

Want to Build Your Own?

If you're searching for that elusive extra mile an hour to put you ahead of competition with a small margin to spare, *Spitfire* is the boat for you. She is a step hydro, eligible for racing in sanctioned class B regattas.



Spitfire skimming across the water at 50, MPH.

She'll equal any three-point hydro with considerably better riding qualities. Hull rides well in rough water without excessive pounding and has beveled sides for taking turns at wide-open speeds without tripping. Trussed keel design and stressed plywood planking produce an extremely strong, lightweight hull.

Class B requirements specify that the hull weigh a minimum of 100 lbs. without steering gear and fin. To extract the last mile an hour from your Spitfire, keep its weight down to this minimum by using clear straight-grained spruce for all framing members except the stem, filler block and motor-board angle blocks. Use 1/4-in. fir exterior plywood for planking. Bond all joining surfaces with resin glue (*Elmer's Waterproof*, *Penacolite G-1124* or *Weldwood*).

Make the building form (Fig. 2) first. Use a stock-size lumber yard 2 x 6 in. plank of any type wood and carefully lay out the frame-notch locations. Draw the curve by bending a batten against nails driven in at measured points. Note that a filler block must be added forward of #1 frame notch. Saw out the building form and mount on two 2 x 4 in. legs. If you are working on a wooden floor (Fig. 3), temporarily nail the legs to the floor. If you are working on a concrete floor, add the 1 x 6 in. pieces indicated in dotted lines in Fig. 2-A.

Start construction of the boat by making full-size drawings of the three frames, transom and stem (Fig. 4) on heavy paper such as wall board is wrapped in. Draw in 6 in. extensions on all frames. Then transfer the outline of each piece to lumber with a toothed wheel similar to a

Here's a red hot hydroplane for Class B racing events

By WILLIAM D. JACKSON
Craft Print Project No. 242

STATEMENT OF USES

USES: Designed as a class "B" racing craft for competitive or impromptu racing with class "B" outboard motors.

FEATURES: Low center of gravity especially with hydro "quickie" lower units adapted to motor. Hull is stepped, but with proper motor adjustment, boat rides upon edge of after plane. Boat is not running correctly until daylight may be seen under hull at wide open speeds.

LENGTH: 9 ft. 10 in.

BEAM: 51 in.

WEIGHT: 100 lbs. without steering gear, fin, throttle control, etc.

SPEEDS: 50 MPH with Mercury Hurricane having hydro "Quickie" lower unit and at highest motor board setting possible.

dressmaker's wheel, or make a series of marks with a prick punch. Be sure to include extensions and mark location of clamp on each side frame. Extensions are used for attaching braces to building form and floor so as to make hull frame rigid during construction. When all of the pieces are sawed out, place the bottom and two side pieces on the full-size drawings to align them and fasten