UNITED STATES PATENT OFFICE
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ILLUMINATED WALKING STICK
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2 Claims. (Cl. 240—6.42)

1 It is generally known that the major portions of
canes used by persons who have lost their
sight, and which are symbolic of the blind, are
white, while directly above the tip end of the
cane is a section colored red.

2 It is therefore the primary object of the inven-
tion to provide a cane or walking stick having
means whereby the section thereof colored red,
may be illuminated and clearly visible in the
dark, rendering night walking less dangerous for
the blind.

Another object of the invention is to provide
a walking stick having a self-contained light,
which is controlled by a switch conveniently lo-
cated adjacent to the handle of the walking stick,
that the electric current to the lamp of the
device may be readily snapped on or off
by the person using the walking stick.

Still another object of the invention is to pro-
vide electrically controlled heating means in cir-
cuit with the lamp of the device, adapted to heat
a section of the walking stick adjacent to the
handle, indicating to the user that the lamp is lit.

Another important object of the invention is to
provide a walking stick which will be exception-
ally strong to withstand the strain to which a
walking stick may be subjected, when in use.

With the foregoing and other objects in view
what will appear in the following description proceeds, the
invention consists of certain novel details of con-
struction and combinations of parts hereinafter
more fully described and pointed out in the
claims, it being understood that changes may be
made in the construction and arrangement of
parts without departing from the spirit of the inven-
tion as claimed.

Referring to the drawing

Figure 1 is an elevational view of a walking stick
constructed in accordance with the inven-
tion.

Figure 2 is a longitudinal sectional view there-
through.

Referring to the drawing in detail, the walk-
ing stick embodies a main hollow section 5 which
is formed with internal threads formed adja-
cent to its upper end, for the reception of the
threaded end 6 of the handle 7, whereby the
handle is removably connected to the main sec-
tion 5. The reference character 8 indicates the
signalling section of the walking stick, which
may be constructed of any suitable translucent
material, the section 8 being formed with a re-
duced end 9 which is fitted into the open end
of the main hollow section, as clearly shown by
Fig. 2 of the drawing.

The section 8 is formed with a longitudinal
bore disposed axially thereof, and the lower end
of the signalling section is reduced to receive the
extension 10 of the tip 11. The tip 11 is formed
with a threaded bore to accommodate the thread-
ed lower end of the connecting rod 12, which is
of a diameter appreciably less than the diameter
of the bore of the signalling section, providing
an annular light space around the rod 12.

The rod 12 has its upper threaded end fitted
in a threaded opening formed in the disk 13,
which rests against the annular shoulder 14
formed internally of the main hollow section 5.
Thus it will be seen that when the tip has been
positioned against the lower end of the signal-
ing section 8 of the walking stick, the signalling
section 8 and the tip will be securely held to the
main hollow section 5 but at the same time the
sections may be readily disconnected to facilitate
repair work on the walking stick.

The disk 13 is formed with a plurality of open-
ings 15 which are arranged in a circular line.
Directly above the disk 13 and disposed in spaced
relation therewith, is a partition 16 which forms
a lamp compartment 17 with the disk 13. The
partition 16 is formed with a threaded opening to
receive the threaded end of the lamp 18 which
lamp also fits into the reflector 19, so that light
rays from the lamp will be projected downwardly
through the openings 15 and into the annular
space within the signalling section 8, illuminat-
ing the signalling section. It may be further
stated that the translucent material of which the
signalling section is constructed, is colored red to
the end that light rays projected through the sec-
tion 8 will result in an illuminated red signal at
the tip end of the cane or walking stick.

The reference character 20 indicates batteries
or dry cells which are contained in the main halo-
low section, the batteries being forced towards
the lamp, by means of the coiled spring 21 that
rests against the threaded end 5 of the handle.
A switch indicated at 22 controls the electric
circuit to the lamp, and is so disposed that it may
be conveniently operated while the walking stick
is being carried in the hand of the user.

The reference character 23 indicates an electric
resistance wire which is mounted in the wall of
the main hollow section 5, the resistance wire be-
ing in circuit with the lamp so that electric energy
passing through the lamp, will also pass into the
coil, heating a section of the walking stick, to
indicate to the person using the walking stick, that the lamp is lit and is functioning.

What is claimed is:

1. An illuminated walking stick, comprising a main hollow section and a tip section, a translucent section formed with an axial bore and being of a distinctive color, a disk formed with openings mounted within the main hollow section at one end of the translucent section, a rod connected to the disk and tip section securing the sections of the walking stick together, said rod passing through the bore of the translucent section and being of a diameter appreciably less than the diameter of the bore, thereby to provide a light passageway around the rod, and an electric lamp mounted above the disk and adapted to direct light rays through the openings of the disk and light passageway, illuminating the translucent section of the walking stick.

2. An illuminated walking stick, comprising a main hollow section and a tip section, an annular shoulder within the main section, a disk having openings resting in the annular shoulder, a disk disposed above the first mentioned disk, and providing a lower compartment in which a lamp is positioned, batteries and a switch mounted within the walking stick for illuminating the lamp, a translucent section connecting the tip and main hollow section, the translucent section having a bore, a rod extending through the bore in spaced relation with the wall thereof, and said rod being connected with the first mentioned disk and tip, drawing the translucent section, tip section and main hollow section together.

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