

YOU'LL get plenty of thrills when you try this speedy hollow surfboard, either riding the waves of the open ocean, freeboard aquaplaning in the wake of a speedboat, sailing or just paddling about on fresh-water lakes. It's nothing more or less than a shallow pontoon, light, structurally strong and virtually unsinkable. So great is the safety factor that it has been officially adopted in many localities as standard lifesaving equipment.

Size and Framing: For a person of 125

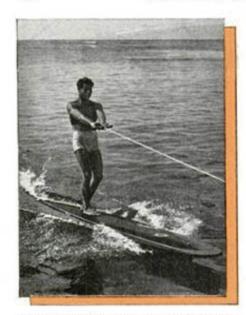
to 200 lbs. weight, the stantiard-size board is desirable. This is 12 ft. 10 in. long, in width 22 in. maximum, and in depth 5% in. maximum. For lakes and rivers it may be made of lighter material than specified, for this model is more for heavy duty in the ocean surf and will weigh from 70 to 75 lbs. The entire board may be made of any wood desired, spruce for frames and African mahogany for planking being first choice. See Figs. 1 and 2 for general details and sizes of stock. The framework



ing. Clamps easily bring them into position. The

grain of the bow and stern blocks should run with

that of the decks. This is important as it allows all



parts to swell equally in all directions. Sides are fastened to bow and stern blocks with 2-in, flat-head brass screws.

Decks: Decks (top and bottom of the board) can be cut from a plank 12 in, wide, 14 ft. long, and ¾ in. thick. Using stock leave the middle of the of this width, it is necessary to select each plank out of plumb. plank very carefully. Decks should be Now fasten a chalk line fastened to the frame with flat-head brass at both ends of the screws spaced 2 in. apart. The center bat- plank and snap it to ten seam and the rail joints are taped and mark the curve. Withcoated with marine glue when assembling, out a form on which to Screws should be countersunk and the assemble your board holes plugged to make a neat job. Use a the difficulty of bending waterproof casein glue under the screw- deck and bottom plankhole plugs. A hole to drain the water is ing to the frame, translocated near the stern, and each rib is versely, can be overnotched to form limber holes on each side come by using the clamp of the center batten. The stern handle is and caul method shown made of 1/2-in. brass tubing bent to shape in Fig. 5. First, you set by packing with sand and using a vise, the clamp and drive home a few screws. the stern.

arc. One way to get the proper curve is of seasoning. to clamp one plank to the frame, leaving Finish: Decoration of the board with both ends in proper position. This will scrollwork or designs offers an outlet for

Packing the tube with sand prevents flat- then advance the clamp and repeat the tening at the bend. The ends are flattened, same operation. It's well to examine the let into the stern flush and fastened with planks carefully before you clamp them in screws. The bend extends about 4 in. past place. Look out for surface checks or any irregularity in the grain that might cause Now a few precautions to observe: Spe- the plank to split under pressure of the cial care must be taken in fitting decks, clamp or later on when seasoning. Anoth-For instance, the line down the center er thing to watch is the equal spacing of battens is straight, but due to the convex the screws and nails. Uniformity in spacshape of the top and bottom of the board ing tends to equalize stresses on both the seam edge of the planking describes an planking and framing during the period



one's artistic talent, although some leave their boards plain, considering the grain of the wood to be decoration enough. If you're careful in selecting the individual planks you can usually match the grain to form a pleasing figure. This should be done when placing decks in position to band-saw to the curve of the board. Waterproofing paint may be used to protect the inside of the board, while three coats of spar varnish finish the outside, leaving the board ready for the water.

