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Picture Frame (Roman/Chamfer Edge)

Tools Required:

- Router
 - Router Table (Optional)
 - Router Guard
 - Router Bits:
 - 3/8-in. Rabbet
 - 1/4-in. Roman Ogee
 - 45° Chamfer
 - Arbor and Pilot Set
- (TO PRODUCE MITER CUT)
- Miter Box or Miter Saw, Circular or Table Saw
 - 4 Corner Frame Clamps or 90° Corner Clamps

Other:

- Pencil
- Tape Measure
- Sandpaper (120 grit)
- Wood Glue
- Nails, Nail Set

Dimensions and Material List:

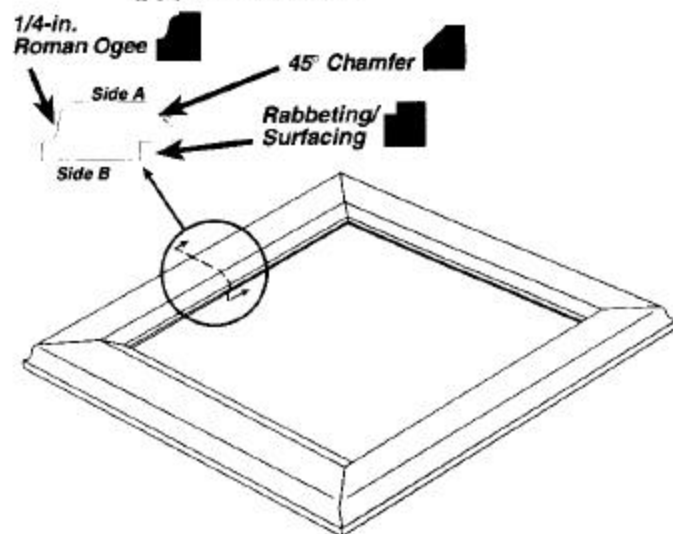
NOTE: To determine length of wood needed, measure the outside of picture to be used and add 8-1/2-in. to allow for miters (i.e. If picture perimeter is 50-in. select wood 58-1/2-in.).

- Length: Picture perimeter + 8-1/2-in.
- Width: 1-7/8-in.
- Thickness: 3/4-in.

NOTE: Make all router cuts on the full length of wood **BEFORE** you miter to size.

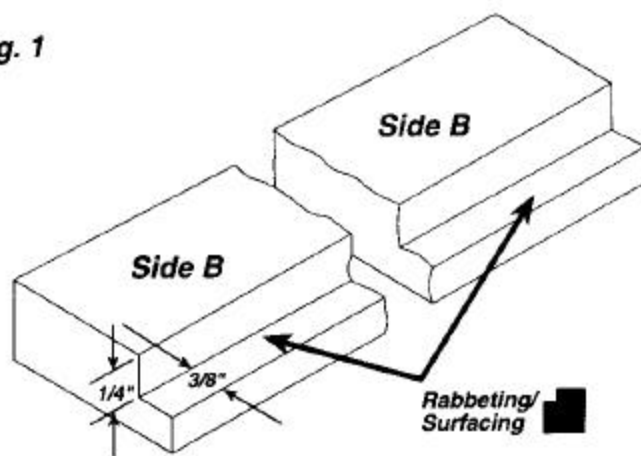
As with all routing operations make several passes to produce finished depth and always make practice cuts on a scrap piece of wood.

STEP 1: Choose the best side of wood, the side with the fewest defects and make it Side A. The side with more defects will become Side B.



STEP 2: (2 passes will be made to produce a 1/4-in. deep rabbet. See Figure 1) Using the 3/8-in. rabbet bit adjust to make a 1/8-in. deep cut. Now router the full length of the wood. Do this on Side B (the defective side). Now adjust to 1/4-in. deep and router the full length of the wood.

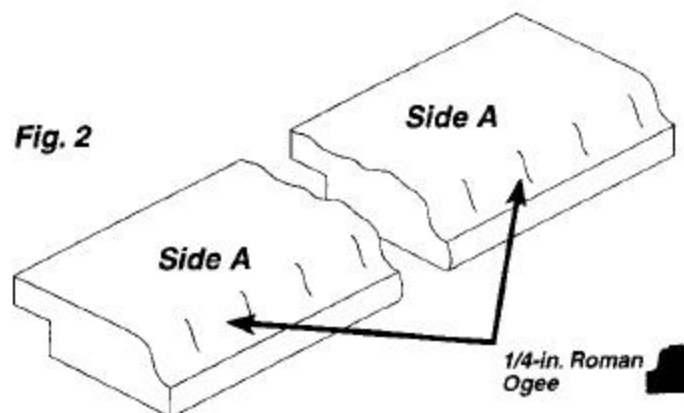
Fig. 1



STEP 3: Using the 1/4-in. roman ogee bit router as shown in Figure 2. Router full length of the wood on Side A to the desired depth.

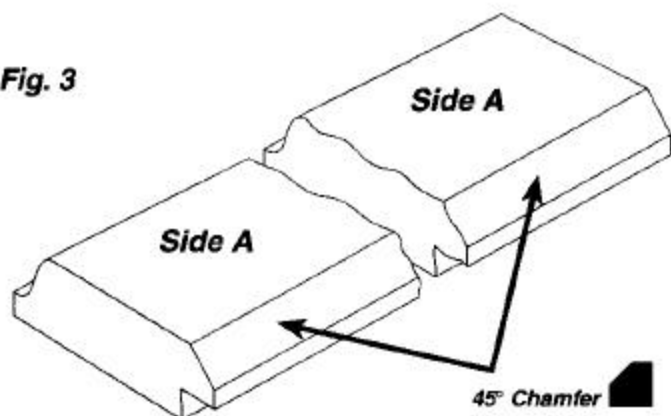
NOTE: See orientation of roman ogee and rabbet (Figure 2).

Fig. 2



STEP 4: Using the 45° chamfering bit, chamfer the edge above the rabbet to desired depth. See Figure 3.

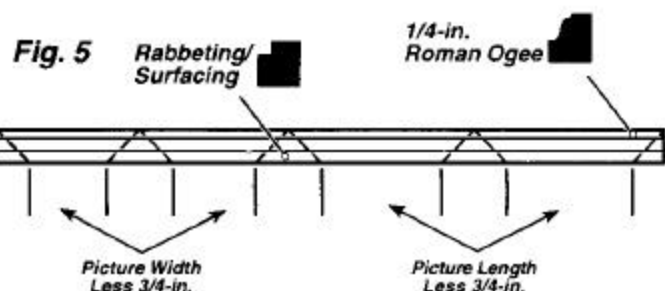
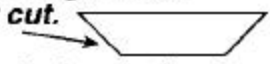
Fig. 3



STEP 6: 4 Pieces of wood will be mitered for picture frame...2 widths and 2 lengths. Mark a width measurement and miter 45°.

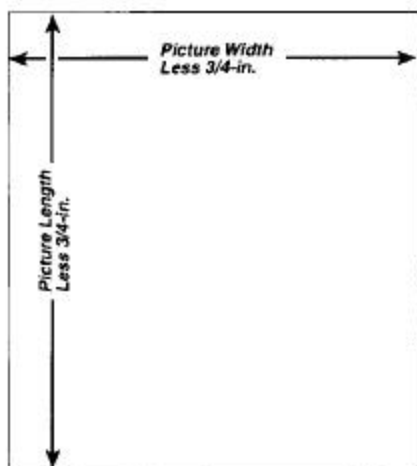
NOTE: Be sure to allow enough wood for angle of miter cut.

Measure, mark and miter 1 piece at a time. See Figure 5.



STEP 5: Measure picture width and picture length. Take 3/4-in. off measurement of width (i.e. If picture is 24-3/4-in. wide, measurement will be 24-in.). Take 3/4-in. off measurement of length (i.e. If length is 26-in., reduce to 25-1/4-in.).

Fig. 4

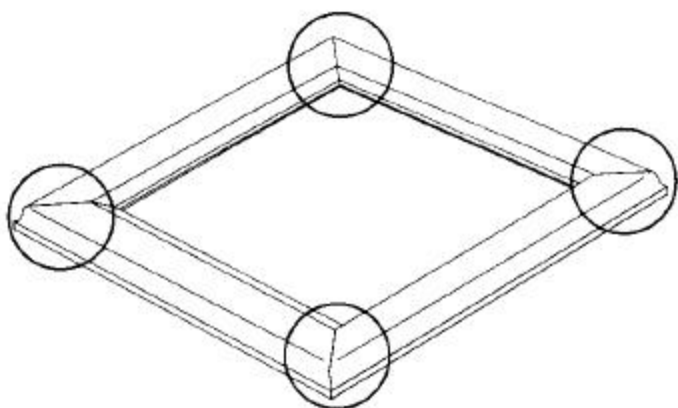


NOTE: You will cut outside 45° miters, using a miter box, miter saw, table saw...If using a circular saw, an edge guide must be used to produce an exact 45° angle.

STEP 7: Glue and nail (optional) frame components. Use clamps to hold miters tight and even.

STEP 8: Sand and finish as desired.

Fig. 6



Picture Frame (Bead/Corner Edge)

Tools Required:

- Router
- Router Table (Optional)
- Router Guard
- Router Bits:
 - 1/4-in. Straight Bit
 - 3/8-in. Bead/Corner Round Bit
 - 1/4-in. Roman Ogee (Optional)
 - 45° Chamfer (Optional)
 - Arbor and Pilot Set

(TO PRODUCE MITER CUT)

- Miter Box or Miter Saw, Circular or Table Saw
- 4 Corner Frame Clamps or 90° Corner Clamps

Other:

- Pencil
- Tape Measure
- Sandpaper (120 grit)
- Wood Glue
- Nails, Nail Set

Dimensions and Material List:

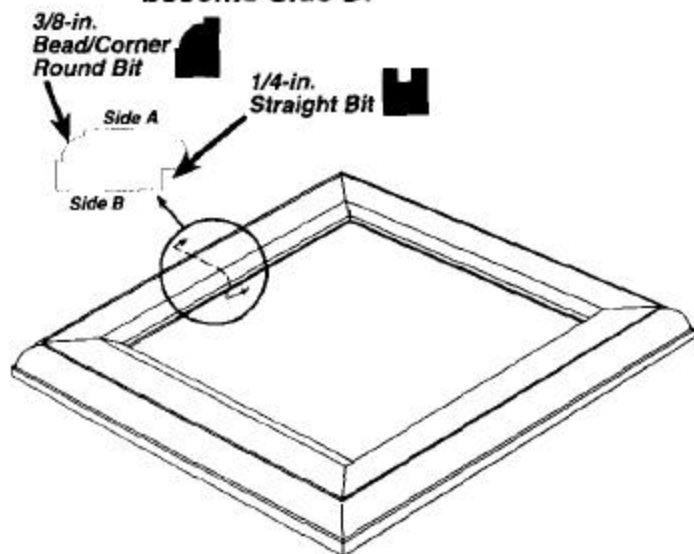
NOTE: To determine length of wood needed, measure the outside of picture to be used and add 8-1/2-in. to allow for miters (i.e. If picture perimeter is 50-in. select wood 58-1/2-in.).

- Length: Picture perimeter + 8-1/2-in.
- Width: 1-7/8-in.
- Thickness: 3/4-in.

NOTE: Make all router cuts on the full length of wood **BEFORE** you miter to size.

As with all routing operations make several passes to produce finished depth and always make practice cuts on a scrap piece of wood.

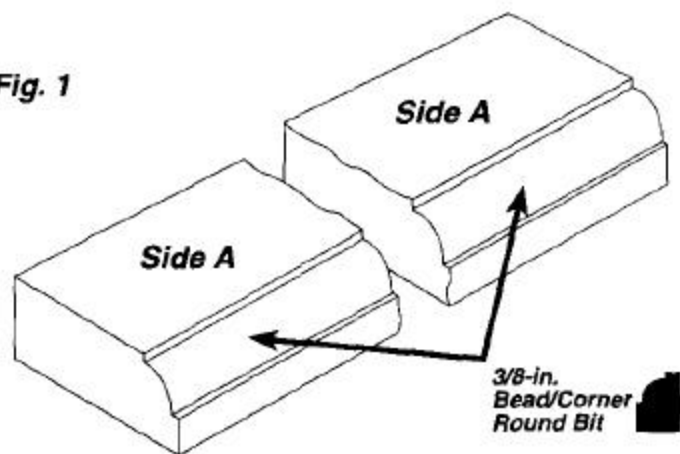
STEP 1: Choose the best side of wood, the side with the fewest defects and make it Side A. The side with more defects will become Side B.



STEP 2: Using the 3/8-in. bead/corner round bit and small pilot, router as shown in Figure 1. Router the full length of the wood on side A to the desired depth.

NOTE: (OPTIONAL) The 1/4-in. roman ogee bit may be substituted for the 3/8-in. bead/corner round.

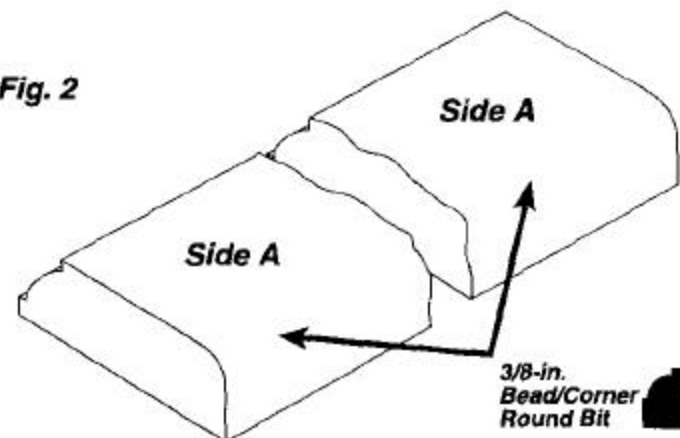
Fig. 1



STEP 3: Using the 3/8-in. bead/corner round bit and large pilot router edges or wood as seen in Figure 2. Router the full length of the wood on side A.

NOTE: (OPTIONAL) The 45° chamfer bit may be substituted for the 3/8-in. bead/corner round bit.

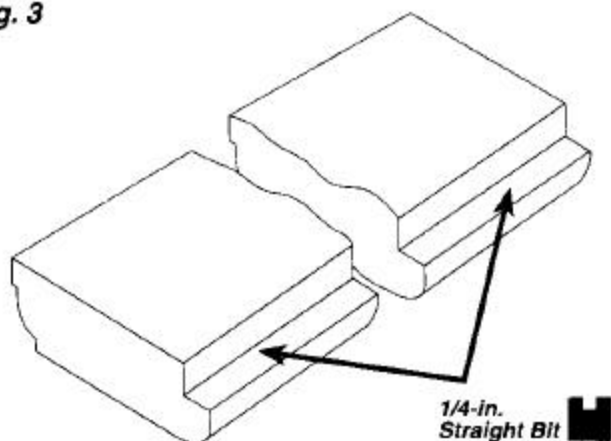
Fig. 2



STEP 4: Using the 1/4-in. straight bit, router the full length of the wood 1/4-in. deep on Side B (the defective side) as seen in Figure 3.

NOTE: A router guide or router table with fence should be used.

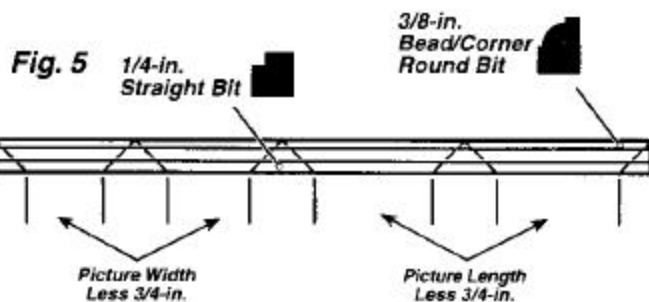
Fig. 3



STEP 6: 4 Pieces of wood will be mitered for picture frame...2 widths and 2 lengths. Mark a width measurement and miter 45°.

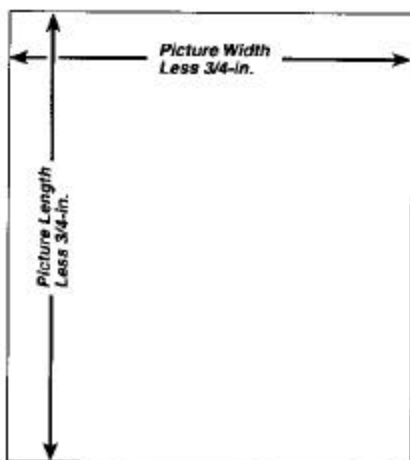
NOTE: Be sure to allow enough wood for angle of miter cut.

Measure, mark and miter 1 piece at a time. See Figure 5.



STEP 5: Measure picture width and picture length. Take 3/4-in. off measurement of width (i.e. If picture is 24-3/4-in. wide, measurement will be 24-in.). Take 3/4-in. off measurement of length (i.e. If length is 26-in., reduce to 25-1/4-in.).

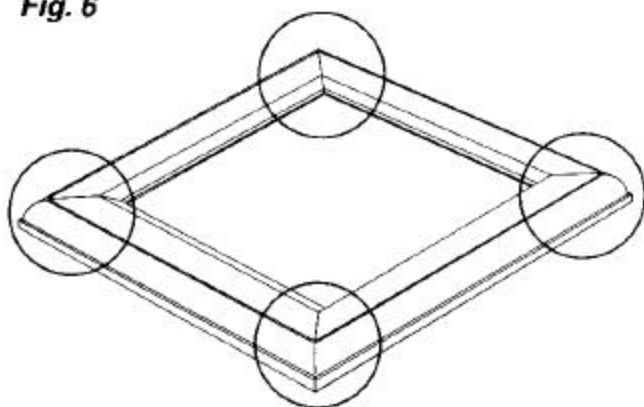
Fig. 4



STEP 7: Glue and nail (optional) frame components. Use clamps to hold miters tight and even.

STEP 8: Sand and finish as desired.

Fig. 6



NOTE: You will cut outside 45° miters, using a miter box, miter saw, table saw...If using a circular saw, an edge guide must be used to produce an exact 45° angle.