to ring the bell continuously until the owner of the vehicle or the driver returns. On returning the owner thrusts his key into the lock 35 of the door 34, see Fig. 2, opens the doors and pulls the lever 17 forwardly. This releases the catch 14 and permits the spring 10 to restore the lever 7 to the position shown in Fig. 5.

As soon as the end 7^a of the lever 7 leaves the push button 6 the bell stops ringing. The owner now pushes inwardly on the plug 21 so as to give the stirrup 11 room to swing and then pulls outwardly on the lower end of the lever 16, thus forcing the stirrup off from the end of the loop 22 when the plug may be withdrawn and the articles thus secured may be removed from the chain. The chain may now be replaced in the drawer 26 and the latter may be closed.

As will be seen from Fig. 1 the box 1 is placed in such position that access may be had to it from the rear seat or from the front seat. One compartment is designed to carry a chain for the articles in the rear seat and the other compartment has a similar device for the articles in the front seat.

Ordinarily articles such as those above enumerated are stolen by persons who work rapidly and disappear quickly. The present invention prevents such theft, since the ordinary thief is not provided with means of cutting or severing the various devices by means of which the articles are secured.

The fact that the signal keeps sounding until it is shut off and that there is no way for the thief to shut off the sound of the signal adds to the effectiveness of the device since
 5 the average thief will discontinue his efforts as soon as the signal begins to sound when he realizes he cannot stop it.

I claim:—

1. In a theft preventing and signaling device for automobiles, a casing, an electric
 10 bell disposed within the casing, a lever carried by the casing, the upper end of the lever having a movable latch member, a sleeve carried by the casing, a chain secured
 15 to the casing at one end, a plug secured to the opposite end, said plug having a loop being arranged to enter the sleeve, said loop being engaged by the latch on said lever, contacts carried by said casing and arranged
 20 to be engaged by a movement of said lever when outward tension is applied to the plug.

2. In a theft preventing and signaling device for automobiles, a casing, an electric
 25 bell disposed within the casing, a lever carried by the casing, the upper end of the lever having a movable latch member, a sleeve carried by the casing, a chain secured to the casing at one end, a plug secured to the op-
 30 posite end, said plug having a loop being arranged to enter the sleeve, said loop being engaged by the latch on said lever, contacts carried by said casing and arranged to be engaged by a movement of said lever when
 35 outward tension is applied to the plug, and a locking lever arranged to engage a portion of said first-named lever for holding the bell circuit closed.

3. In a theft preventing and signaling de-

vice for automobiles, a casing, an electric
 40 bell disposed within the casing, a lever carried by the casing, the upper end of the lever having a movable latch member, a sleeve carried by the casing, a chain secured to the casing at one end, a plug secured to
 45 the opposite end, said plug having a loop being arranged to enter the sleeve, said loop being engaged by the latch on said lever, contacts carried by said casing and arranged to be engaged by a movement of said lever
 50 when outward tension is applied to the plug, a locking lever arranged to engage a portion of said first-named lever for holding the bell circuit closed, and means including a re-
 55 lease lever for moving the latch member to free the loop of the plug thereby permitting the withdrawal of the latter.

4. In a theft preventing and signaling device for automobiles, a casing, an electric
 60 bell disposed within the casing, a lever carried by the casing, the upper end of the lever having a movable latch member, a sleeve carried by the casing, a chain secured to the casing at one end, a plug secured to the op-
 65 posite end, said plug having a loop being arranged to enter the sleeve, said loop being engaged by the latch on said lever, contacts carried by said casing and arranged to be engaged by a movement of said lever when
 70 outward tension is applied to the plug, a locking lever arranged to engage a portion of said first-named lever for holding the bell circuit closed, and a lever arranged to engage the locking lever for releasing the
 75 latter, thereby causing the breaking of the bell circuit.

SID A. DEANES.