

# "BLUE BILL" A 13-Foot Combination Kayak-Canoe



Outdoor folks who need an ultra light-weight portable boat should not find it difficult to make this combination of kayak and canoe.

COMBINING the features of both kayak and canoe, "Blue Bill" is offered to those out-of-doors men who hunt or the sportsmen who need an ultra light-weight portable boat for use upon any waters. Besides being usable for building a double-end paddling model, a few changes permit the plans to be used for making a canoe that will accommodate outboard motors up to 6 hp. for swift, speedy transportation on any stream or waterway.

Weighing only 75 lbs. complete, "Blue Bill" is easily transported atop an auto anywhere. All details of "Blue Bill" have been simplified for easy fabrication and the construction cost is within reach of everyone's pocketbook.

At the outset, either of the two models (paddling or outboard) must be selected. With the type selected, the form is sawed to shape as indicated upon the plans and notched for frames. Mount this form upon legs similar to a sawhorse at a convenient working height. If the outboard model is constructed, let the form extend straight out 6' 8" aft of No. 5 frame position. As all frames are the same for the outboard model aft of No. 5, make four additional No. 5 frames and one transom piece as shown. For the paddling model, make one No. 5 frame and two of every other as all frames forward and aft

## Kayak-Canoe

Craft Print Project No. 80

Uses: Extremely wide adaptation to various uses. May be used as duck boat, canoe, kayak, outboard kayak. Is adapted to sheltered waters. May be paddled or propelled with outboard motors from 1 to 6 hp.

LENGTH: 13 ft. 6 in.

BEAM: 3 ft. 2 in.

DEPTH: 12 in.

WEIGHT Complete: 75 lbs.

SEATING CAPACITY: 3 persons.

CONSTRUCTION: Wood frame canvas covered.

TYPE: Flat bottom, knuckle joints.

### MATERIAL LIST

Parts	Pieces	Finished Dimensions
Keel	1	3/4" x 1 3/4" x 14'
Chines	2	3/4" x 3/4" x 14'
Sheer and Bilge Battens	8	1/2" x 1" x 14'
Bottom Battens	2	3/4" x 3/4" x 12'
Deck Battens	4	1/2" x 3/4" x 12'
Inside Coaming	2	3/8" x 1 1/2" x 8'
Outside Coaming	2	1/4" x 2" x 8'
Side Deck Support	1	3/4" x 1 1/2" x 8'
Deck Beams	1	3/4" x 12" x 48"
Floor Boards	3	3/8" x 6" x 8'
Frames (Marine plywood)	1	3/4" x 12" x 6'
Stems (Marine plywood)	1	3/4" x 12" x 48"
Raised Canoe Bow Sections	1	1/2" x 4" x 8'
Mouldings	2	1/2" x 3/4" x 14'
Form	1	1 3/4" x 5 3/4"

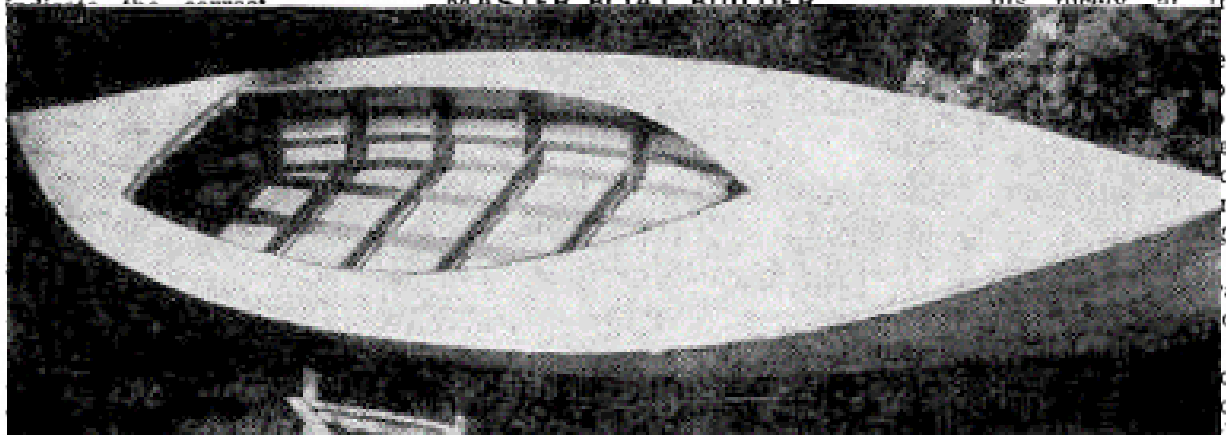
Kinds of Wood: Spruce, fir, cedar, cypress, white pine, redwood, yellow pine. Make form from rough lumber.

### FASTENINGS AND OTHER MATERIALS

- 1 Gro. 1" No. 8 f.h. screws. Cadmium plated, brass, or galvanized.
- 1 Gro. 1 1/2" No. 8 f.h. screws. Cadmium plated, brass, or galvanized.
- 1 Gro. 1 3/4" No. 8 f.h. screws. Cadmium plated, brass, or galvanized.
- 2 Ozs. 1/4" tacks.
- 2 Gals. Airplane wing dope.
- 1 Lb. Casein glue.
- 1 Qt. Enamel.
- 15 Yds. 30" canvas, 8 or 10-oz.

from amidships are alike. To facilitate construction of frames draw full-size paper patterns of frames from No. 1 to No. 5, lay frame material upon patterns, prick outline through, saw to shape, and laying the frame parts upon the patterns so as to conform to outline, daub joints with glue and fasten with 1 1/2" No. 8 f.h. screws.

With all frames made, assemble on form upside down and proceed to attach keel to center of bottom frame cross members with two 1 3/4" No. 8 f.h. screws to each joint. First drill and



sheer batten and chines and similarly fastened, beveling ends of battens to fit sides of stems about one inch back from outer stem edge. This edge of stem is later beveled off so canvas

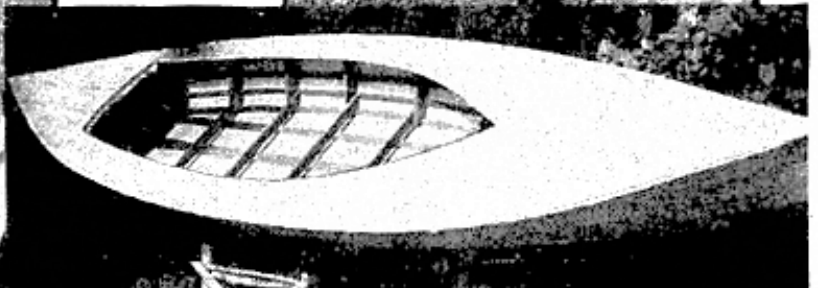
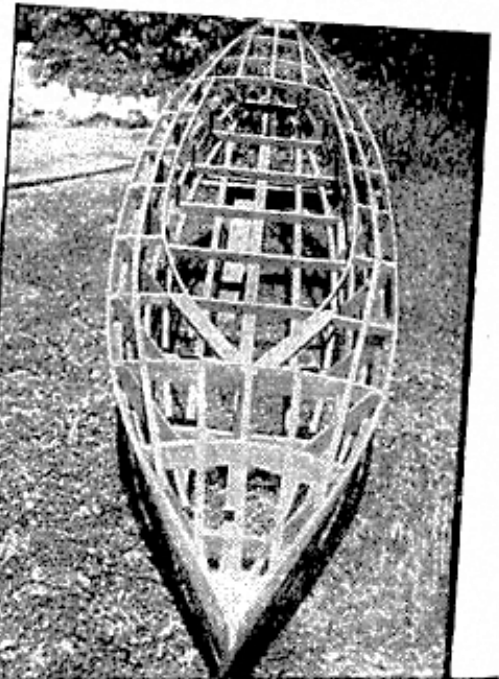
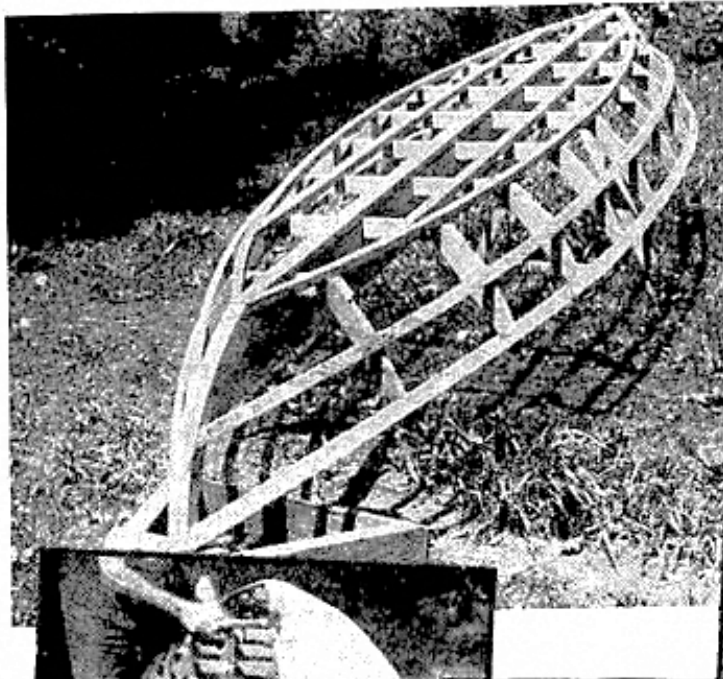
WILLIAM JACKSON

Greenland, Borneo, and in Africa. Back from the wars, he is hard at work now on more boats at his home and boat plant at Bass Lake, Indiana. His great grandfather was a boat builder in Russia, his grandfather a boat builder in England, and his father a famous boat builder on the Atlantic Coast and Mexico and the Pacific Coast. Mr. Jackson has sailed in many waters, been marooned, shipwrecked, and won speedboat races.

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looks well as in the  
original. Or, the ends  
may be identical. The  
raised bow of the  
canoe type is easily  
made by adding  
raised pieces to the  
sheer battens for-  
ward and attaching to

Framework is shown on form with part of side battens attached.

Deck construction of the "Blue Bill" is not difficult.



The center of the keel carries the seam when the boat is convassed, one-half at a time.

How the "Blue Bill" looks when bottom and decks are convassed

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