This invention relates to day and night maps and has for an object to provide a route map for motorists having means which the user may control by one hand, to illuminate localized points on the map at night.

A further object is to provide a device of this character having a paddle adapted to carry a flashlight bulb and battery as well as a circuit closer at the bottom, and having notches in the paddle which may be engaged with the end wall of a slot in the top of the casing of the device to maintain the bulb extinguished until it is wanted for use.

A further object of the invention is to provide a novel circuit closer in a device of this character adapted to switch on the flashlight bulb when the paddle is raised in the casing from its lowermost position and maintain the bulb energized while the user reads the map.

A further object is to provide a device of this character which will be formed of a few strong and durable parts, which will be inexpensive to manufacture and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming part of this specification,

Figure 1 is a perspective view, with portions broken away, showing a day and night map constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view through the lower portion of the map showing the paddle in full lines in position to hold the bulb extinguished and in dotted lines in position to energize the bulb.

Figure 3 is a detail perspective view of the paddle showing the notches thereof and showing a battery, bulb, and circuit closer carried by the bottom of the paddle.

Figure 4 is a fragmentary perspective view of the rear side of the paddle showing the circuit closer.

Figure 5 is a detail longitudinal sectional view showing the map frame of the casing in dotted lines in position to permit access to the interior of the casing.

Figure 6 is a detail plan view of the battery with a portion of the cover removed to expose the cylindrical metal contact.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, a casing is shown comprising a rear section 10 and a front section 11 preferably formed from a single blank of cardboard, the front section being integral at the upper rear corner with the rear section to provide a hole 12 which permits the front section to be rocked open as shown by dotted lines in Figure 5. The front section is cut away as shown at 13 in Figure 1 to provide a map frame and the rear section is provided on the walls with tabs 14 upon which a map 15 is supported to be exposed through the Cellophane pane 16 which is adhesively secured at the marginal edges to the map frame.

The top walls of the front section and rear section are adhesively secured together and are provided with registering slots 17. A paddle 18, preferably formed from a single length of cardboard doubled upon itself, is slidably fitted in the slots 17 to project at one end from the casing and form a handle 19. Below the handle, the paddle is provided with opposite disposed notches 20 as shown in Figure 3, adapted to engage a respective end wall of the slot 17 and hold a paddle with its lower portion at the bottom of the casing.

The lower end of the paddle is shaped to provide a loop 21 to receive a flashlight battery 22. The double thickness of the material of the paddle is stapled together, as shown at 23, or otherwise secured together, to provide a relatively stiff paddle and to hold the loop drawn tightly against the cylindrical wall of the battery. A wire 24 is disposed transversely across one end wall of the loop to engage the center contact 29 of the battery, this wire also having an extension 25 which extends longitudinally of the outer wall of the rear side of the loop to pivotally support a circuit closer.

The circuit closer comprises a single blank of material having an upright leg 27 provided with an extension 28 adapted to engage the center contact 29 of a flashlight bulb 30 which is carried by the paddle directly above the battery. The circuit closer is provided with a downwardly curved leg 31 which extends underneath the loop of the paddle and terminates in a rolled edge 32.

The insulating cover 33 of the battery is scraped away, as shown at 34 in Figure 6, to expose the metal wall 35 of the battery. The threaded outer terminal 36 of the bulb engages the exposed wall, as shown in Figure 2.
The circuit closer is provided with a loop 37 which forms a hinge barrel to receive the straight extension 26 of the wire 24. When the paddle is at its lowermost position in the casing the curved leg 31 of the circuit closer engages the bottom of the casing, as best shown in Figure 2 and holds the upright leg 21 rocked outwardly to disengage the extension 26 from the center contact 29 of the bulb and maintain the bulb extinguished. When the paddle is raised the lowermost leg 31 gravitates and rocks the upright leg 27 of the circuit closer to engage the extension 28 with the center contact of the bulb and energizes the bulb.

In operation, at night time, when the user wishes to read the map, which is of the strip type, the handle 19 is grasped and the paddle is raised upwardly. As it starts on its upward movement, the circuit closer immediately moves to circuit closing position to energize the bulb for illuminating the map from the rear side. The handle may be held at any desired position of its upward movement, to locate the bulb to intensely illuminate a localized point on the map so that it may be clearly and quickly read through the Cellophane pane 16.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:
1. A day and night map comprising a casing adapted to carry a road map and provided in its front side with an opening through which the map is visible, a transparent panel extending across the opening, a paddle extending into the casing through a slot in the casing and located rearwardly of the map opening, a battery carried by the paddle, a flashlight bulb carried by the paddle having its outer contact engaging the outer contact of the battery, and a pivoted circuit closer carried by the paddle adapted to engage the casing and move to open circuit position with the center contact of the bulb when the paddle is in released position and adapted to move to circuit closing position with the center contact of the bulb when the paddle is moved outwardly through the casing to energize the bulb and illuminate the road map.

2. A day and night map comprising a casing adapted to carry a road map and provided in its front side with an opening through which the map is visible, a transparent panel extending across the opening, a paddle extending through a slot in the top of the casing and having a loop at its lower end, a flashlight bulb carried by the paddle having its outer contact in contact with the outer contact of the battery, a wire extending across the loop in contact with the center contact of the battery and having an extension extending longitudinally of the loop, an angular circuit closer pivoted on said extension and having an arcuate leg adapted to engage the bottom of the casing when the paddle is in released position and hold the upright leg in open circuit position and adapted to gravitate and rock the upright leg to closed circuit position when the paddle is raised for energizing the bulb to illuminate the map.

3. A day and night map comprising a casing adapted to carry a road map and provided in its front side with an opening through which the map is visible, a paddle projecting into the casing through a slot in the casing and located rearwardly of said opening, there being slots in the sides of the paddle at the outer end thereof to engage a wall of said slot in the casing and hold the paddle in released position, a flashlight battery carried by the end of the paddle within the casing, a flashlight bulb carried by the paddle having its outer contact in engagement with the outer contact of the battery, and a pivoted circuit closer electrically connected to the center contact of the battery and adapted to be moved into circuit closing position with the center contact of the bulb to energize the bulb when the paddle is raised to illuminate the map, said circuit closer being adapted to contact the casing and be moved thereby to open circuit position, out of engagement with the center contact of the bulb when the paddle is in released position to maintain the bulb extinguished.

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