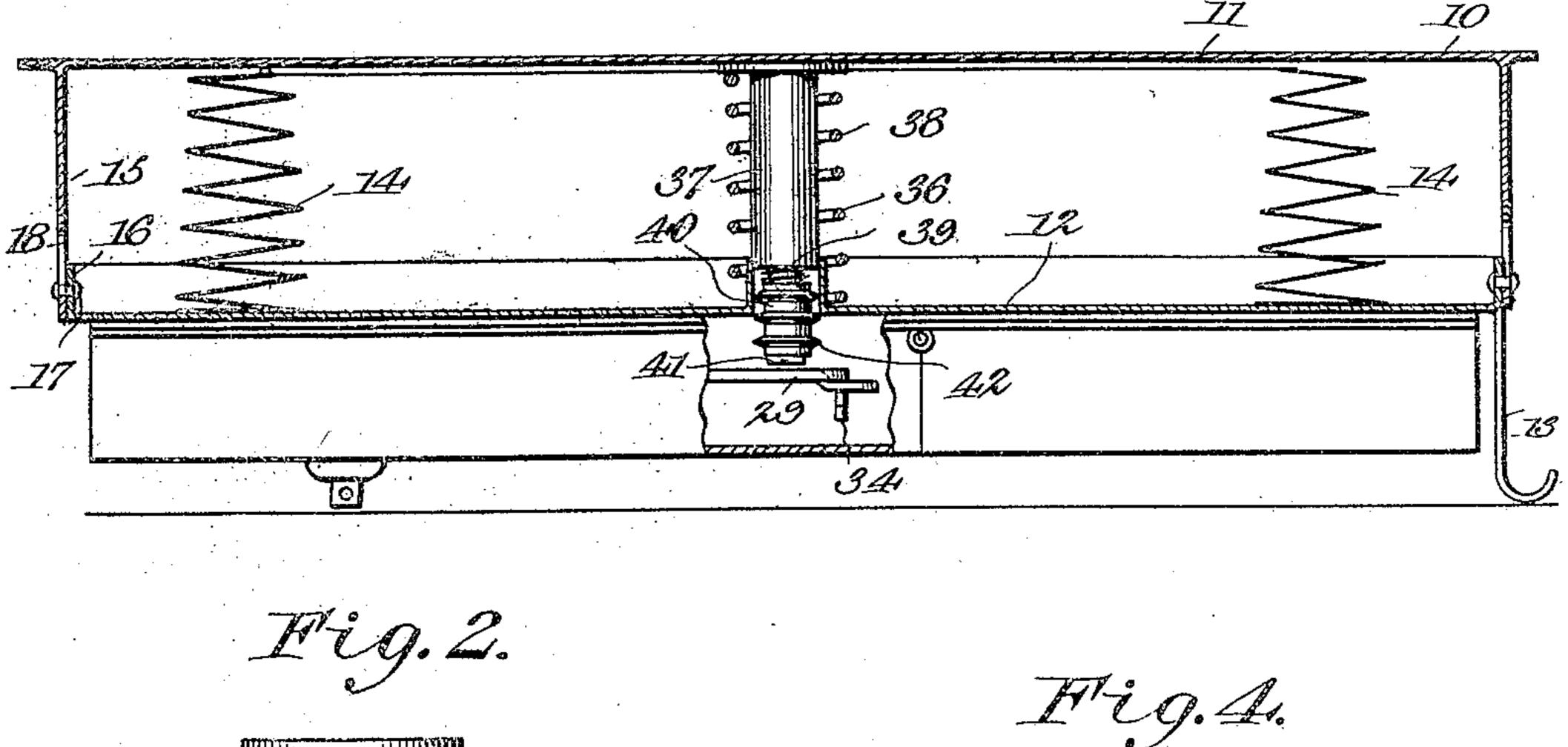
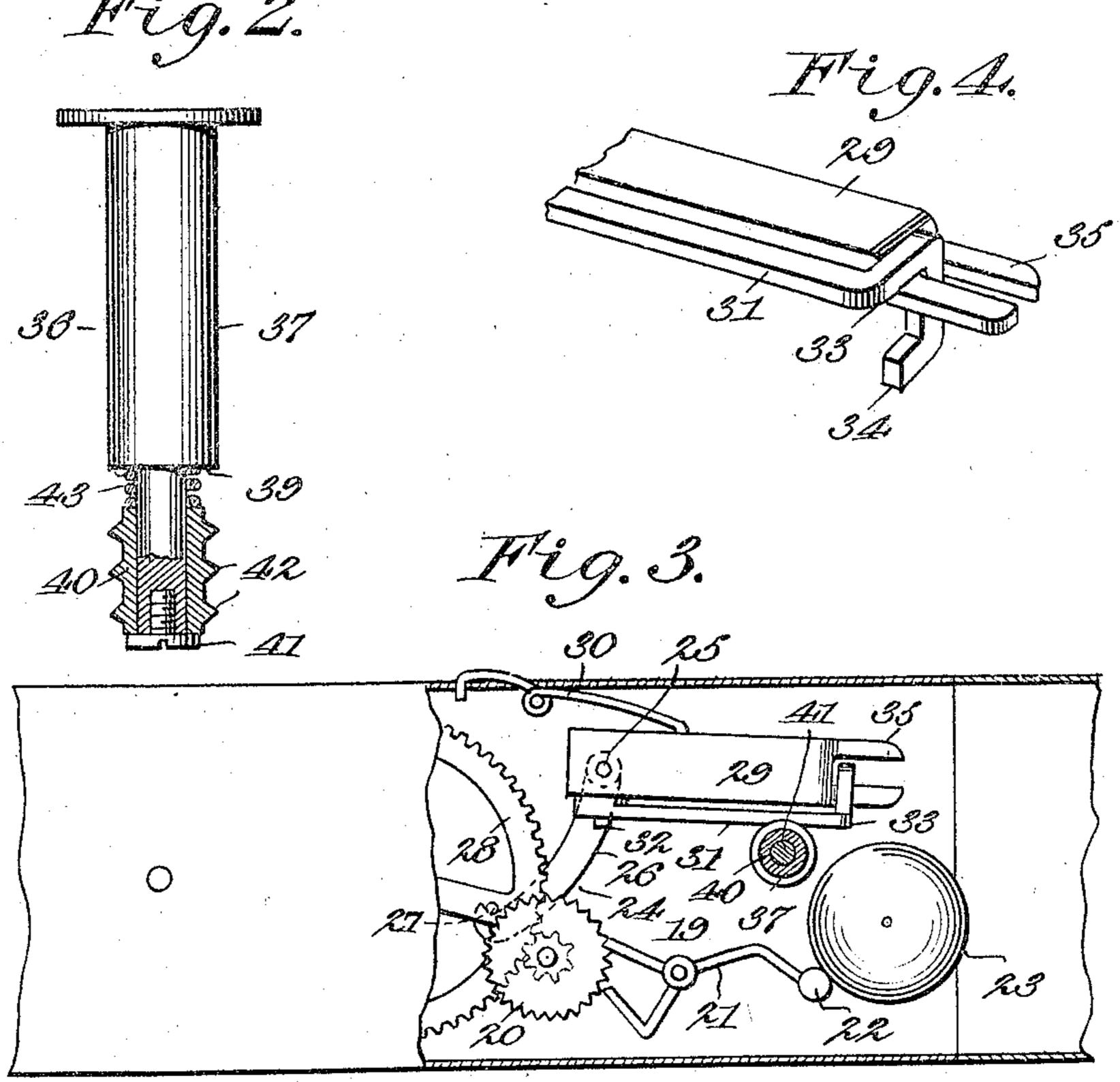
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SIGNAL DEVICE.
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Fig. 1.





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SIGNAL DEVICE.

Application filed March 18, 1922. Serial No. 544,886.

To all whom it may concern:

citizen of the United States, residing at present instance the alarm 19 comprises ac-New York, in the county of New York and tuating mechanism 20 including an escape- 60 5 State of New York, have invented new and ment 21 which wields a striker 22; a bell useful Improvements in Signal Devices, of which the following is a specification.

This invention relates to signalling devices.

Some of the objects of the present invention are: to improve the device shown in the United States Patent No. 1,163,491, granted to me in jointure; to provide alarm actu-15 repeatedly at intervals in a more reliable which is pivoted to the arm 29 as at 32, and 20 trated in the accompanying drawing, in end of the arm 29. which:

vice of the present invention.

25 view of the alarm mechanism actuating trally of the part 12 of the support 10, and means.

alarm mechanism.

30 the two-part arm forming a part of the tween which and the part 12, is a spring 38 alarm mechanism.

35 parts, it will be apparent that, there has screw 41 prevents the member 40 from slipthe part 11 a container such as a drip pan is actuated by a spring 43 which surrounds 95 40 which receives an ever increasing weight the reduced end of the member 37, and of water. In use the part 12 of the sup- which is arranged between the shoulder 39 port 10 is stationary with respect to the and the adjacent end of the member 40. part 11 which is yieldingly mounted on the Under the normal relation of the parts 11 45 yieldingly mounting the part 11 on the part member 37 touches the top of part 11, 12. The parts 11 and 12, in the present and the lowermost cam-rib 42 is some disinstance, are preferably made of metal and tance above the member 31. Weight, such are round. The part 11 has a flange 15 as water in a drip pan placed on the part and the part 12 has a flange 16. Pins 17 11 will cause the said part 11 to move 105 and slots 18 of the flanges 16 and 15 re- downwardly causing the lowermost cam-rib spectively limit the upward movement of 42 to encounter the member 31 with the rethe part 11 with respect to the part 12 sult that the member 31 and the arm 29 to

55 of the support 11 is an alarm, similar to the the pivot 25 which causes the arm 26 to alarm shown in the said patent granted to move out of engagement with the pin 27

me, in that it is made up of a pair of hinged Be it known that I, Benjamin Weiss, a sections, and in that it has a trip. In the 23; and escapement stopping and releasing means 24. The escapement stopping and releasing means 24 comprises a pivot 25; an arm 26 connected to the pivot 25; a pin 27 65 carried by a gear 28 which intervenes the power unit and the escapement of the actuating mechanism; an arm 29 which is attached to pivot 25, the said arm 29 being ating means which will actuate the alarm actuated by a spring 30; and a member 31 70 manner. With these and other objects in which has pivotal movement within cerview the invention resides in the particu- tain prescribed limits by reason of the porlar provision, construction and operation of tions 33 and 34 at the end of the member parts hereinafter fully described and illus- 31 which engage the furcations 35 at the 75

Means 36 is employed for effecting the op-Figure 1 is a sectional view of the de- eration of the alarm actuating mechanism. In the present instance the means 36 con-Figure 2 is an enlarged detail sectional sists of a member 37 which is arranged cen- 80 the said member 37 is movable through an Figure 3 is a sectional plan view of the opening in the part 12 which is surrounded by a boss which acts as a guide. The up-Figure 4 is a detail perspective view of per end of the member 37 has a head, be- 85 which surrounds the member 37. The lower Referring now more particularly to the end of the member 37 is reduced to provide several views of the drawing for all of the a shoulder 39. A member 40 is arranged details of construction and operation of the on the reduced end of the member 37. A 90 been shown a support 10 which comprises ping off of the said reduced end. The mema part 11 and a part 12 having suitable feet ber 40 has a plurality of cam-ribs 42, pref-13. In use the support 10 has positioned on erably three in number. The member 40

part 12. Springs 14 are employed for and 12 of the support 10, the head of the 100 Attached to the underside of the part 12 Which it is connected will move laterally.

The lateral movement of the arm 29 turns 110

erate. The operation of the escapement ef- counter and move said pivotally mounted fects the wielding of the striker 22 and member. therefore the ringing of the bell 23. And 5 so the cycle of operations is repeated by yieldingly mounted element and a relatively the other two cam-ribs 42 encountering the member 31. The fact that the member 31 is allowed to have pivotal movement and the fact that the member 40 is yieldingly 10 mounted insures the successive operations of 11 is increased. In the interval of cam- upon the movement of the yieldingly mountrib engagements, the arm 26 is in engage- ed element for effecting the movement of ment with the pin 27 of the gear 28 holding said pivotally mounted members to operate 15 the latter against rotation and consequently said alarm device repeatedly at predetermeans 24. Under the arrangement and op- yieldingly mounted member having spaced ed at three intervals. Of course any num-said pivotally mounted members. 20 ber of cam-ribs 42 may be employed to 3. In combination a support comprising a desired.

that the device of the present invention is by said stationary element, the said alarm 25 capable of being used for other purposes be- device including escapement mechanism havfilled with water.

What is claimed is:

1. In combination a support comprising a movable element and a relatively stationary mounted members connected to said arm; 70 element, an alarm device carried by said and means operable upon the movement of stationary element, said alarm device including a spring actuated arm and a member leasing said escapement mechanism and al-35 pivotally mounted on said arm, and means lowing the said first means to stop said operable upon the movement of said mov-escapement mechanism. able element for effecting the movement of In testimony whereof I hereby affix my said spring actuated arm to operate said signature. alarm device, the said means including a

with the result that the escapement will op-member having spaced cam-ribs which en- 40

2. In combination a support comprising a stationary element upon which the first ele- 45 ment is mounted, an alarm device carried by said stationary element, said alarm device including a pair of pivotally mounted members one of which has movement with the alarm as the weight applied to the part respect to the other, and means operable 50 preventing the operation of the escapement mined intervals, the said means including a 55 eration of the parts the alarm will be sound- cam-ribs which encounter and move one of

sound the alarm as many times as may be yieldingly mounted element and a relatively 60 stationary element upon which the first ele-From the foregoing it will be manifest ment is mounted, an alarm device carried sides giving a warning signal that the drip ing a bell striker, and means for stopping 65 pan of a refrigerator is partly or nearly and releasing said escapement mechanism; said means including a gear having a pin, an arm adapted to be moved in the path of travel of said pin, and a pair of pivotally said yieldingly mounted element for re-

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