

AGRICULTURAL MECHANICS, 5E
Fundamentals & Applications

This expanded edition offers the latest information, providing instruction on basic mechanical skills and applications, as well as career opportunities for students in high school and post-secondary programs. Topics covered range from tool identification and maintenance, small engines, electricity, and electronics, to construction and masonry. Objectives and competencies to be developed are included in each section, along with a list of new terms, a materials list, student activities, and self-evaluations. This edition is vividly illustrated with full-color photos, charts, and diagrams. DELMAR



Text: 870 pages, 2006, hardcover
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ClassMaster CD-ROM: Includes a Computerized Testbank, Instructor's Guide, and Teacher Resource Materials. For Windows & Mac.
 Order Number: 5961-5\$426.95



AG ENGINEERING LIBRARY

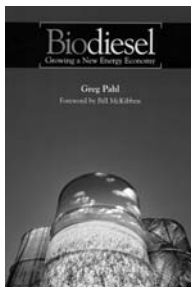
This CD is loaded with a wealth of comprehensive lessons, each complete with a student portion, exercises, test and teacher's guide. Some lessons have PowerPoints® to use along with the lessons and some lessons also have interactive crossword puzzles using vocabulary terms from the lessons. Areas covered in these lessons include woodworking, painting, portable power tools, stationary power tools, tool maintenance and repair, gas welding and cutting, arc welding, small gasoline engines, electrical wiring, electric motors, plumbing, irrigation systems, hydraulics, concrete and masonry, farm building materials, aquaculture and greenhouse systems, farm buildings and related structures, and wood technology. For Windows and Mac. AGEDNET



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BIODIESEL, 2E
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Biodiesel is produced from domestic feedstocks, reducing the need for foreign oil while boosting the local economy and supporting the agricultural community. In this essential book, the author shares the history of biodiesel, explains the technology in straightforward terms, and explores its exciting potential in the United States and beyond, including resources you can use to buy or make your own biodiesel. CHELSEA GREEN



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Metal: broom rack, clothes line pole, yard trailer, baseball "T" stand, deer stand, grooming chute, boot scraper, car ramps, can crusher, post driver, bail spike, implement mover, wood rack, show panel, "T" post puller. 1994. IML

softcover/drilled
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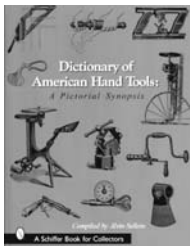
FIVE HUNDRED AND SEVEN MECHANICAL MOVEMENTS



Over five hundred simple mechanical movements from America's first one hundred years of the Industrial Revolution. Through the use of simplified, concise drawings, here are 507 of the small components which make up complex machinery in areas as diverse as C.R. Otis's safety stop for the elevator, Pickering's governor for a steam engine, Arnold's escapement for watches, compound parallel rules, piston rod guides, the grasshopper beam engine and a self-recording level for surveyors. Each movement is explained and illustrated. ASTRAGAL PRESS

122 pages, 1995, softcover
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DICTIONARY OF AMERICAN HAND TOOLS

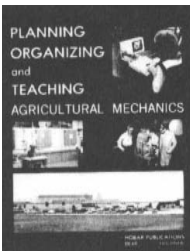


Here is a fascinating chronicle of nearly every tool ever used in North America, including ancient tools used by Native Americans; trade tools used to create coaches, pianos, ships, and saddles; tools for harvesting farm goods, turpentine, and ice; and tools for fine trades such as book-binding and watch repair. The tools are organized according to profession, from

beekeeper to wheelwright. This comprehensive volume includes more than 4,500 images from catalog illustrations and trade literature, as well as hand drawings. Descriptions provide dimensions and applications. SCHIFFER

546 pages, 2002, hardcover
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PLANNING, ORGANIZING & TEACHING AGRICULTURAL MECHANICS



This one of a kind manual with over 125 tables & illustrations covers the important topics related to planning, organizing, and teaching mechanics courses. Each unit includes classroom exercises and summarizing points to further emphasize the topic covered. The appendix includes many forms and teaching aids to enhance your instructional program. Special emphasis is given to the shop safety program. HOBAR

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TOOLS OF THE TRADE

This six-part series inventories basic trade-specific gear while giving viewers a glimpse of what it's like to be a plumber, a carpenter, a mason, a welder, an electrician, or an automotive technician. Tool use is demonstrated within the context of real-world applications; safety considerations and code concerns are flagged. A comprehensive overview of popular—and profitable!—trades. Correlates to all National CTE Organizational Standards (including the provisions of the Perkins Act). Viewable/printable instructor's guides are available online. 6-part series, 19-32 minutes each, 2008, SHOPWARE

DVD Order Number: SW38974-D.....\$539.70



HAND TOOL IDENTIFICATION

Provides images for approximately 300 hand tools. The tools are divided into 18 categories: clamps, cutting and scraping tools, drilling and boring tools, files, hammers and striking tools, leveling tools, measuring tools, miscellaneous tools, planes, pliers, pry bars, punches and chisels, saws, screwdrivers, small gas engine tools, squares, threading tools, and wrenches. The presentation includes a set of images with names, a practice set that includes use, size and maintenance, and the final set of the presentation includes an interactive quizzing session. For Windows and Mac. 2005. UNIV OF IL

Order Number: IL-MDS340.....\$149.00



TOOL IDENTIFICATION SERIES

HAND TOOL IDENTIFICATION AND TERMINOLOGY I

Proper hand tool identification is essential for the safe and correct usage of any hand tool. A wide variety of screwdrivers, hammers, pliers, punches, and chisels are shown, identified and discussed. This video includes proper names, distinguishing characteristics, safety tips, and the proper usage of each tool. 20 minutes. CEV

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HAND TOOL IDENTIFICATION AND TERMINOLOGY II

Various types of wrenches (including open-end, box-end, adjustable, and torque) as well as sockets, ratchets, and various accessories. are featured in this educational video presentation. This video provides distinguishing characteristics of each tool and demonstrates its proper usage. 20 minutes. CEV

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HAND TOOL IDENTIFICATION AND TERMINOLOGY III

This video tape includes micrometers, screw extractors, twist drills, taps and dies, as well as other general cold metal tools. Each tool is displayed and accompanied by a description identifying distinguishing characteristics and proper usage. 22 minutes. CEV

DVD Order Number: CEV825D.....\$49.00

PRACTICE HAND TOOL IDENTIFICATION I

Forty general purpose and mechanical hand tools including several types of screwdrivers, hammers, pliers, punches, chisels, and wrenches are presented here. The tools are presented in two classes of 20 tools each; tools are shown individually and followed by a key. 19 minutes. CEV

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PRACTICE HAND TOOL IDENTIFICATION II

This video includes 40 tools divided into two classes of 20 tools each. Each class is followed by a key identifying correct names and primary uses of each tool. Tools included are screwdrivers, hammers, pliers, punches, chisels, wrenches, and other general cold metal tools. 19 minutes. CEV

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