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BRICKWORK 1

AND ASSOCIATED STUDIES

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Second Edition

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MACMILLAN

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First published 1979
Reprinted 1986, 1987, 1988
Second edition 1990

Published by
MACMILLAN EDUCATION LTD
Houndmills, Basingstoke, Hampshire RG21 2XS
and London
Companies and representatives
throughout the world

British Library Cataloguing in Publication Data
Bailey, Harold

Brickwork and associated studies.—2nd ed

Vol. 1

1. Brickwork — Manuals

I. Title II. Hancock, David W.

693'.21

ISBN 978-0-333-51955-4 ISBN 978-1-349-11377-4 (eBook)
DOI 10.1007/978-1-349-11377-4

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PREFACE

This series of three volumes is designed to provide an introduction to the brickwork craft and the construction industry for craft apprentices and all students involved in building. All too often, new entrants to the construction industry are expected to have a knowledge of calculations, geometry, science and technology irrespective of their previous education. It is the authors' aim to provide a course of study which is not only easily understood but is also able to show the relationship that exists between technology and associated studies.

The construction industry recognises that the modern craftsman, while maintaining a very high standard of skills, must be capable of accepting change — in methods, techniques and materials. Therefore it will be necessary for apprentices to develop new skills related to the constant advancements in technology.

The first volume deals with all work within the sub-structure of a building and the operations in which the bricklayer is involved. It will be appreciated that a knowledge of all related work is necessary if a successful start is to be made in this important area of construction.

The incentive at the beginning of an apprentice's career should be comparable to the craftsman's at the start of a building project — to reach a successful completion.

HAROLD BAILEY
DAVID HANCOCK

ACKNOWLEDGEMENTS

The authors wish to acknowledge the assistance and cooperation of J. & A. Jackson (Brick Manufacturers) Ltd.

FOREWORD: SAFETY IN BUILDING

There were almost 20,000 reportable injuries (those injuries involving more than three days' absence from work) in the Building Industry between April 1987 and 1988, including over 150 deaths.

The authors appreciate this opportunity to bring these appalling figures to the immediate attention of apprentice bricklayers, and at the same time to remind them of their responsibilities, as well as those of their employers.

The *Health and Safety at Work Act 1974* became effective in 1982. This Act made further provision to the existing *Construction Regulations* for ensuring the health, safety and welfare of persons at work, and may be briefly summarised as follows:

An employer must ensure as far as practicable

1. The health, safety and welfare of his employees while at work.
2. The provision, and maintenance, of safe plant and systems of work.
3. Information, instruction, training and supervision as necessary.
4. A safe place of work.

While at work an employee must

1. Take reasonable care of the health and safety of himself and all other persons who may be affected by his acts or omissions.
2. Co-operate fully with management in all health and safety matters.
3. Not interfere with, or misuse anything provided in the interests of health and safety.