

Westinghouse Electrolytic Lightning Arresters

For 2,200 to 120,000 Volt Alternating-Current Systems

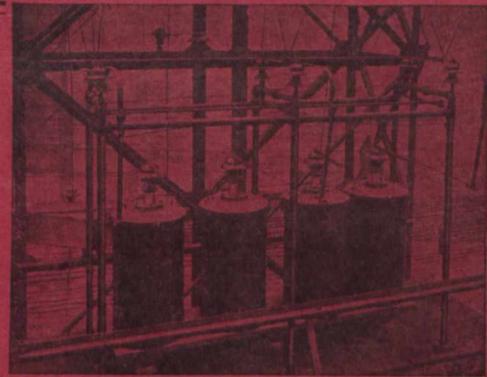
Construction: A series of nested aluminum trays, supported and secured in frames of specially treated wood, and a containing tank of welded sheet steel, comprise the two essential parts of Westinghouse Type "A" Electrolytic Arresters.

The aluminum trays are filled with electrolyte and lowered into place in the steel tank, which, in turn, is filled with transformer oil to within a few inches of the top. The oil furnishes insulation to the arrester, and at the same time prevents evaporation of the electrolyte, and also acts as a cooling medium in operation.

Action: When the voltage reaches a predetermined maximum, the film on the aluminum trays breaks down into myriads of minute punctures, short circuiting the potentials above the critical point and offering a free path to ground. When the discharge reduces the tension to normal the punctures immediately seal up and the original resistance is restored. The critical voltage of any tray having a fixed value; it is possible, by connecting trays in series, to provide collective resistance to any desired degree. See Circular No. 1132.



Type A Electrolytic Arrester, dismantled.



22,000 Volt Type "A" Electrolytic Arrester installed on the roof of an Industrial Plant

Canadian Westinghouse Company, Ltd.
General Office and Works: HAMILTON, ONTARIO.

ADDRESS NEAREST OFFICE.

Toronto, Traders Bank Bldg. Halifax, Telephone Bldg. Calgary, 311 Eighth Ave. W.
Montreal, 5a Victoria Square. Winnipeg, 158 Portage Ave., E. Vancouver, 439 Pender St.

Are You Hoping to Obtain

More Profitable Engineering Work?

If you could secure a position offering Better Pay, more chance of Advancement, and work of Greater Scope than you are now engaged in,

Would You Take the Job?

Would You Take the Job?

If you were not required to solicit it?

If it placed you under no obligations to anyone?

If the employer sought you on account of your fitness?

The Information Department of THE CANADIAN ENGINEER

A department conducted for subscribers and advertisers, free of charge to Employee and Employer.

Simply Write Us Now and Say—

"Send Me a Blank"

The information you give on this blank will be held confidential for the use of prospective employers who may select employees by their qualifications as stated in our files.

Address **The Information Department,
The Canadian Engineer,**

62 Church Street, Toronto