



Workbook to Accompany

Woodworking

Nancy Macdonald



2ND
EDITION

W O R K B O O K
to Accompany
Woodworking

Second Edition

Nancy Macdonald



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**Workbook to Accompany Woodworking,
Second Edition**
Nancy Macdonald

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ISBN-13: 978-1-133-94962-6

ISBN-10: 1-133-94962-2

Delmar

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Preface

This workbook is designed to accompany *Woodworking*, second edition, and is intended to provide a multitude of exercises to practice what you have learned in the book, as well as to evaluate your progress through the skills and techniques associated with constructing new projects.

It includes two sections:

Section I—Practice Questions

Each chapter within this section consists of various question types to check your learning as it relates to the key concepts presented in the corresponding chapter in the book. These questions include multiple choice, completion, identification, and short answer. Complete each set of questions following your study of the chapter material. Review any material that you miss. Your instructor may also choose to assign as classwork or homework, and require you to submit for grading.

Section II—Skill Sheets

Each of these sheets is based on a Procedure outlined in the book, and allow an instructor a method for evaluating your skills in the lab environment. Each skill sheet is based on a standard template, and includes information that you need to complete the skill, a scale for evaluating your accomplishment of each step in the skill, and page references for the book if you need to further study a particular procedure. These sheets are designed to be completed by the instructor and utilized for grading purposes.

Along with the author, we at Cengage Learning encourage you to take advantage of the exercises in this workbook to help lead you toward a pathway of success in this trade.

Enjoy your experience as a woodworker, and we wish you luck!

Workbook

PART I

PRACTICE QUESTIONS

SECTION I: INTRODUCTION TO THE WORLD OF WOODWORKING

CHAPTER

1

The Woodworking Industry

MULTIPLE CHOICE

Identify the choice that best completes the statement or answers the question.

- _____ 1. Planes, saws, and hammers were first used in _____ and look very much like the same tools we use today.
- ancient Rome
 - England
 - the Middle Ages
 - the Industrial Revolution
- _____ 2. Early settlers needed wood for building homes, barns, business establishments, and the ships that transported goods. They built mills powered by _____ to grind grain for flour and to turn logs into lumber.
- geothermal energy
 - slave labor
 - water wheels
 - solar energy
- _____ 3. The invention of the circular saw, which no carpenter today can imagine working without, is credited to _____.
- the ancient Romans
 - the trade guilds in Western Europe
 - someone watching the action of a windmill
 - the Shakers
- _____ 4. During the Middle Ages in Europe, a young man would be sent out to train with a master at the age of 7 or 8, and typically worked for him for a period of 7 years. He was called a(n) _____.
- novice
 - apprentice
 - cadet
 - journeyman

- _____ 5. During the Middle Ages in Europe, the _____ were above the journeymen.
- bosses
 - superintendents
 - foremen
 - masters
- _____ 6. Today, more than _____ people are employed in one capacity or another in working with wood.
- 10,000
 - 100,000
 - 500,000
 - 2 million
- _____ 7. The U.S. Department of Labor's _____ is a good resource you can utilize from your computer to learn more about careers in various categories.
- Bureau of Labor Statistics
 - Bureau of Engraving
 - Bureau of Mines
 - Treasury Department
- _____ 8. The U.S. Department of Labor's _____ gives you information on the nature of the work, working conditions, employment, training and advancement, job outlook, earnings, related occupations, and sources of additional information.
- Student Career Handbook
 - Census
 - Income Statistics Report
 - Occupational Outlook Handbook
- _____ 9. _____ is a national organization serving high school and college students who are enrolled in technical, skilled, and service programs.
- The YMCA
 - The Masons
 - VISTA
 - Skills USA
- _____ 10. The first thing a person notices about you is _____.
- the way you talk
 - the way you look
 - the kind of briefcase you carry
 - the way you shake hands

COMPLETION

Complete each statement.

- The first tools were made of _____ and bone, which were often fastened to wooden handles.
- By the 1600s, the white pine of the Northeast was highly prized by _____ for masts.

3. The advent of steam power and later _____ made it easier to process lumber, and allowed lumber to be processed much faster.
4. It is possible today for an operator using “ _____ numerical controls (CNC)” to program a machine to perform a sequence of operations automatically.
5. During the Middle Ages, an apprentice gained _____ status at the end of his apprenticeship and upon demonstrating his skills.
6. The word “craft” comes from the old English word *craft*, meaning “ _____.”
7. A(n) _____ is an organization of wage earners formed for the purpose of serving the members’ interest with respect to wages and working conditions.
8. A(n) _____ is supervised, practical training undertaken by a student or recent graduate.
9. A(n) _____ is a brief account of one’s professional or work experience and qualifications designed to give potential employers a snapshot of who you are and what you can offer to their company.
10. A(n) _____ is a formal meeting in person arranged for the assessment of the qualifications of an applicant.

IDENTIFICATION

Identify each item pictured below. Write the letter of the best answer on the line next to each number.

a.



b.



c.



d.

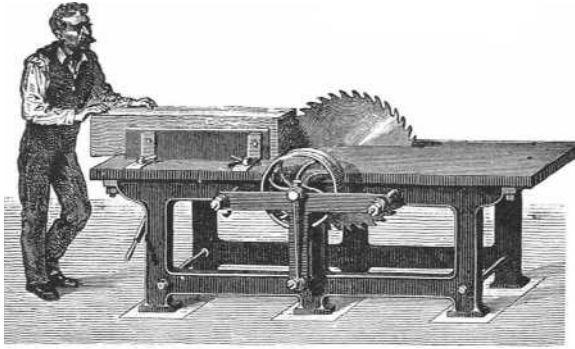


Image courtesy of The Society for the Prevention of Old Mills, Glen Mills, Pennsylvania

e.



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- ___ 1. plans being drawn using drafting software
- ___ 2. table saw
- ___ 3. installing hardwood floors
- ___ 4. completed deck
- ___ 5. pit saw

SHORT ANSWER

1. Explain what a water wheel is and how it works.

CHAPTER

2

General Safety Practices

MULTIPLE CHOICE

Identify the choice that best completes the statement or answers the question.

- _____ 1. If you cannot keep your attention on what you are doing, you should _____.
a. use dangerous tools only during daylight hours
b. not operate dangerous tools
c. use dangerous tools only at night
d. have an assistant who will warn you of dangers
- _____ 2. A simple auxiliary jig for holding a small piece while boring on the drill press is a hand-screw _____.
a. clamp
b. push stick
c. shield
d. chisel
- _____ 3. If you wear corrective glasses in the shop, they should be _____.
a. shatter-resistant
b. lightweight
c. plastic
d. set in a wraparound frame
- _____ 4. Wood dust has been linked to certain types of _____, such as lymphoma.
a. asthma
b. allergies
c. cancer
d. bacterial infections
- _____ 5. If you work with _____, you must be particularly careful to clean up when you finish working for the day, because the combination of wood dust, moisture, and sufficient oxygen can lead to spontaneous combustion.
a. respirators
b. pine
c. sawdust
d. green wood