Boston & Maine Railroad Historical Society Incorporated

File No. 7

Classification Lamps - Lanterns – Marker Lamps

Hardware Collection

Pyle-National Co. Classification Lamp Steam Locomotive Era

Classification Lamp

Cast Iron, "divers helmet" style, electric, two exterior clear lenses, two flip levers to move inside round green circle for lens color change, two iron brackets extend from base.

A pair of these lamps was displayed on the front of the locomotive to indicate its running classification at night, such as Green lenses having superiority, white (clear) lens as an extra train, red when locomotive is running backwards.

If a train was split up into more than one section, the proceeding section would show green classification lamps with the last section having an unlit lamp.



Bell Bottom Marker Lamp

Bell Bottom Marker Lamp
Two Red Lens & Two Green Lens
No railroad markings

Donation by; Anonymous Donor



Boston & Maine Railroad Adlake Marker Lamp Set





Donation by; Joseph Shaw

Canadian Pacific Railroad Marker Lamp

Pier Montreal:

Canadian Pacific Railroad

Marker Lamp

These are made of sheet metal, cylinder style body, generally finished in black, having red, green and amber colored lenses, a cone shaped top vent, sliding door to remove oil fount and burner.

A pair of these lamps was displayed at the tail end car of passenger trains or on the end of the caboose of freights to indicate their classification.



Boston & Maine Railroad Marker Lamp

Dressel:

Boston & Maine Railroad

Marker Lamp

Dressel Marker Lamp with Mounting Bracket with two Green Lens and one Red Lens.

Sliding Door to remove oil fount and burner.



Donation by; Anonymous Donor

Boston & Maine Railroad Gray Boston Semaphore Lamps

Semaphore Lamps Steam Era:

These were for use on semaphore poles, mounted behind the signal arms to illuminate their colored lenses.

They were oil burning at first; many were electrified in later years.



Donation by; Anonymous Donors

Semaphore lenses

Signals lenses are properly known in the industry as "roundels".

General Signal maintenance:

The Wayside Signal roundels, Inner and outer doublets are made of Lexan, Glass, and Plexiglas.

All are standard sizes including dwarf, inverted color lights and semaphore roundels.

The Blue/Green and Red roundels

are 5 ¼ Diameter each.



Donation by; Paul T. Kosciolek

Lanterns

Lanterns

- The earliest lanterns used were the whale-oil type, with no special features.
- Gradually they were modified to railroad specifications.
- The railroad identified their lanterns by having their names stamped or embossed somewhere on the frame and also etched or cast on the globe.
- The manufacturer's name and patent dates are also found on most lanterns.
- The earlier lanterns came with tall globes; later ones had short globes.
- Battery powered lanterns have replaced these oil-burning lanterns of yesteryear.
- The white / clear Lanterns was used by the brakeman to give the general common signal around the yard.
- The red lantern was generally used to signal STOP.
- The blue lantern was used for marking equipment that wasn't to be moved.
- The Signal Green lantern was used as a tower signal for "proceed with caution".
- The amber / yellow lantern was used to mark "camp cars". Camp cars were railroad cars that track repair men or other repair crew lived in when many miles from home.

Collection of Lanterns

Donation by Ron Santurjian

Boston & Albany Railroad Fixed Globe Lantern

Boston & Albany Railroad Bell Bottom Lantern

Mississippi & Missouri Railroad Bell Bottom Lantern





Boston & Albany Fixed Clean Globe Lantern etched B & A. on Globe





Bell Bottom Lantern

Mississippi & Missouri Railroad etched M . M on the Globe.





Bell Bottom B.& A. Lantern etched on the Globe & embossed on the base.





Boston & Maine Railroad

Armspear M.F.G. Co. N.Y. Dated Oct 22-89 B&MRR etched on Clear Globe and embossed on Canopy.





Boston & Maine Railroad

Adams & Westlake Co. Adlake Lantern B&MRR etched on Red Globe & embossed on Canopy



Short Globe Lantern /w Clear Globe

Those have a ring base with an insert oil pot. The globes are 3 ¼ high. Not many short globes were made with cast (raised) R.R. initials. Most came without any railroad ID, showing only the mfgr's ALAKE KERO in raised letters.





KEEP THIS

INSTRUCTIONS FOR USING ADLAKE-KERO LANTERN

1-USE LONG TIME BURNING KEROSENE OIL ONLY. Oil

Burner

Globe

Wick

Cleaning

2-TO FILL OIL FOUNT SEE THAT COTTON IS COMPLETELY SATURATED. ANY SURPLUS OIL SHOULD BE POURED OFF.

3-THE PACKING IN THE LAMP FOUNT SHOULD NOT BE Fount LOOSE. IF THIS CONDITION IS FOUND, ADDITIONAL Packing PACKING SHOULD BE ADDED TO ELIMINATE AIR SPACE OR FOUNT REPLACED.

> 4—INSERT BAYONET CATCH BURNER AND TURN SLIGHTLY TO THE RIGHT TO LOCK FIRMLY IN PLACE. TO REMOVE BURNER TURN TO THE LEFT AND LIFT OFF.

5-PLACE BOTTOM OF GLOBE ON GLOBE SEAT. CLOSE LAN-TERN TOP. THEN TURN GLOBE QUARTER WAY AROUND BEFORE USING LANTERN. THIS PREVENTS AIR LEAKAGE.

6-TO SECURE THE BEST RESULTS TRIM THE WICK STRAIGHT ACROSS AND REPLACE WHEN IT BECOMES HARDENED THROUGH LONG USE. WICK MUST BE LONG ENOUGH TO REACH BOTTOM OF OIL WELL.

7-ENTIRE TOP MUST BE KEPT CLEAN AND FREE FROM SOOT. REMOVE INSIDE TOP BY PRESSING AGAINST SPRING AND TURNING.

8-KEEP THE BURNER AND GLOBE PROPERLY CLEANED.

THE HIRAM L. PIPER CO. LIMITED, KINGSTON, ONT.

Dressel Red Globe Lantern

Arlington New Jersey





Boston & Maine Railroad

Dietz-Vista Red Globe Lantern – embossed B&M on canopy





Maine Central Railroad

Dietz-Vista Clear Globe – MECRR Stamped on Lid

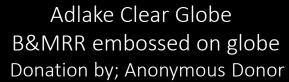
Donation by; H. Arnold Wilder

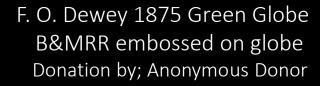




Boston & Maine Railroad

Adlake – Green Globe B&MRR embossed on globe Donation by; Joseph Shaw Collection











Boston & Maine Railroad

Dietz-Vista Cobalt Blue Globe B&M stamped on lid

Donation by; Paul T. Kosciolek



Dietz - Amber Globe B&M stamped on lid Donation by; Paul T. Kosciolek



Dietz – Blue Globe B&M stamped on lid Donation by; Anonymous Donor



Conductor's Hand Lantern

Peter Gray: Conductor Hand Lantern

The Conductor Hand Lanterns are brass or nickel plated over brass and generally smaller in size than the tall globe lanterns.

The globe is clear or sometimes half-colored, such as clear / green or clear / red.

They are not railroad marked unless they were presentation pieces, with the name of the railroad and conductor on the globe or frame.



Donation by; Harry B. Parker

Conductor's Hand Lantern

Peter Gray: Conductor Hand Lantern

The Conductor Hand Lantern is nickel plated over brass and is generally smaller in size than a tall globe lanterns.

The globe is half colored clear and green.

They are not railroad marked unless they were a presentation piece, with the name of the railroad and the conductors name on the globe or the frame.

Conductor T.B. Aitcheson name is mentioned:

The Railway Conductor Published Monthly at Cedar Rapids, IA By the Order of Railway Conductors

Listed as a alternate to the 36th Grand Division St. Louis, May 1919.



Inspector & Track Walker Lamp

Dietz: ACME Inspector Lamp

The inspector's Kerosene lamp was used by railroad workers for checking the journal boxes on rolling stock.

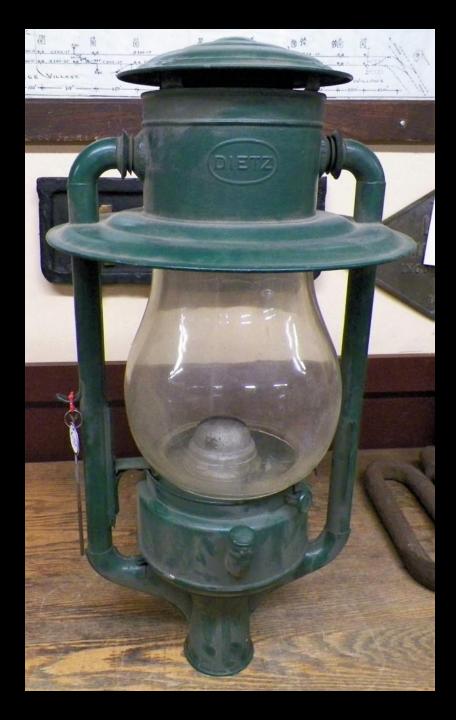
The lamp, kerosene burning, equipped with a bright tin hood and silvered glass reflector at rear of wick.

The lamp is equipped with a clear globe, a bright tin hood about 6" deep, and a 5" silvered glass reflector.

The track-walker's lamp is much the same and made especially for inspecting tracks or for use on patrols.

The back of the bright tin hood is formed into a reflector having a round opening in which is fitted a clear lens and a circular ruby slide to cover it to show a danger signal when necessary.





R.E. Dietz Company

Pioneer Tubular Kerosene Street Lamp
Donation by; Donald S. Robinson



New York New Haven & Hartford Railroad

Dietz Railroad Signal Lamp – Clear Globe / Red Lens



Union Carbide Model A Railroad Lamp

Donation by; Paul T. Kosciolek Collection



Delta Powerlite Lantern 1937

In 1933 Delta introduced the item that became their single most well known product when they started producing the 6 Volt two reflector "Powerlite", this lantern would continue to be made through the 1930's and 1940's when it was made for the Military.





No. 40 Traffic Gard Lantern /w Red Fresnel Globe.

This lantern was used by highway contractors, utility companies, and municipalities rather than the railroad. The were used to mark construction sites and road work, and generally warn night time drivers of road hazards. Manufactured by Embury Company. The R. E. Dietz purchase the Embury Co. in 1953.







No. 40
Justrite Electric Lantern
Patented July 7, 1942
Justrite Manufacturing Co. Chicago III.





No. 31-C Adlake Battery Lantern The Adams & Westlake Co.



Circa 1968



Maine Central Railroad

Empire Battery Lantern Starlite Battery Lantern Starlite Battery Lantern Blue Globe



Model 215-TL Blue Globe





The "Conger"

Model Battery-Powered Signal Lantern
Manufactured by Conger Lantern Co. of Honeoye Falls, N.Y. 1989
Donation by; Former B&MRR Trainman Russell F. Munroe Jr.





Justrite Lantern

Electric Switchman's Lantern
Justrite Manufacturing Co. Chicago ILL
Donation by; Former B&MRR Trainman Russell F. Munroe Jr. 1968-1970





Amtrak "Carman's Lantern

Battery-Powered Lantern – Starlite #222 Honeoye Falls, N.Y.

Donation by; Former Amtrak Conductor Russell F. Munroe Jr.







Boston & Maine Railroad Historical Society Acknowledgement

- The following donations have made it possible to preserve the B&MRR and our New England Railroad History.
- Anonymous Donors:
- Donors: T. B. Aitcheson, Paul T. Kosciolek, Russell F. Munroe Jr., Harry B. Parker, Donald S. Robinson, Ron Santurjian, Joseph Shaw, H. Arnold Wilder

Submitted by;
 The Hardware Committee
 Boston & Maine Railroad Historical Society