

AIR VALVE LIFT GAGE.

(For 8½-inch and 10½-inch Cross Compound and 9½-inch and 11-inch Single Stage Steam Driven Air Compressors.)

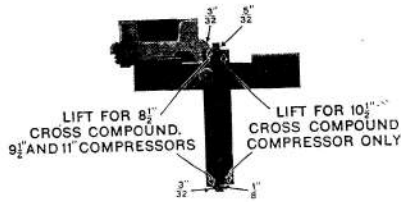


Fig. 2

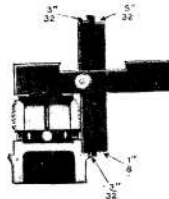


Fig. 3

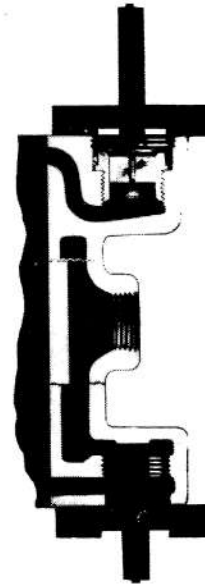


Fig. 1

Net Weight, 6 oz.

The purpose of the air valve lift gage is to enable railway repairmen to readily determine the lift of air valves of Steam Driven Air Compressors.

To determine the lift of the upper air valve, the gage is first applied to the top flange of the air cylinder, as illustrated in Fig. 1, and the sliding arm adjusted until its end rests against the top of the stop on the air valve in which position it is locked by means of the thumb nut. With the arm thus locked, the gage is applied to the valve cap, as illustrated in Fig. 2. If the gage arm fails to touch the stop for the valve when the shoulder on the sliding bar rests upon the face of the collar, the valve has a lift greater than standard by an amount equal to the distance between the gage arm and the stop. If this lift is greater than the maximum permissible, a repair valve having a long stop is substituted for the old valve and the stop lowered until the standard lift is reached, as indicated by the gage.

To determine the lift of the lower air valve, the gage is first applied to the bottom flange of the air cylinder, as illustrated in Fig. 1, and the sliding arm adjusted until its end rests against the stop in the cylinder, in which position it is locked by means of the thumb nut. With the arm thus locked, the gage is applied to the air valve cage and air valve, as illustrated in Fig. 3, and if the valve has proper lift, the shoulder on the sliding arm will just rest upon the upper side of the collar of the air valve cage, as illustrated. If the gage arm fails to touch the stop on the valve when the shoulder on the sliding bar rests on the collar face on the cage, the valve has a lift greater than standard by an amount equal to the distance between the stop and the gage arm.

Piece No. 51345. Air Valve Lift Gage, complete