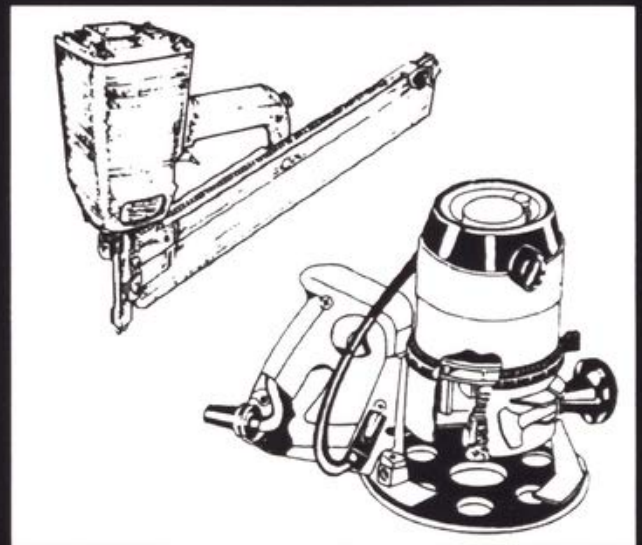
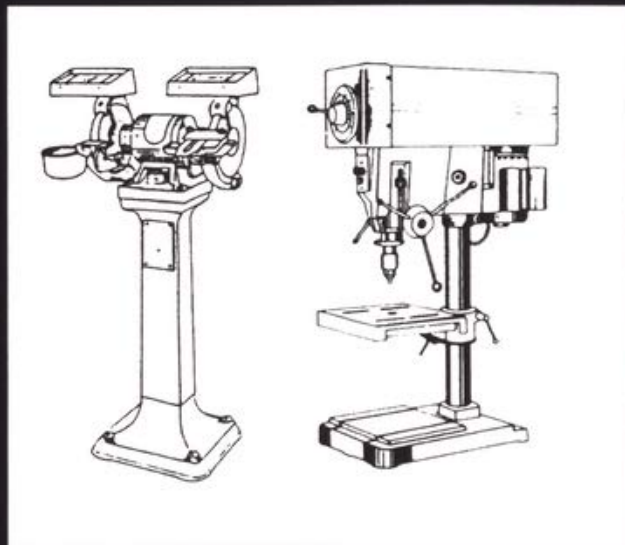


POWER TOOL SAFETY AND OPERATION



**Woodworking
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INTRODUCTION

This manual has been designed to give the reader a basic understanding of concrete. The text has been developed primarily for students in high schools, trade and vocational-technical schools, and other postsecondary schools for use in programs where concrete and concrete masonry instruction is taught. This manual is also of value to home owners planning to work with concrete.

The essential subject matter of this text is enhanced by related classroom and laboratory exercises. Instructors can use these exercises to direct and evaluate activities in educational programs.

Due to its desirable qualities, concrete is widely used in construction. This manual discusses different types of cement and their use in the construction industry. The ingredients that make up concrete and the mixture of these ingredients significantly affect the quality of the concrete. Factors such as proper site preparation, form construction and design, reinforcement methods, and placement help ensure that the concrete will have a long and useful life. The importance of using proper finishing and curing processes is stressed, and the final unit of this manual includes information on concrete masonry and masonry construction procedures.

Each unit of *Concrete and Concrete Masonry* includes a **Definition of Terms** section and **Classroom Exercises** that feature questions to help students understand the material covered in each chapter. **Suggested Laboratory Exercises** are also included in the units where applicable.

The study of concrete and concrete masonry and the related laboratory activities should be an exciting and enjoyable experience for students. This manual's purpose is to help fulfill this goal.

Acknowledgment is given to the Portland Cement Association for providing numerous illustrations and photos, including the cover images, used in this manual.

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HOBAR PUBLICATIONS

A Division of Finney Company
3943 Meadowbrook Road
Minneapolis, Minnesota 55426
Phone: (800) 846-7027
Web site: www.finney-hobar.com

First Printing	1976
Second Printing	1977
Third Printing	1979
Fourth Printing	1981
Fifth Printing	1984
Complete Revision	1988
Complete Revision	1996
Eighth Printing	1998
Partial Revision	2004

ISBN: 0-913163-37-6

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