FUNDAMENTALS OF WELDING SKILLS

Peter F. Woods

A.I.W.

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To Rosalie

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Preface

For the past fifteen years I have been a welding engineer, concerned with the invention, design, and development of new processes and equipment. Prior to this I spent some thirty years as a practical welder, working on such diverse projects as railway rolling-stock fabrication, pressure-vessel construction, armoured vehicles and aircraft, as well as motor-vehicle manufacture.

I therefore have something of a sense of dedication in writing this book. I want to share, within the limitations of the format of this book, my experiences in welding with you, the student.

The real secret of success is *enthusiasm*

If this book helps to instil this, then its purpose will have been accomplished – as will yours, for you will be reaching out to success . . .

I would like to express my sincere appreciation to B.O.C. Ltd, E.S.A.B. Ltd, A.G.A., U.K. Ltd, the Lincoln Electric Co. Ltd, C. S. Milne and Co. Ltd, and James Neill and Co. Ltd, for the use of photographs appearing in this book. My sincere thanks and appreciation also go to Mrs Valerie Bryon, who typed the manuscript, and to Ruby, for her inspiration.

Peter F. Woods