A flashlight having a flat shaped casing with an opening in one of its sidewalls through which a battery is inserted. The bottom wall of the casing has a projection along its internal surface for frictionally engaging the battery to secure the same in the casing.

1 Claim, 1 Drawing Figure
1

FLASHLIGHT CASING FOR A FLAT-SHAPED BATTERY

This invention relates to a torch case for a pocket torch with flat shaped battery and its object is to pro-
vide a pocket torch which is economical to manufac-
ture, simple to assemble and reliable in operation.

It appeared advantageous according to the invention to
create a torch case for a pocket torch with flat
shaped battery, which case would have no cover and
into which the battery could be inserted without han-
dling its terminals.

A torch case according to the invention is character-
ised in that it has an opening at the side through which
the battery can be placed in its operative position and
in that it contains in its upper part a plate which is de-
signed to provide contact between one of the terminals
of the battery and the cap of a bulb which is mounted
in the said upper part in such a manner that its contact
terminal is in direct and constant contact with the other
terminal of the battery.

According to the invention, the plate is held by one
of its folded ends against the cap of the bulb which is
mounted in its seating while the other folded end of the
plate is adapted to be operated on by a switch to bring
it into contact with the appropriate terminal of the bat-
tery.

To explain the invention more clearly, it will now be
described with reference to the attached drawing which
is given solely by way of example and which shows a
side view of the case of a pocket torch equipped with
flat shaped battery and constructed in accordance with
the invention.

The torch case 1, which is preferably made of plas-
tics, has a lateral opening 2 which partly extends over
the two surfaces of the case at 2'. This opening allows
for easy insertion and removal of a flat shaped battery
3 into and from the case.

The base 4 of the case has a central longitudinal pro-
jection 5 along its internal surface to secure the battery
in the case.

The head cover or top 6 of the case has a clamp or
seating 7 for a bulb 8 whose central contact terminal 8'
is in constant contact with one of the terminals 9 of the
battery, and it contains a very simple mechanism for
contact. This mechanism consists of a single plate or
strip 10 which is kept in position by one of its folded
ends 10' bearing against the tapped cap 8'' of the bulb
while its other folded end 10'' is subject to the action
of a sliding switch 11.

When the switch 11 is pushed down, it pushes against
the end 10' of the plate 10 which then comes into
contact with the other terminal 9' of the battery to
close the circuit so that the bulb lights up. This switch
can be moved downwards into two positions, the first
of which is unstable due to the elasticity of the plate
while the second is fixed by abutments formed on slide
bars and holding the switch.

The seating 7 for the bulb is not tapped, the bulb
being simply pressed into the seating where it is firmly
held by its contact with the folded end 10' of the plate
10.

Such a design greatly simplifies the manufacture and
assembly of the torch case. Another advantage of this
design is that the battery can be placed into position
and is immediately ready for operation without any
handling of its terminals.

It should be understood that one or other construc-
tion modification within the scope of the claims may be
applied to the case described and represented without
thereby departing from the field of the invention.

What is claimed is:

1. In combination, a flashlight housing having a pair
of side walls, a pair of end walls, a bottom wall and a
head cover, a flat battery and a light bulb, said pair of
side walls and one of said end walls having cutout por-
tions for insertion of said battery without removing said
head cover, said electric bulb having a cap terminal and
a central terminal, said central terminal being in con-
stant contact with one terminal of the battery, a clamp
for holding said cap terminal, and a strip having a
folded end operable by a push button for contacting the
other terminal of said battery with said clamp, said bot-
tom wall comprising a central longitudinal projection
along its internal surface frictionally engaging said bat-
tery to secure the battery in the housing.

* * * * *