

# SCENERY MATERIALS AND THEIR USES

## SCENERY MATERIALS

## DESCRIPTION

## COMMON USES

### HARDWARE:

hinges	loose pin, tight pin, butt hing, strap hing, piano	pivits: (door, window, flat); joiners:(2 flats)
latches	barrel bolt, magnetic latch, rim, mortice	used to keep miving piece in closed/stop position
casters	plate, stationary, swival, stem	used to roll material; larger the wheel=better it rolls

### FASTENERS:

nails	common nail, box nail; 8D, 6D, 12D	used for longer duration
screws	drywall: sharp point, long shank	used where stress on joint may pull out
bolts	strongest; carriage: rounded head	used with wood/platforms

### MARKING & MEASURING TOOLS

tape measurer	different lengths; thickness	never pop back; flexible tips
folding rule	wood; 6 ft. long	unfold what you need to measure
chalk line	wound cloth line in chalk	stretch out, set and prick string
combination square	90' and 45' angles	used as marking tool with lock to hold in place
framing square	made of steel; smaller	used to get 90' angles mostly
t-square	steel; larger	used to mark cross cuts; best for 90'
bevel gauge	adjustable for angles	used to set level of angles
spirit level	horizontal, verticle and 45'	used to check the balance of something

### CUTTING TOOLS

crosscut saw	Knife teeth; straight and sharp	cut across grain
rip saw	chisel teeth; angled and flat	cut with grain
keyhole saw	small handheld	used to cut in small areas; curved shapes
hacksaw	handheld; adjustable tension blade	used mainly to cut metal
saber saw; jig saw	electrical; adjustable blade	used to cut wood with curves; push through
miter box & back saw	box with different cuts	used to cut angles
end nips	long and skinny	used to cut small tight things/take staple out
tin shears	thick	used to cut thin pieces of metal
matt knife	retractable razor blade	cut cardboard type items; not wood
portable circular saw	electrical; round blade with guard	used for cross or rip cuts; keep blade 1/8" showing

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### PLAINING & PARING TOOLS

wood chisel	flat with a beveled side	used to chisel wood/ must be sharp
rat tail file	rounded file	file in small places
wood file	surface: (/////)	file wood (finishing)
metal file	surface: (xxxxx)	file metal
rasp	surface: (====) and deep	use first
router	electrical; blade on top & spins	used for shaping and carving
smoothing plane	blade is less angled/retractable	designed to work on surface or edge with grain
sand paper	sheets of paper with different grains	smoothing course surfaces

### BORING TOOLS

power drill	electical; install drill bit, frwd/rvrs bits: auger, twist, paddle, coutersink	high: metal low: wood
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### DRIVING TOOLS

claw hammer	curved front	used to pull out nails
ball peen hammer	rounded ball end	used flatten metal w/out leaving marks
tack hammer	light weight head; magnetic	hammer tacks
staple gun	spring loaded	drive staples; diff. sizes
pneumatic staple gun	horizontal staple cartridge	uses air pressure to drive staples
jaw wrench	adjustable to fit nut/bolt	tighten or loosen nuts/bolts
flat-head screwdriver	fits slotted screws	use right size to fit screw and drive
phillips screwdriver	fits phillips screws *	use right size to fit screw and drive
socket wrench	ratchets back; different socket sizes	tighten or loosen nuts/bolts

### PRYING & CLAMPING TOOLS

c-clamp	adjustable, shaped like a "C"	clamp different size items
pry bar	smaller than wrecking bar	pry small item apart
slip joint pliers	joint pivots	used to hold things

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