



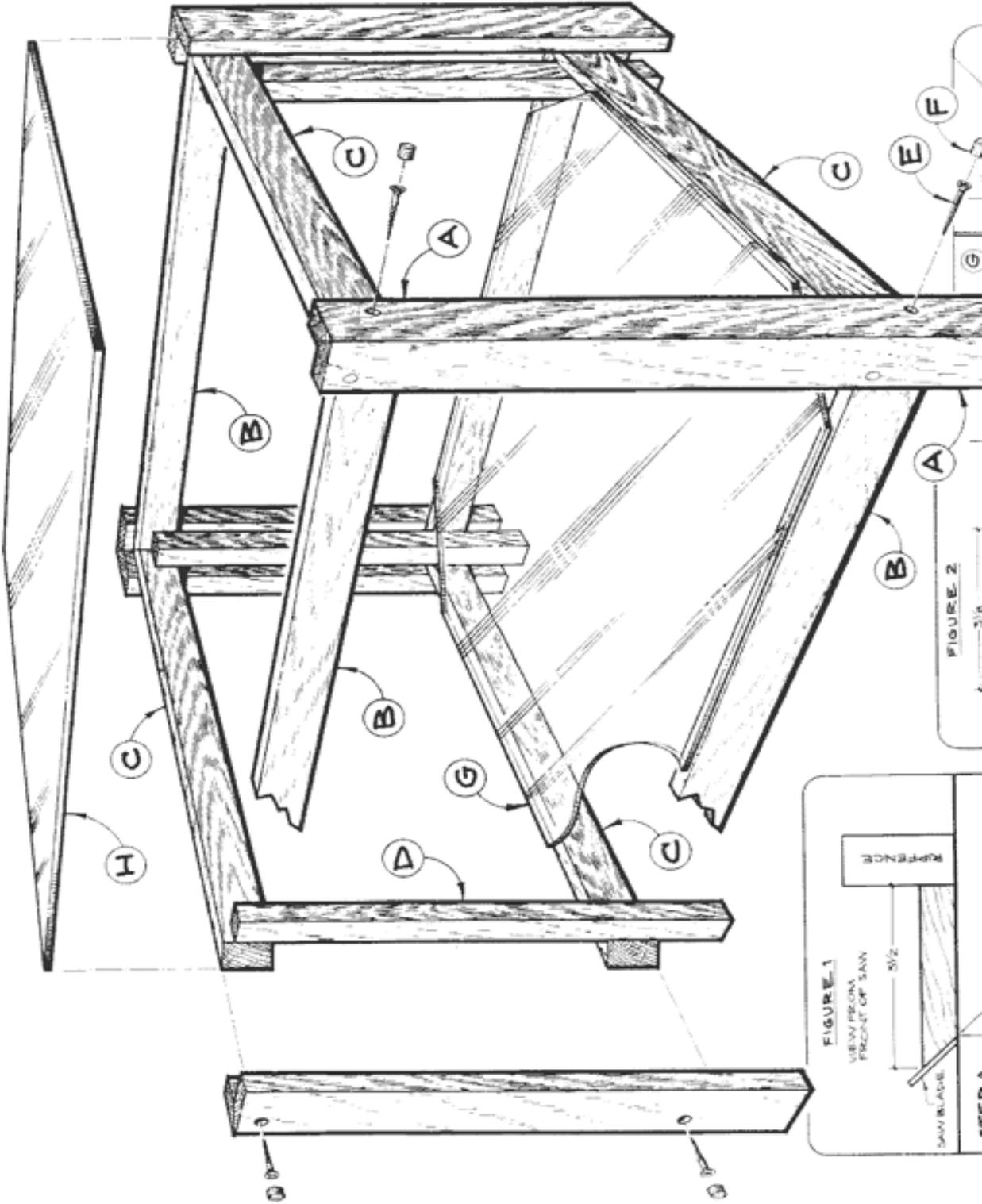
Project 17876EZ: Oak and Glass End Table

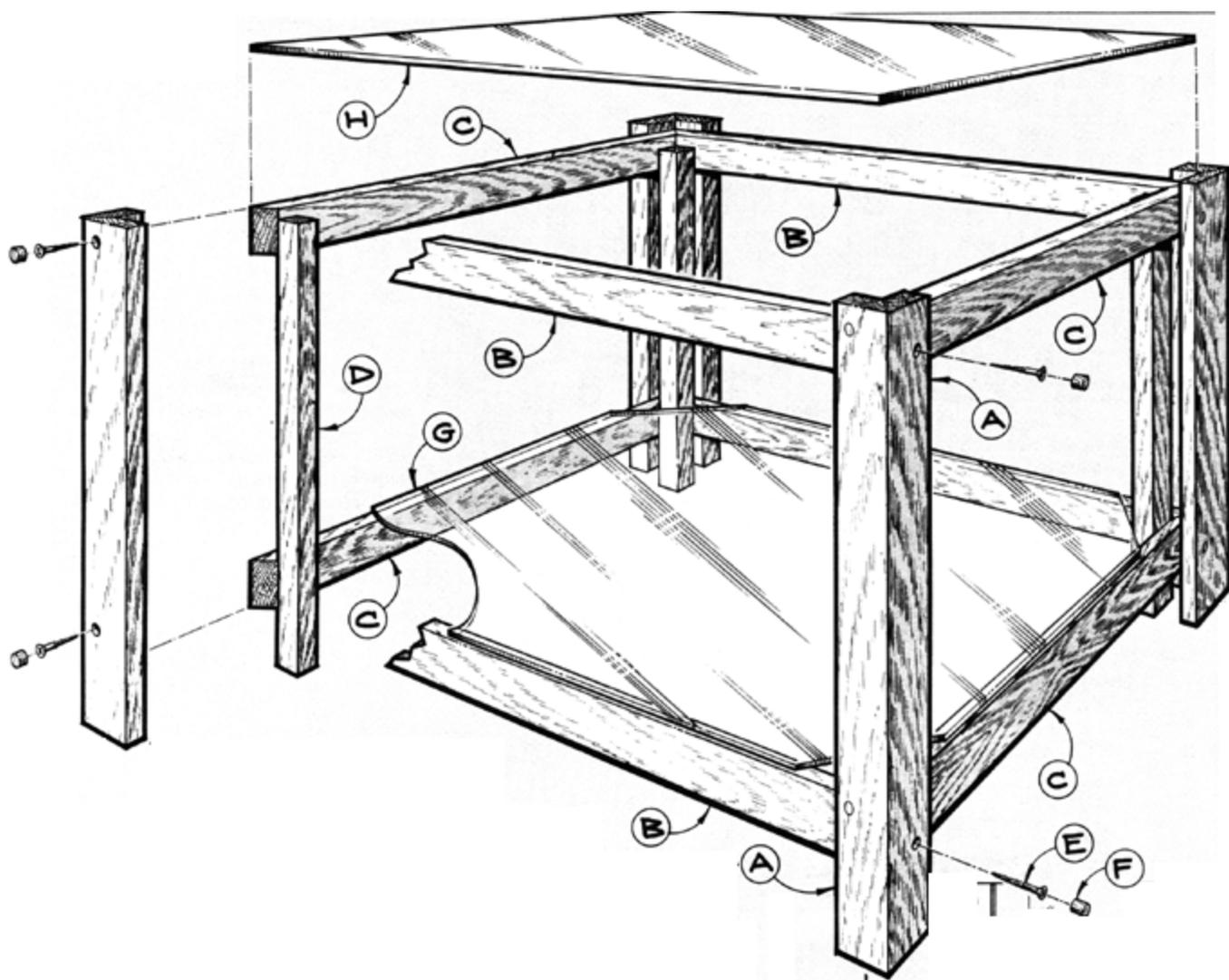
Good proportions plus the handsome look of oak and glass combine to give this relatively simple piece a great deal of appeal. And even though the joinery is basic, the table is very sturdy so you can expect it to provide many years of service. Its simplicity makes it a good weekend project, one that even beginners can tackle with confidence.

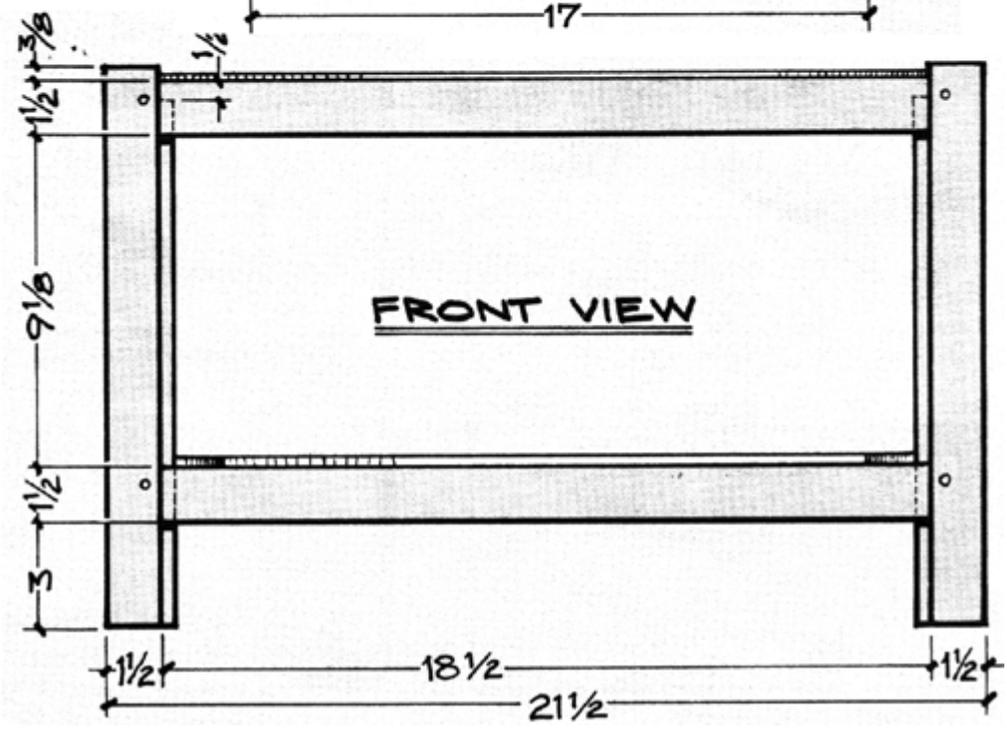
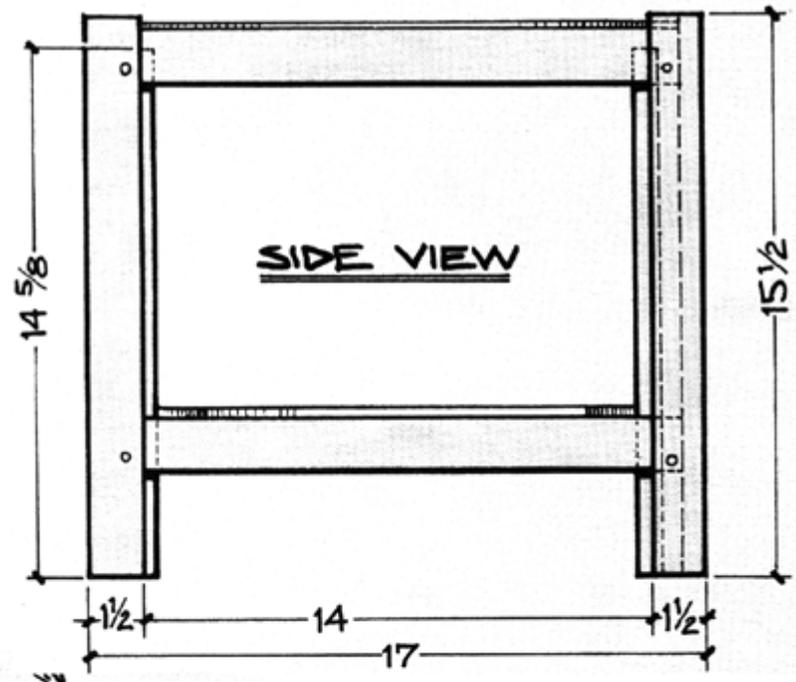
Oak and Glass End Table Materials List

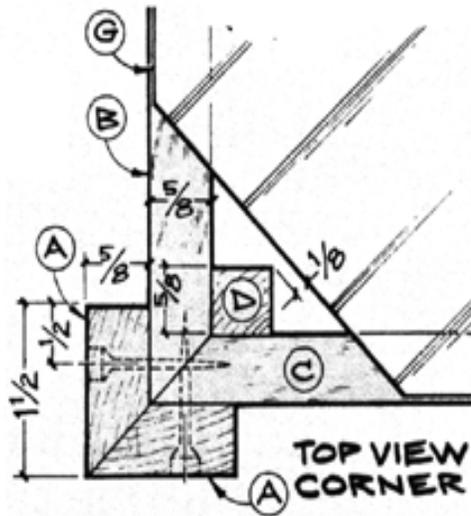
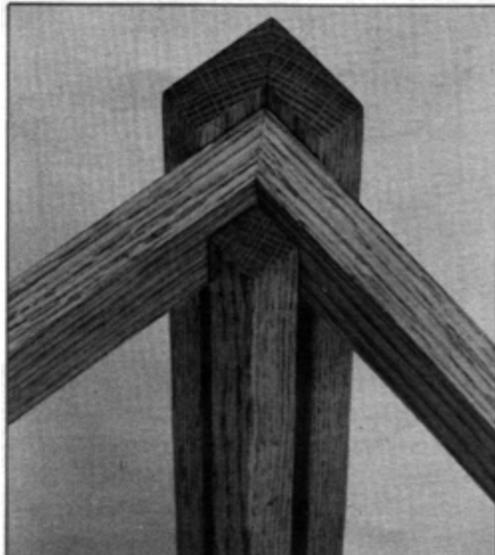
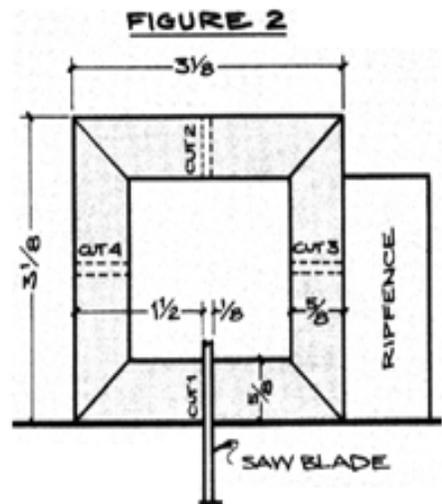
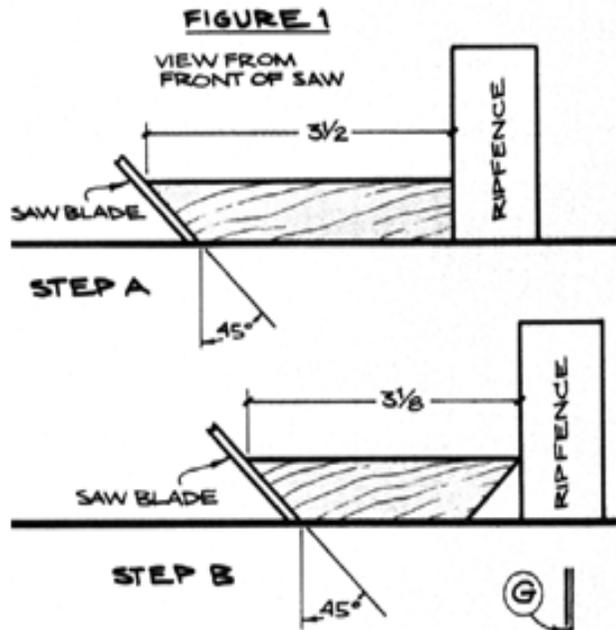
Part	Description	Size	No. Req'd
A	Leg	5/8" x 1-1/2" x 15-1/2"	8
B	Long Stretcher	5/8" x 1-1/2" x 20-1/4"	4
C	Short Stretcher	5/8" x 1-1/2" x 15-3/4"	4
D	Post	5/8" x 5/8" x 14-5/8"	4
E	Flat Head Wood Screw	1-1/4" x #8	16
F	Wood Plug	3/8" dia. x 1/4" long	16
G	Bottom Glass	1/4" x 15-3/4" x 20-1/4"	1
H	Top Glass	1/4" x 15-3/4" x 20-1/4"	1

Oak and Glass End Table Complete Schematic









Oak and Glass End Table Step-by-Step Instructions

1. Cut four pieces of 5/8" stock to 3-1/2" wide by 16" long (Parts A).
2. Set the table saw to a 45-degree angle and locate the rip fence as shown in Figure 1. **NOTE: The saw blade must be exactly at 45 degrees because even a small error adds up to a noticeable gap when the four joints are assembled.** To check the accuracy of your saw blade angle, first make a test square from scrap stock. Rip four pieces as described below (the length need only be about 6 in.), then dry assemble using elastic bands to hold the four sides together. The joints should meet perfectly; if not, adjust the blade angle and try again.
3. Miter one edge (step A).
4. Turn the stock and miter the other edge (step B).
5. Use glue to attach each mitered surface.
6. Apply three web clamps (one at each end and in the middle) until the glue is thoroughly dry.
7. Set the rip fence of the table saw to cut the stock exactly down the middle.
8. Raise the saw blade to 3/4" high.
9. Hold the stock firmly against the rip fence and make cut number one as shown in fig. 2.
10. Turn the stock over and make cut number 2.
11. Use the rip fence set in the same position to split each of the pieces down the middle.
12. Cut Parts B and C to the dimensions required. **NOTE: Cut each piece slightly longer than necessary.**
13. Use the table saw to cut a 45-degree miter on each end, cutting them to the correct length.
14. Apply one coat of glue to each mitered end and allow it to soak in.
15. Apply a second coat of glue and attach the four pieces.
16. Use web clamps to hold the pieces together until thoroughly dry. **NOTE: Check for square ness of the frame and make adjustments if necessary before the glue dries.**
17. Apply glue to the corners of the frame.
18. Use two 1-1/4" long by #8 flat head wood screws (Parts E) to attach the legs to the frame. **NOTE: Each screw should be counter bored and covered with wood plugs (Parts F).**
19. Cut Parts D to size.

20. Use glue to attach Parts D as shown.
21. Sand the entire piece.
22. Apply two coats of a good penetrating oil.
23. Have a glass shop cut Parts G and H to size, making sure the edges are polished smooth. **NOTE: The corners of Part G must be cut to fit inside the posts (Parts D).**

These plans were originally published in Volume 8, Issue 3 of *The Woodworker's Journal* (Jan/Feb 1984, pages 48-49).