

tions between pipes and rails. Electrolysis more serious to companies operating traction systems than to companies operating pipe systems.

Mr. R. E. B. Crompton—Considered electrolytic corrosion, as a result of thorough investigations made in London,

a negligible factor. That the action of certain soils in London was much greater than the action due to electrolysis.

N.B.—London soil is mostly marl.

Major Cardew (Board of Trade)—Electrolytic damage could be avoided by ordinary care. Proper precautions taken

Investigator.	Locality	Date.	Publication	Remarks.
Adams		January, 1900	Municipal Engineer	Cause and Remedy
Barrett	Brooklyn, N.Y.	Jan. 18, 1895	Railroad Gazette	Report to commissioners of electrical subway
"	"	Jan. 26, 1895	Street Railway Gazette	Report to commissioners of electrical subway
"	"	Feb. 23, 1895	Engineering Record	Report to commissioners of electrical subway
Bridgden	Battle Creek	April 15, 1900	Engineering Record	Injury—Map
"	"	vol. 8, No. 6, 613	Cassier's	Protecting pipes
"	"	vol. 5, No. 12, 739	Street Railway Review	Potential readings
Brown	Newark, N.J.	Dec. 15, 1895	Street Railway Review	Prevention
"	"	October 14, 1897	Electrical Engineer	American and European practice
"	"	March, 1899	Domestic Engineer	Testing and protection
Brownell		June, 1900	N. E. W. Works Association.	Illustrated discussions
"		April, 1895	Cassier's	Legal aspect
"		April 6, 1895	Street Railway Gazette	Legal aspect
City Engineers	Boston	April, 1893	Report	Showing injury
Chamen	Glasgow, Scotland	June 7, 1898	Journal Gas Light	Report
Committee		Sept. 1, 1894	Am. W. Works Association.	Preventive measures
Davis	American Cities	Dec. 1899	Municipal Engineer	Conditions in cen. state
Dayton	Dayton			Trial—Evidence
Expert Engineer	St. John, N.B.	Jan. 4, 1894	Engineering News	Pipe breakage
"	"	March 29, 1894	"	Broken returns
"	"	Jan. 26, 1899	"	Abstracts of report
"	Jersey City	Feb. 2, 1899	"	Abstract Knudson's report
"	Cambridge, Mass.	Oct. 14, 1893	Engineering Record	Increased bonding
"	Milwaukee, Wis.	Oct. 14, 1893	"	Pipe-rail connections
"	Jersey City	Feb. 11, 1899	"	Illustrated report
Farnham		April, 1894	Transactions A. I. E. E.	Paper
"		April 7, 1894	Engineering Record	Abstracts of paper
"		April 21, 1894	Street Railway Gazette	"
"		April 25, 1894	Electrical Engineer	"
"		May 3, 1894, etc.	Engineering News	Corrosion of pipes conclusively shown
"		May 11, 1894	Railroad Gazette	Corrosion of pipes conclusively shown
"		May 25, 26, 1894	Engineering Record	Corrosion of pipes conclusively shown
Gray		Jan. 3, 1896	Electrical Review, London..	Re work of Smith, Jenkins, Brown and Wilkinson
Herrick		June, 1898	Engineering Magazine	General treatment
"		May 5, 1900	Street Railway Journal	Paper N. E. Society
Hewitt		July, 1896	Journal Franklin Institute.	General treatment
Hoopes		May 25, 1895	Electrical World	Prevention
Irving	Bristol, England	June 5, 1900	Journal Gas Light	Paper—Prevention
Jackson		Aug. 9, 1894	Engineering News	Criticisms of experiments
"		Aug. 11, 1894	Street Railway Gazette	"
"		Aug. 17, 1894	Railroad Gazette	"
"		September, 1894	Soc. of Assoc'd. Engineers.	"
"		Dec. 5, 1896	Electrical World	Details of experiments
Jenkins		May 15, 1900	Street Railway Review	Paper—Prevention
Keithley		September, 1894	Street Railway Review	Rail returns
Kelsey	Salt Lake City	Oct. 16, 1894	Engineering Record	Paper—Amer. W. Works Assn...
"	New York City	October, 1898	Transactions A. I. E. E.	Paper
"	"	Nov. 1898	Transactions A. I. E. E.	Discussion
"		March, 1900	American Electrician	Joint resistance
Knudson	Providence	August 4, 1900	Engineering Record	Corrosion pipe interiors
Low		February, 1895	Transactions A. I. E. E.	Prevention, bonding
Morse		March, 1893	N. E. W. Works Association.	Cause and remedy
"		July 19, 1900	Am. W. Works Association.	Paper abstract
"		May 19, 1900	Engineering Record	Railway companies responsible
Maury	Richmond, Va.,	July, 1903		Report
Newbaker		February, 1900	American Electrician	General treatment
Perry		Sept. 15, 1894	Street Railway Gazette	Series method
Peoria	Peoria			Trial—Evidence
Quincke		April 27, 1895	Ztsch. Ver. Ing.	Paper—Society of Engineers
Richmond Tn. Council	Richmond, Va.,	Feb. 27, 1896	Engineering News	Ordinance—1, 23, 9
"	"	August, 1904	Minutes	W. Works Committee
Richmond	New York City	February, 1903	Reports	Manhattan Railway Company..
"	Richmond, Va.,	February, 1903	Reports	Investments, improvements
"	New York City	July, 1904	Report, Subway	Action unlikely
"		Oct. 8, 15, 1904	Electrical Review	Earth voltages
"		Nov., etc., 1904	Electrical Review	General tests, etc.
Rowland		May, 1897	American Electrician	Planning returns
Schoen	Richmond, Va.,		Report	Corrosion Evidence
Sever	Long Island			
Sheldon	Brooklyn, N.Y.,	May, 1900	Transactions A. I. E. E.	Cast-iron immune
Stewart	St. Joseph, M.,	July 7, 1894	Street Railway Gazette	Corrosive action
Stone and Forbes	Boston	September, 1894	N. E. W. Works Association	General treatment
"	"	June 23, 1894	Engineering Record	General treatment
"	"		Brit. I. Gas. Eng.	General
Storrs		vol. 10, No. 1, 33	N. E. W. Works Association	Paper—General
Swinburne		August 30, 1902	Electrical Review	Abstract of above
Whynkop	Brooklyn, N.Y.,	January, 1900	Popular Science Monthly	Cause—Prevention
"	"	April 29, 1900	Electrical World	Paper—Engineers' Club, Brooklyn