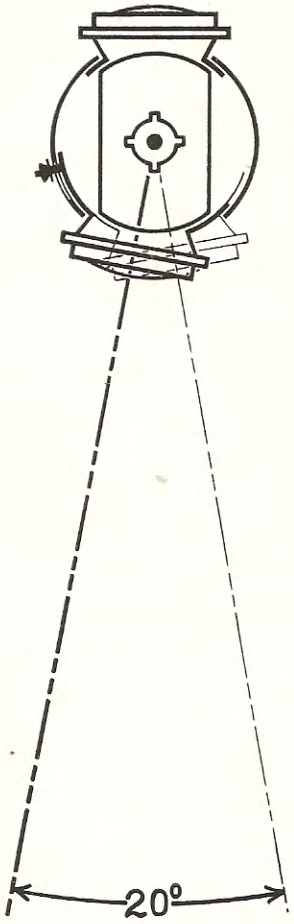
The Adams & Westlake Company

New York **CHICAGO** **Philadelphia**

The Adlake Station Train Order or Semaphore Lamp with Adjustable Lens has one lens so mounted that it can be easily and accurately adjusted through an angle of 20 degrees to make its signal effective on curves.



Adjustment through 20 degrees means that 100 feet from the semaphore the direction of signal can be turned through 35 feet. This is sufficient to compensate for the change of direction on sharp curves.

Adlake Station Train Order or Semaphore Lamp with Adjustable Lens

The Adlake Station Train Order or Semaphore Lamp with Adjustable Lens

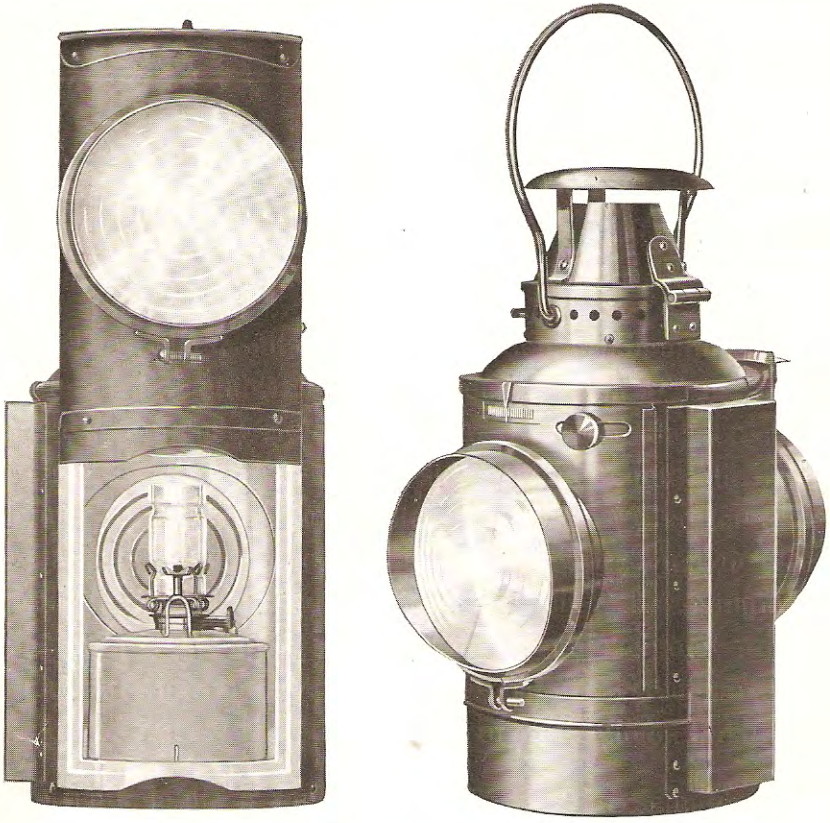
It is sometimes necessary on curves to place a signal at such a point, that with the regular lamp, the rays would extend at an angle from the track, and the effect of the signal would either be minimized or entirely lost.

The Adlake Station Train Order or Semaphore Lamp with an Adjustable Lens has been designed for use under such conditions. By loosening a set screw, the lens can be rotated ten degrees either side of the center line of the lamp. This adjustment makes it possible to have the signal parallel with each leg of any curve up to ten degrees of deflection in either direction, by placing the semaphore in the proper position. A scale and index pointer are so mounted that the degree of deflection of the lens can be made to agree with the degree of deflection of the track.

This lamp is made with the regular semaphore lamp body, except that the lens is mounted on a section of the lamp body that can be rotated. The construction is such that the adjustable lens fittings are wind proof, and the lamp is fitted with the Adlake Windproof Door.

The lamp can be furnished with either a one day or a long time burner as desired, and uses the R. S. A. standard oil fount.

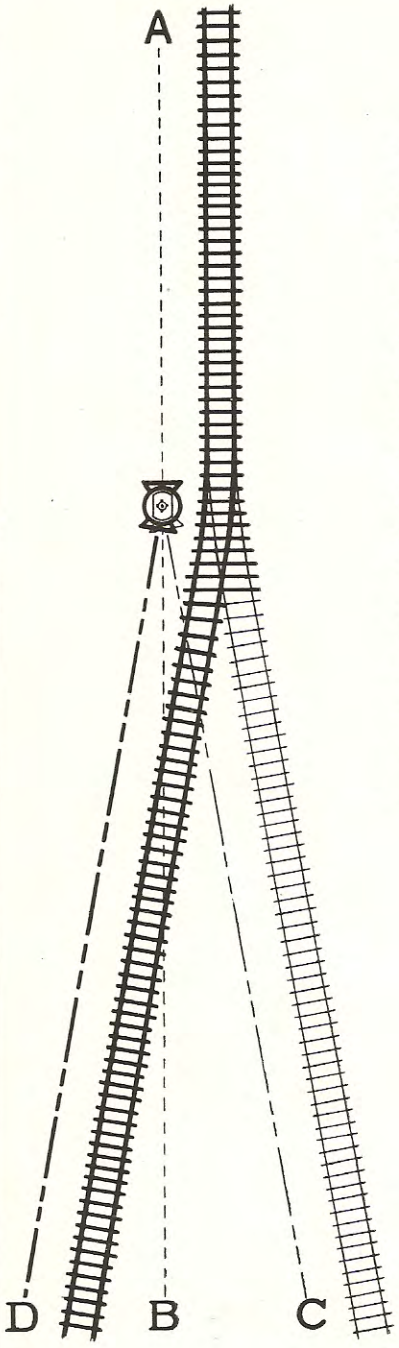
The lamp is fitted with the Adlake Non-Sweating Balanced Draught Ventilation, which insures unfogged lenses, maximum signalling efficiency, and long life of the lamp.



Adlake Station Train Order or Semaphore Lamp with Adjustable Lens

These illustrations show the lamp open and closed. Features of especial importance are the Set Screw which insures permanent adjustment, and the scale which permits of accuracy of adjustment.

From blueprints of the track, the lens can be set at the proper angle of deflection without waiting till dark to test it out.



This sketch shows the position of a Train Order Lamp, and "A" shows the direction in which the signal from the fixed lens follows parallel to the track. "B" shows the direction in which the opposite lens would ordinarily send its signal, which does not follow the track if it curved in either direction shown. "C" shows how it would follow a curve of 10 degrees deflection if adjusted in one direction, and "D" shows how it could be adjusted to follow the track if it had 10 degrees of deflection in the other direction.