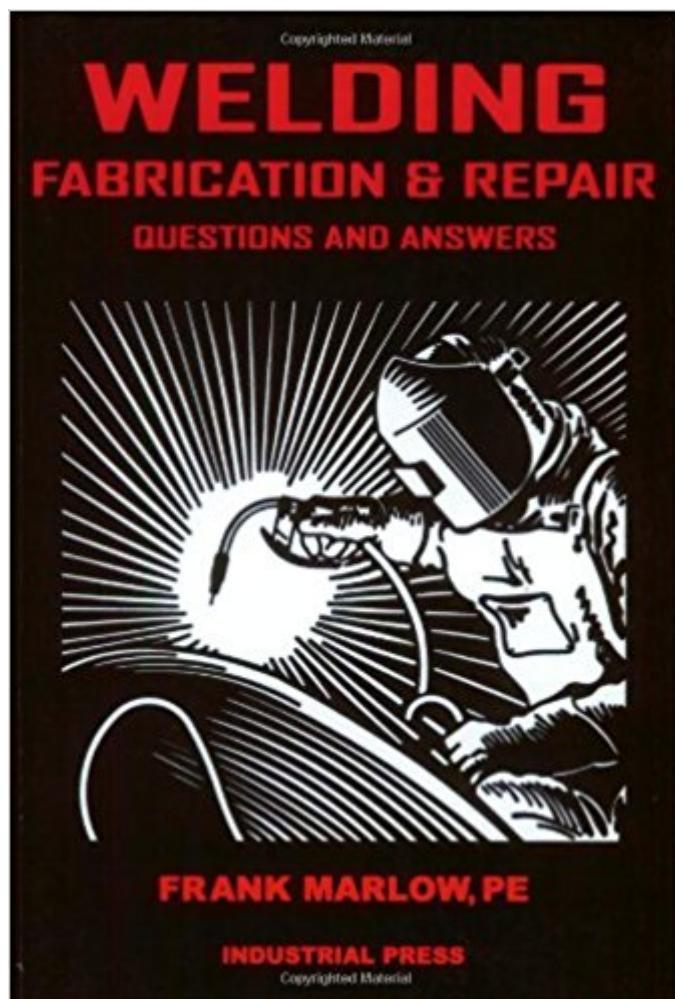


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# Welding Fabrication And Repair



## Synopsis

Written by the coauthor of the best-selling book *Welding Essentials*, this practical guide provides insights, ideas, and tips for solving real-world fabrication problems. By presenting a broad range of methods from different welding specialties and a brief, clear understanding of the non-welding knowledge nearly all welders must have to advance in their trade, *Welding Fabrication and Repair* can shorten the time needed to develop effective problem-solving skills. Created for welders who know the basics and now want to put their skills to better use, this book is one of only a handful of truly "must have" welding references. A question-and-answer format, providing concise answers to each question. The capabilities of oxygen and exothermic lances; flame bending, flame straightening, line heating and panel shrinking; industrial threaded fasteners; specialized welding clamps, fixtures, welding platens, and cutting pyramids. Common welding tools, equipment and accessories, along with a listing of the leading suppliers and their web sites in a separate chapter. Welding and cutting tables including designs and advantages. Solutions to common welding problems. Detailed checklist of considerations in designing products with welds. 300 original illustrations fully explain concepts, ideas and insights. The ways welders solve problems from building up a worn shaft with weld metal, to welding perforated steel screening onto frames, to extending the capacity of a welding machine. The most common pipe and vehicle welding methods, how weldments can replace castings, and the basics of the science of strength of materials. Structural steel practices for joints, column splices, bolting and guidelines for sizing welds.

## Book Information

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Textbooks

## Customer Reviews

I am an amateur welder who takes his welding seriously. Two books that welder should have are: The Procedure Handbook For Welding /Lincoln publications New Lessons In Arc Welding/Lincoln publications Both are available from Lincoln for absurdly low cost. This book is a sort of complement to The Procedure Handbook. It covers a lot of the same subjects but with a very practical bent. It has tips on jigging and fixtures, how to design welds for common applications so that they minimize stress, how to design welds so that you can actually reach the joints when you construct them. Particularly interesting to me was a detailed section on bending or straightening steel by strategic heating and cooling. It also has useful guides on brazing and on soldering copper pipes. Though I am comfortable with both these procedures, I learned quite a bit from Marlowe's book. It's easy to read, the diagrams are clear. Just a few minutes browsing will reward you with something useful you didn't know. Perhaps if you are a pipeline welder or have been working in fabrication for 20 years, this book won't teach you much. But for the rest of us, it's a goldmine.

A good book for shop workers, bricoleurs and also students. Practical techniques are very well illustrated also with simple drawings. Every steelworker can find interesting suggestion in the book.

This book supports the information that is provided to me at Technical College. I find this book puts information provided in an easy to read and understand format, this is of great assistance. The amount of information shared is outstanding.

This book is one of my favorites. It has so many "old school" tips and techniques. Good pictures and diagrams to explain the text also. I keep going back to it and brushing up on its contents.

helps

Good price!!!

good book!

Really good ref book on how to do certain repairs and simple fab jobs. It's on the shelf in my shop.

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