

**A HANDBOOK OF
SEWAGE
UTILIZATION**

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A Handbook of Sewage Utilization by Ulick Ralph Burke

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SEWAGE UTILIZATION.

BY
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Second Edition.
REVISED AND ENLARGED.

LONDON:
E. & F. N. SPON, 48, CHARING CROSS.
NEW YORK:
446, BROOME STREET.
1873.

232. g. 212.

PREFACE TO SECOND EDITION.

IN thanking the Public and the critics for the favour which has necessitated the preparation of a new edition of this little Handbook, I would say a few words with regard to a fault, and as far as I know the only one, that has been found with my work,—that it is not long enough. My original idea in compiling a 'Handbook of Sewage Utilization,' was to bring out a book which, laying claim to no literary merits, should as far as possible be all information. Nothing was further from my intention than to produce an exhaustive treatise on the subject, although the amount of reading which I had devoted to the preparation of the work might possibly have enabled me to do so; but my little book only laid claim to being a Handbook, and in some sort an *Index* to much that had already been written upon the subject. In the present edition I have been able to add a considerable amount of new matter, and to modify in some instances remarks that I had made with reference to certain systems; but I have endeavoured to preserve strictly the original character of the work, both as regards brevity and impartiality.

1, KING'S BENCH WALK, TEMPLE,
June, 1873.



PREFACE TO FIRST EDITION.

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AN impartial review and comparison of the various systems that have been tried in England and on the Continent for some years past may, it is hoped, be of use, not only in directing attention to the subject, but in enabling those who are interested in it, by considering the causes of the success or failure of the various systems under different circumstances, to determine what system or what modification of any previous system may be best fitted for the requirements and capabilities of their district. In recording the good or evil fortune of the various experiments that have been tried, this little book lays claim to no greater merits than that of a compilation, and as such it is hoped it may be found a useful one. A great portion of the information contained in it has been collected from the Reports presented to Parliament by various Commissions since the year 1858, and the sources of information will be found in all cases indicated for purposes of reference, and especially for the assistance of those who desire to study any particular branch of the subject more fully than in a general abstract like the present. To a certain extent, therefore, this Handbook will be found to be an epitome of most of what has already been written upon the subject, and as such, it is hoped, be appreciated by those whose time is of value, and who desire to have an opportunity of judging of the relative merits of the different systems in a small compass. I took up the subject without any prejudices or preconceived notions. I have no theory

to support, no set system to advocate, and whatever may be the shortcomings of the work, and I know how many they are, I can at least lay claim to having been animated throughout with a spirit of perfect impartiality, which will, I trust, be evident in the composition of the following pages, and may recommend them to the mercy of the professional critics.

1, KING'S BENCH WALK, TEMPLE,
February, 1872.

LIST OF ABBREVIATIONS USED IN THE COURSE
OF THIS WORK.

1st Report of the Commission appointed to inquire into the best mode of distributing the Sewage of Towns, and applying it to beneficial and profitable uses, 1858, referred to as	1 <i>S. U. C.</i>
2nd ditto, ditto, 1861, referred to as	2 <i>S. U. C.</i>
3rd ditto, ditto, 1865, referred to as	3 <i>S. U. C.</i>
1st Report of the Commissioners appointed in 1868 to inquire into the best means of preventing the Pollution of Rivers, 1870, referred to as	1 <i>R. P. C.</i>
2nd ditto, ditto, 1870, referred to as	2 <i>R. P. C.</i>
3rd ditto, ditto, 1871, ditto	3 <i>R. P. C.</i>
4th ditto, ditto, 1872, ditto	4 <i>R. P. C.</i>
Report presented to the Tottenham Local Board of Health, by P. P. Marshall, Esq., C.E., and others, 1871, referred to as	<i>Tott. Rep.</i>
Report of the Sewage Inquiry Committee, presented to the Council of the Borough of Birmingham, October, 1871, referred to as	<i>Birm. Rep.</i>

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