

MATERIALS LIST

This list is for the smaller, 15' 9" garvey. For Big Ben, study this list and modify it according to the plans. I've done my best to make this list as complete as possible, but I've

undoubtedly forgotten a few things. I've listed the materials that I would use; substitutions could be made for many of these items.

BUILDING JIG

1. Ladder frame rails: 2" x 6" x 16' (nominal) KD spruce, two pieces, straight as possible.
2. Ladder frame cross pieces: 2" x 6" x 14' KD spruce, one piece.
3. Molds: 1" x 5" construction lumber, about 100 lineal ft. needed.
4. Mold cleats: 2" x 3" KD spruce, about 50 lineal ft. needed
5. Various braces, etc.: 1" x 4" pine or spruce, about 20 lineal ft. needed
6. 3" drywall screws, 1/2 lb.

BOAT MATERIALS

1. Planking:, bulkheads, seat flats, 3/8" x 4' x 8' marine ply, 7 sheets.
2. Transoms, 1" x 4' x 8' marine ply, 1 sheet.
3. Guards, inwales, keel, etc.: about 28 board feet 4/4 mahogany or Douglas fir, at least 16' long.
4. Shoes, thwart knees, about 6 b.f. 5/4 mahogany or D. fir.
5. Aft transom cleat, fwd transom knee, quarter knees, about 4 b.f. 6/4 mahogany or D. fir.
6. Cleat stock: 2" nom. construction fir or spruce. Building jig may be sawn up for cleat stock.
7. Glue: two quarts epoxy resin for gluing only: if you want to sheath all surfaces about two gallons will be needed.
8. Additives for epoxy: milled fibers, cabosil, microballoons.
9. Sheathing: 4 or 6 oz. fiberglass cloth, 50" x 14 yds. (outside only)
10. Chine tapes: 20 yds. each, 2", 3", 4" regular 9 oz. tape. If bias cut tapes used, 20 yds. each, 3" & 5".
11. Flotation: polyurethane pour foam, 2 lb./cu. ft. density, two gallons.
12. Shoe chafing strips: 24 ft. 5/8" brass half oval.
13. Nails: 1" x 14 ga bronze ringshank nails, 1 lb.
14. Fastenings: silicon bronze flat head wood screws.
 - 50 #10 x 2" inwales, knees, etc.
 - 100 #8 x 1 1/4" cleats, seat tops, etc.