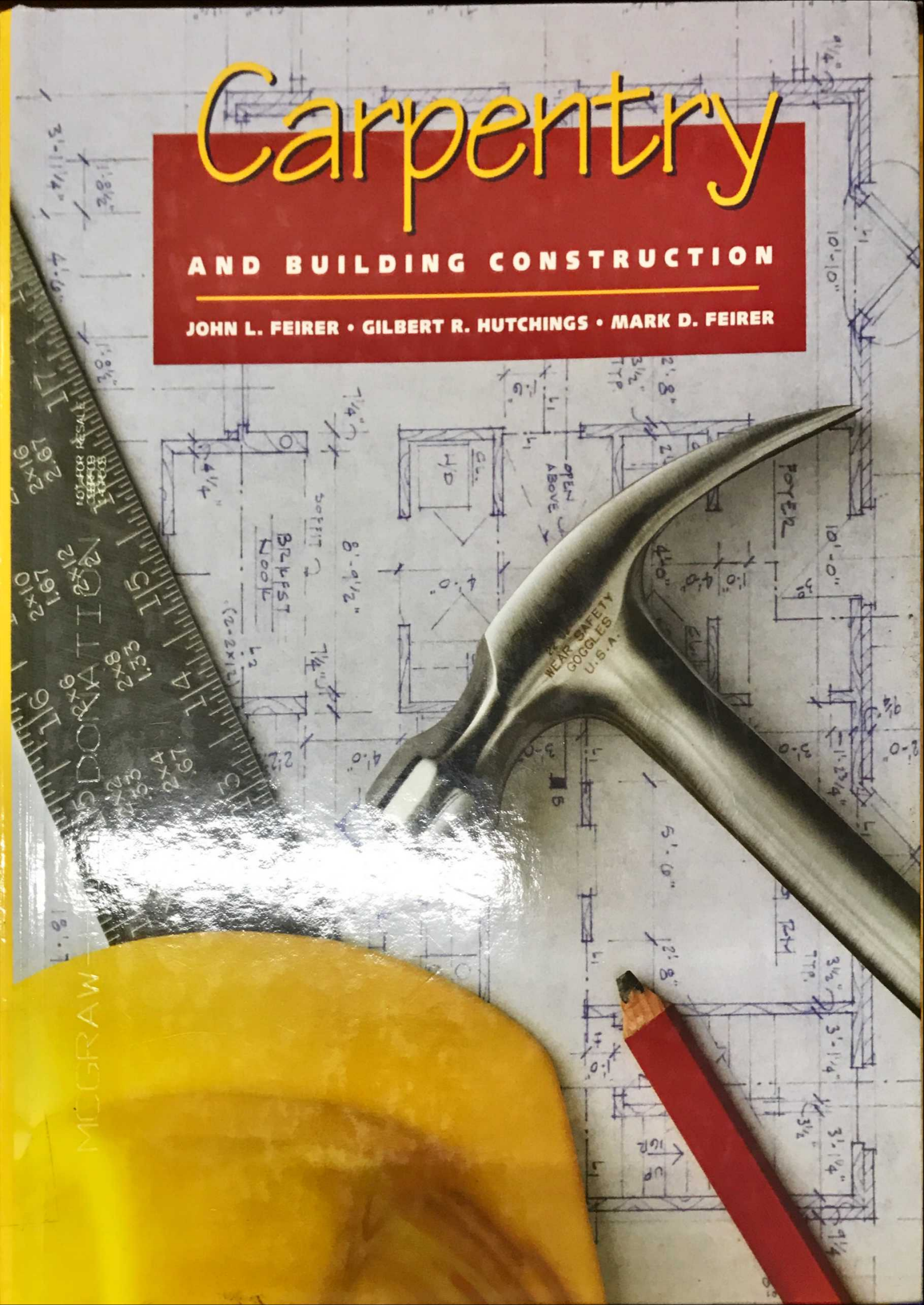


Carpentry

AND BUILDING CONSTRUCTION

JOHN L. FEIRER • GILBERT R. HUTCHINGS • MARK D. FEIRER



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Carpentry

AND BUILDING CONSTRUCTION

FIFTH EDITION

John J. Yellon • Gilbert R. Hurlings • Mark D. Foster



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Preface

This new edition of *Carpentry and Building Construction* builds on the updated information presented in the previous edition. The text retains its strong focus on the many new tools, materials, and techniques now being used in the residential construction industry. For example, the text provides information on metal framing connectors, glulams and wood I-beams, pneumatic nailers and staplers, plate joiners, ceramic tiles, and mechanical systems. School-to-work activities are now included at the end of many units. New appendices provide information on metric construction, math concepts, science concepts, employability skills, and communications skills.

This book has been designed as a basic text for students in wood technology classes at the high school, vocational school, and community junior college levels. It will also be helpful to those in apprenticeship training and to do-it-yourselfers who wish to undertake building or remodeling projects. The text emphasizes careful work habits and attention to building codes.

Building a house calls for the use of a great variety of materials. This book includes discussions of many of them—in particular, poured concrete, brick-veneer, and concrete masonry units. However, wood remains the basic material for most homes built in the United States. For

this reason, *Carpentry and Building Construction* includes a wealth of detailed information on this subject.

In revising this text, the authors have reviewed courses of study from schools, trade unions, and public agencies to determine what should be included. They have also carefully reviewed technical materials from companies and other organizations involved in building construction. Finally, they have drawn upon professional experience in the building trades and many years of teaching.

Students who carefully study this text should achieve the following behavioral objectives:

- ▶ To be able to identify career opportunities in the building trades.
- ▶ To be able to demonstrate competency in the use of the materials and hand and power tools used in building construction.
- ▶ To be able to understand the building codes used in residential building construction.
- ▶ To be able to read the prints and technical materials used in building a home.
- ▶ To be able to demonstrate skills meeting or exceeding recognized standards.

The many companies and individuals who have contributed to this work are recognized in the Acknowledgments.

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