

**WATER SUPPLY,  
CONSIDERED MAINLY  
FROM A CHEMICAL AND  
SANITARY STANDPOINT**

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Water supply, considered mainly from a chemical and sanitary standpoint by Wm. Ripley  
Nichols

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# WATER SUPPLY

CONSIDERED MAINLY FROM A

CHEMICAL AND SANITARY STANDPOINT.

BY

WM. RIPLEY NICHOLS,

PROFESSOR AT THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

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## P R E F A C E.

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THE following pages contain, somewhat amplified, the substance of a course of "Lectures on Water Supply" which the author has been in the habit of delivering before certain classes at the Institute of Technology. It is primarily as an aid to engineering and other students at this and similar institutions that the book is printed. It is hoped, however, that the book will be found of service to young engineers, to persons in charge of water works, to water committees, and to others who are interested in the matter of water supply.

The aim is not to present a complete treatise on water supply for the civil engineer, nor a treatise on water analysis for the chemist, nor a treatise on mycology for the botanist, and certainly not a treatise on sanitary science for the physician, but, rather, to occupy a territory which encroaches on the fields of these and other professions and which belongs exclusively to no one alone—ground, in fact, with which all who are professionally interested in water supply must be more or less familiar.

The metric system of weights and measures is used, as well as the English; tables for the conversion of one system into the other will be found at the end of the volume. In the nomenclature of chemical substances, the old and more familiar terms are generally—although not exclusively employed—such as carbonate of soda and not sodic carbonate, sulphate of lime rather than sulphate of calcium.

The author has quoted freely from other works on the subject, and from his own earlier reports, now mostly out of print.



He would acknowledge especial indebtedness to the Reports of the Rivers Pollution Commission, and to Fischer's chemische Technologie des Wassers, and regrets that Wolffhügels Wasserversorgung did not come to hand until the manuscript was in the hands of the printer.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,

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