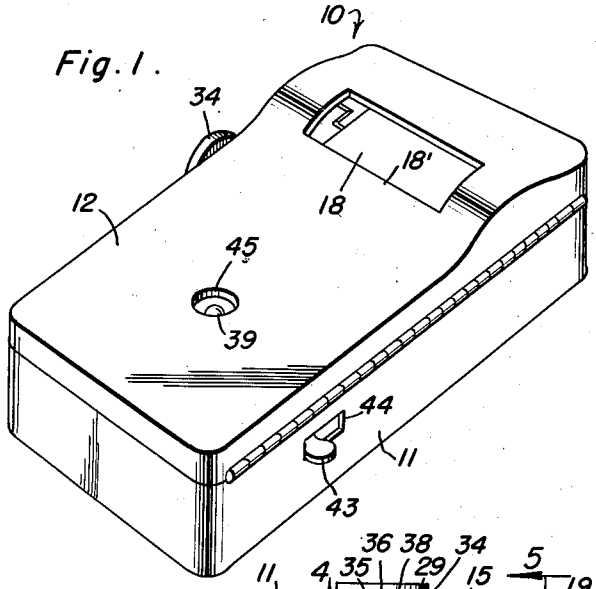
May 2, 1950 V. M. SORRELLS 2,506,113

ILLUMINATED RECORD HOLDER

Filed Dec. 19, 1947

Fig. 1.



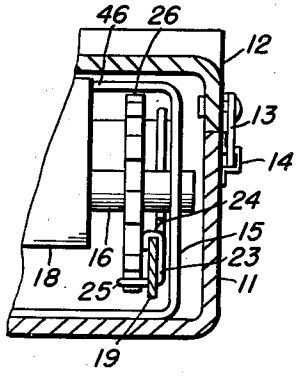


Fig. 5.

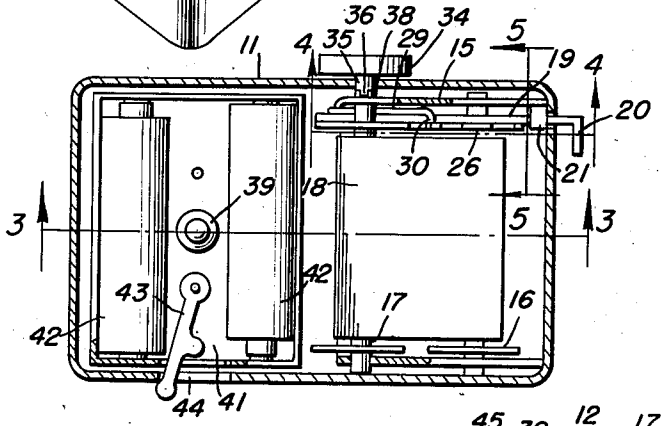
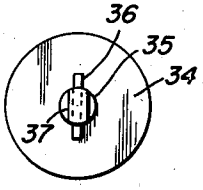


Fig. 2.

Fig. 6.



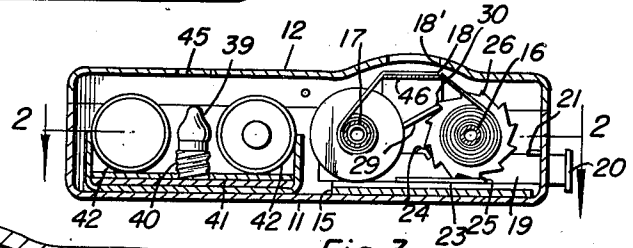
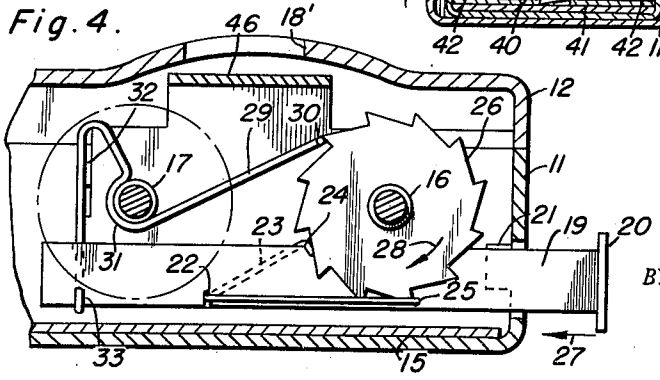


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE

2,506,113

ILLUMINATED RECORD HOLDER

Victor M. Sorrells, Little Rock, Ark

Application December 19, 1947, Serial No. 792,713

4 Claims. (Cl. 281—8)

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This invention relates to new and useful improvements and structural refinements in illuminated record holders, and the principal object of the invention is to provide a device of the character herein described, such as may be conveniently employed by newspaper carrier boys, delivery men, collection agents, and the like, as a reminder, so to speak, for the calls which they are to make on their route.

A further object of the invention is to provide a record holder which, being illuminated, is particularly adapted for use at night.

Another object of the invention is to provide an illuminated record holder which is simple in construction and which may be easily and conveniently manipulated.

An additional object of the invention is to provide an illuminated record holder which will readily lend itself to economical manufacture, which may be easily carried in the pocket or purse of the user, and which is otherwise well adapted for the purpose for which it is intended.

With the above more important objects in view, and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the invention;

Figure 2 is a cross sectional view, taken substantially in the plane of the line 2—2 in Figure 3;

Figure 3 is a cross sectional view, taken substantially in the plane of the line 3—3 in Figure 2;

Figure 4 is a cross sectional view, taken substantially in the plane of the line 4—4 in Figure 2;

Figure 5 is a cross sectional view, taken substantially in the plane of the line 5—5 in Figure 2, and

Figure 6 is an end view of a winding knob used in the invention.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of an illuminated record holder designated generally by the reference character 10, the same embodying in its construction a housing 11 provided with a hinged cover 12, the latter being equipped with a pivoted dog 13 which is engageable with a catch 14 on the housing 11, whereby the cover is releasably prevented from opening, as will be clearly understood.

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A bracket-shaped frame 15 is provided in one end portion of the housing 11, this frame accommodating a pair of rotatable spools 16, 17. A record strip or tape 18 is windable upon the spools, a portion of the tape being visible through a rectangular sight opening 18' formed in the cover 12.

Means are provided for rotating the spool 16 so as to wind the tape 18 thereon, said means consisting of a reciprocable plunger 19 which extends outwardly from the housing 11 and is equipped at the outer end thereof with a finger piece 20, the reciprocating movement of the plunger being guided by a suitable bracket or brackets 21 within the housing 11. The inner end portion of the plunger 19 is formed with a notch constituting a seat 22 for a resilient rod 23, one end portion of which is anchored on the plunger 19 as indicated at 24, while its remaining end portion forms what may be referred to as an angulated driving dog 25. This dog engages a ratchet 26 provided on the spool 16, and it will be apparent that each time the plunger 19 is pressed inwardly in the direction of the arrow 27, motion will be imparted to the ratchet 26 and to the spool 16, as at 28. Moreover, alternate inward and outward movement of the plunger will impart intermittent, unidirectional rotary motion to the spool 16, and as a result, the tape 18 will be drawn from the spool 17 onto the spool 16 past the opening 18', so that inscriptions on the tape become progressively visible through the opening 18', as will be clearly apparent.

Means are also provided for preventing rotation of the spool 16 in a direction opposite to that indicated by the arrow 28, said means consisting of a resilient rod 29, one end portion of which is angulated to form a check dog 30 in engagement with the ratchet 26, while the intermediate portion of the rod 29 is provided with a substantially semi-circular detent which frictionally engages the spool 17, as indicated at 31. The rod 29 also bears against the aforementioned frame 15 as at 32, and the remaining end portion of the rod is angulated and suitably anchored to the plunger 19 as at 33. It will be apparent from the foregoing that the rod 29 performs a triple function, firstly, checking the rotation of the spool 16 by means of the dog 30 as already explained, secondly, providing what may be referred to as a tensioning device for the spool 17 by virtue of the semi-circular detent 31, so that the possibility of slackness of the tape 18 is prevented, and thirdly, providing an additional guide at 33 for the reciprocable plunger 19, and at the

same time, returning the plunger to its starting position after it has been depressed.

The tape 18 may be wound back onto the spool 17 from the spool 16 by means of a knurled knob 34 equipped with a shank 35 which is rotatable in the housing 11 and is retained in position thereon by means of a diametrically extending pin 36. The inner end of the shank 35 terminates in a diametrical protuberance or dog 37 which is separably engageable with a diametrical groove or socket 38 formed in one end of the spool 17. It is to be noted that when the knob 34 is rotated to rewind the tape, the frictional engagement of the detent 31 with the spool 17 will swing the free end portion of the rod 29 so as to disengage the dog 30 from the ratchet 26, thus facilitating rotation of the spool 16 during rewinding of the tape. Needless to say, when the plunger 19 is in its full outwardly slid position, the driving dog 25 does not engage the ratchet 26, so that the spool 16 is free to rotate for rewinding purposes.

By simply removing the pin 36 and thereafter removing the knob 34 with the shank 35 from the housing 11, the entire frame 15 together with the spools 16, 17 may be removed from the housing for the purpose of changing the tape 18, if so desired. On the other hand, the tape 18 may be changed while the frame 15 is within the housing.

Means are provided for illuminating the tape 18, said means consisting of an incandescent lamp 39 mounted in a socket 40 which, in turn, is provided on a base 41 positioned in the housing 11. This base also carries a pair of dry cells 42, the latter being in circuit with the lamp 39 through the medium of a suitable switch 43.

The actuating lever of the switch 43 projects outwardly from the housing 11 through an aperture 44, and the light rays emanating from the lamp 39 are, of course, diffused throughout the housing 11, so that the tape 18 is clearly visible through the opening 18'. In addition, an opening 45 is provided in the cover 12, so that light may emanate outwardly, directly from the lamp 39.

If desired, the tape 18 may pass over a platform 46 provided on the frame 15 and disposed under the opening 18', this platform providing a support for the tape when inscriptions are being written thereon.

It is believed that the advantages and use of the invention will be clearly apparent from the foregoing disclosure and accordingly, a further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

Having described the invention, what is claimed as new is:

1. A record holder, comprising in combination, a housing formed with a sight opening, a pair of rotatable spools in said housing, a record tape windable on said spools, a portion of said tape being visible through said opening, a ratchet on one of said spools, a reciprocable plunger provided on said housing, a driving dog on said plunger and in operative engagement with said ratchet, and a combined tensioning and checking device comprising a resilient member frictionally engaging the remaining spool and having a free end portion in engagement with said ratchet.

2. In a record holder, the combination of a housing formed with a sight opening, a pair of rotatable spools in said housing, a record tape windable on said spools and visible through said opening, a ratchet on one of said spools, a reciprocable plunger provided in and extending outwardly from said housing, a driving dog on said plunger and in operative engagement with said ratchet, and combined means for tensioning the remaining spool, checking rotation of said ratchet and urging said plunger outwardly from said housing, said means comprising a resilient rod provided intermediate its ends with a detent frictionally engaging said remaining spool, one end portion of said rod being angulated to provide a check dog in engagement with said ratchet, and the remaining end portion of said rod constituting a U-shaped guide engaging an inner portion of said plunger.

3. The device as defined in claim 2 wherein one edge of said plunger is provided with a notch, said driving dog comprising a resilient wire having an intermediate portion thereof seated in said notch, said wire terminating at one end thereof in an angulated catch seated on an edge of said plunger opposite from the notched edge, and the remaining end portion of said wire being angulated to operatively engage said ratchet.

4. The device as defined in claim 2 together with a rewinding knob provided exteriorly of said housing and operatively connected to said remaining spool, the frictional engagement of said detent with said remaining spool disengaging said check dog from said ratchet upon actuation of said knob.

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