

The Science of Water Treatment

The Dearborn Company was organized because of the conviction on part of its founders that a scientific handling of the water treatment question was the only solution for the steam user of the troubles constantly arising as a result of scale formation, foaming, corrosion and pitting of boiler tubes, with all the attendant injury to the boilers, loss of heating efficiency, and waste of fuel.

Periodical removal of scale is unsatisfactory since there is a constantly increasing ratio of heat loss and fuel waste—as the scale gradually forms—aside from the injury to the boilers.

The Practical Method is **Prevention** and this can be effectively done only by attacking the mineral ingredients in the water with the proper reagents, changing their nature and character and eliminating their harmful qualities.

The application of scientific knowledge is most important in the choosing of reagents. Provision must be made for the various minerals present in the water, determined by analysis, as well as for the by-products that will be formed as a result of reactions brought about. Failure to give this phase due consideration may result in more serious trouble than the first condition of the water produced.

Unscientific "dope" compounds, ineffective and often harmful, have caused steam users endless annoyance and trouble.

We'd like an opportunity to demonstrate results by our methods. Gallon samples of the water supplies for analysis constitute the first step. May we have them?

Dearborn Chemical Company of Canada, Limited

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G. T. BELL,
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W. P. HINTON,
Assistant Passenger Traffic Manager,
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