

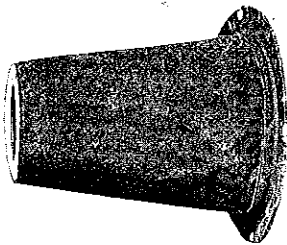


CIRCULAR NOTICE No. 1082

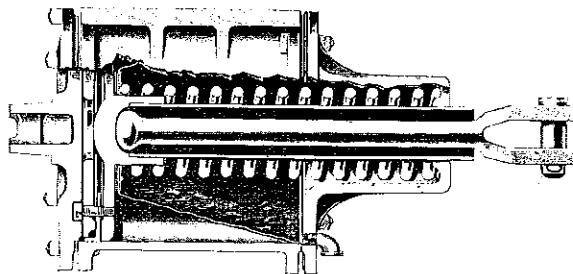
Brake Cylinder Protectors

THE last several years have witnessed an ever increasing demand for consistent equipment performance in railroad operation. Naturally, equipment maintenance must be kept at a high standard to continue this performance, and every endeavor has been extended to further the aim. That the air brake manufacturers have been aware of these factors is again attested by the recent development of protectors for brake cylinders—devices which protect the cylinder wall and piston packing from dirt, thereby assuring normal functioning of the cylinder for extended periods without the necessity of frequent inspection or cleaning.

THE protector is a conical cloth hood, flanged on the large end, this flange bolting between the non-pressure head and cylinder body, while the piston end of the hood is held between two circular steel plates. The release spring holds the small end of the protector against the piston while the flanged end is held like a gasket between the non-pressure head and cylinder body. The hood collapses and distends with application and release of the piston. Protectors are water proof, so that any dirt or water entering from the non-pressure end of a cylinder is collected within the hood and discharged through a street ell drain at the bottom of the non-pressure head.



Protector



Brake Cylinder with Protector

CONSEQUENTLY, dirt never comes in contact with the cylinder wall or packing, so there is no undue wear and the brake cylinder is maintained in an efficient working condition. The length of service between cleaning periods also will be very materially lengthened, thereby offsetting initial cost of the protector by saving in this operation.



THE MUNICIPAL TRAMWAYS TRUST, ADELAIDE.

Order No. 615129

...comparing order from

WESTINGHOUSE BRAKE CO.

11/8/29 Date 15129



14", 16" and 18" cylinders have non-pressure heads tapped for 1/2" street ell drain and smaller cylinders for 3/8".

CARE should be taken to avoid allowing the piston to strike the non-pressure head—as in testing with the cylinder rod detached from the cylinder lever—else the protector may be damaged.

UNLESS otherwise specified, the protector will be furnished as standard equipment with passenger car, engine, and tender brake cylinders. Protectors or cylinders of all types, complete with protectors, can be furnished on order.

CYLINDER SIZE	PC. NO. OF PROTECTOR
6" x 8".....	87073
6" x 12".....	86835
8" x 8".....	86836
8" x 12".....	86044
10" x 8".....	86837
10" x 12".....	86045
12" x 8".....	86838
12" x 12".....	86046
14" x 12".....	86047
16" x 12".....	86048
18" x 12".....	86049

THE protector for cylinders of 8" stroke is used with cylinders of 6" or 7" stroke; protector for cylinders of 12" stroke is used for cylinders of 10" stroke.



Westinghouse Air Brake Company
Pittsburgh, Pennsylvania

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