

**WATER ANALYSIS: A
PRACTICAL TREATISE
ON THE EXAMINATION
OF PORTABLE WATER**

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Water Analysis: A Practical Treatise on the Examination of Portable Water by J. Alfred Wanklyn & Ernest Theophron Chapman

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J. ALFRED WANKLYN & ERNEST THEOPHRON CHAPMAN

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A PRACTICAL TREATISE

ON THE

EXAMINATION OF POTABLE WATER.

BY

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AND

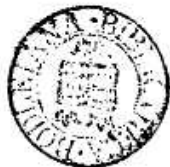
ERNEST THEOPHRON CHAPMAN.

SECOND EDITION.

EDITED BY

ERNEST THEOPHRON CHAPMAN,

MEMBER OF THE COUNCIL OF THE CHEMICAL SOCIETY.



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TO THE
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IN THE
FOLLOWING PAGES WAS DONE,

This Book

IS
RESPECTFULLY DEDICATED BY

THE AUTHORS.

PREFACE TO THE SECOND EDITION.

THE present edition of this work differs from the first in containing some new matter. The whole of the last edition has been transferred, almost without alteration, to the present one, though the arrangement has been slightly altered. The new matter added consists of the following:—

The Tetraton of Waters, added to the chapter on Hardness;

A Modification of the Process for the Estimation of Nitrates;

A chapter on Volatile Organic Matter present in Water;

A Method of Estimating Minute Traces of Lead; and

A chapter on the Purification of Water.

The present Editor alone is responsible for the form in which the above additions appear, though to Professor Wanklyn must be ascribed the origin of some of the processes here worked out in detail. This remark refers

more especially to the estimation of lead. The chapter on the Purification of Water is entirely the addition of the Editor.

The process for the estimation of nitrogenous organic matter in water has, since the publication of the first edition of this work, been employed by Dr Arthur Ransome, M.A., for the examination and estimation of the organic matter of human breath in health and disease. It has also been employed by the Editor for the estimation of nitrogenous organic matter contained in air

April 1870.