

*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. Kosciolk





# 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

- Oil** 1—USE LONG TIME BURNING KEROSENE OIL ONLY.  
2—TO FILL OIL FOUNT SEE THAT COTTON IS COMPLETELY SATURATED. ANY SURPLUS OIL SHOULD BE Poured OFF.
- Fount Packing** 3—THE PACKING IN THE LAMP FOUNT SHOULD NOT BE LOOSE. IF THIS CONDITION IS FOUND, ADDITIONAL PACKING SHOULD BE ADDED TO ELIMINATE AIR SPACE OR FOUNT REPLACED.
- Burner** 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.
- Globe** 5—PLACE BOTTOM OF GLOBE ON GLOBE SEAT. CLOSE LANTERN TOP. THEN TURN GLOBE QUARTER WAY AROUND BEFORE USING LANTERN. THIS PREVENTS AIR LEAKAGE.
- Wick** 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.
- Cleaning** 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



Adlake Clear Globe  
B&MRR embossed on globe  
Donation by; Anonymous Donor



F. O. Dewey 1875 Green Globe  
B&MRR embossed on globe  
Donation by; Anonymous Donor





# 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 36<sup>th</sup> Grand Division St. Louis,  
May 1919.

Donation by; T. B. Aitcheson





## 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. Kosciolk 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. They 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 Ill.







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





Empire Battery Lantern  
Circa 1968



Maine Central Railroad  
Starlite Battery Lantern  
Blue Globe



Starlite Battery Lantern  
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. Kosciolk, 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