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THE ART OF WOODWORKING

# CABINETMAKING





*In Loving Memory*

*Tucker*

*1999-2004*

# WORKSHOP GUIDE

## SAFETY TIPS

### POWER TOOLS

- Wear appropriate safety gear: safety glasses, a face shield for extra protection, and hearing protectors or ear plugs. If there is no dust collection system, wear a dust mask. For exotic woods such as ebony, use a respirator; the sawdust may cause an allergic reaction. Wear work gloves when handling rough lumber.
- Do not use a tool if any part of it is worn or damaged.
- Keep your hands well away from a turning blade or bit.
- Drape the power cord of a portable tool over your shoulder to prevent it from getting in the way and being damaged.

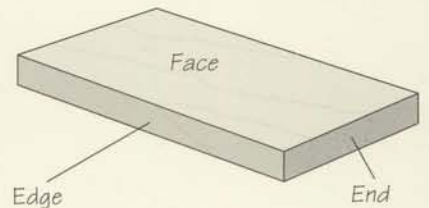
- Concentrate on the job; do not rush. Never work when you are tired, stressed or have been drinking alcohol or using medications that induce drowsiness.
- Keep your work area clean and tidy; clutter can lead to accidents, and sawdust and wood scraps can be a fire hazard.

### HAND TOOLS

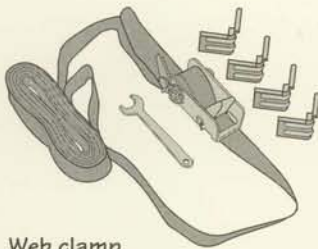
- Use the appropriate tool for the job; do not try to make a tool do something for which it was not designed.
- Clamp down a workpiece to free both hands for an operation.
- Cut away from yourself rather than toward your body.

- Do not force a tool; try removing less material, or sharpen the cutting edge.
- Keep the edges of cutting tools sharp.

## ANATOMY OF A BOARD



## CABINETMAKING CLAMPS



### Web clamp

Also known as band clamp or strap clamp; typically available with strap 15 feet in length. For applying pressure in more than one direction, such as clamping four chair legs at once.

### Quick-action clamp

Also known as cabinetmaker's clamp; typically has a 2½-inch throat depth and a 4-inch span, but also available in larger sizes.



### Spring clamp

Available in a variety of sizes for clamping up to 4 inches; some models have plastic tips to protect stock.



### Double-sided clamp

One side of clamp secured to work surface and other side to stock; features a reach of up to 50 inches depending on the model.



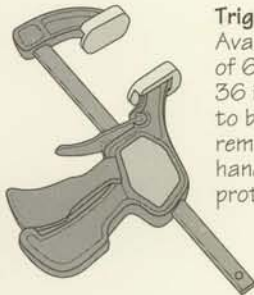
### C clamp

Available in sizes up to 12 inches and with deep throats for extended clamping reach.



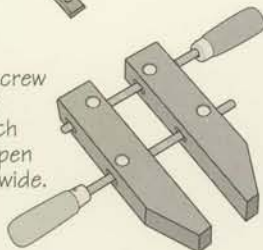
### Trigger clamp

Available in spans of 6, 12, 18, 24 and 36 inches; designed to be installed and removed with one hand. Padded jaws protect stock.



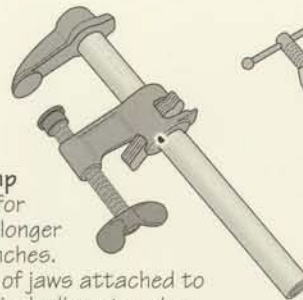
### Handscrew

Also known as screw clamp. Comes in various sizes with jaws that can open up to 16 inches wide.



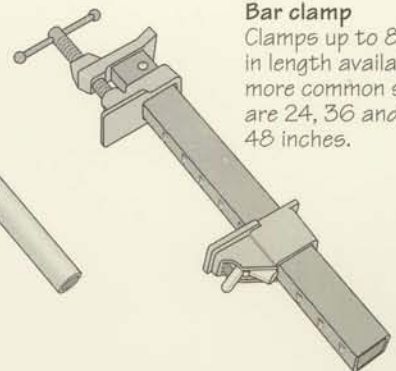
### Pipe clamp

Suitable for clamping longer than 12 inches. Consists of jaws attached to ½- or ¾-inch-diameter pipe; pipe length can be customized to fit a particular span.



### Bar clamp

Clamps up to 8 feet in length available; more common sizes are 24, 36 and 48 inches.



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# CONTENTS

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- 6 INTRODUCTION**
- 12 CABINETMAKING TECHNIQUES**
- 16 CARCASE CONSTRUCTION**
  - 18 Anatomy of a carcass
  - 20 Making wide panels
  - 27 Carcase joinery
  - 39 Edge banding
  - 41 Shelving
- 44 FRAME-AND-PANEL CONSTRUCTION**
  - 46 Anatomy of a frame-and-panel assembly
  - 48 Making the frame
  - 53 Making the panel
  - 57 Putting the panel in the frame
  - 59 Assembling a frame-and-panel case
  - 60 Installing a bottom panel
  - 61 Shelving
  - 64 Installing a top
  - 69 Installing molding
- 72 DRAWERS**
  - 74 Anatomy of a drawer
  - 76 Drawer joinery
  - 85 Assembling a drawer
  - 87 Mounting a drawer
  - 95 Drawer stops
  - 97 False fronts and hardware
- 100 DOORS**
  - 102 Anatomy of a door
  - 104 Frame-and-panel doors
  - 108 Solid-panel doors
  - 111 Glass doors
  - 113 Veneered-panel doors
  - 115 Hanging a door
- 120 LEGS**
  - 122 Anatomy of a cabriole leg
  - 124 Cabriole legs
  - 128 Tapered and octagonal legs
  - 131 Inlays and detailing
  - 133 Leg joinery
- 140 GLOSSARY**
- 142 INDEX**
- 144 ACKNOWLEDGMENTS**