

A classic Mc Innis bateau for epoxy-plywood composite.

Specifications:		
LOA:	12' 8"	3,85 m
Max. Beam:	3' 11"	1,19 m
Hull weight:	65 to 85 lbs	30 to 38 kg
Designed displacement/draft	400lbs/4"	180l/10cm
Immersion:	135 lbs/1"	61 l/1cm

* hull weight vary in function of options and materials

The MI Bateau is the bateau.com version of the classic Mc Innis Bateau. This well known hull is described in several books and the original plans are available from the Mystic Seaport Museum.

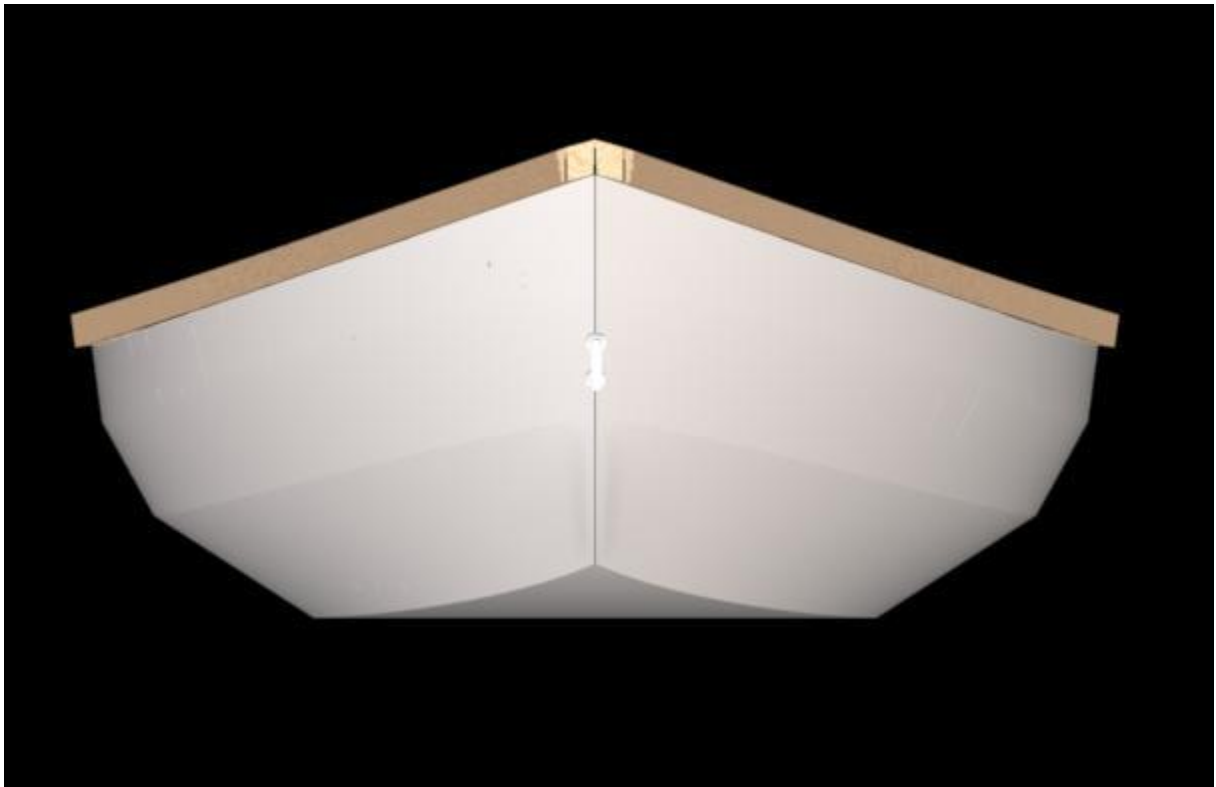
The name “bateau” is French for boat and it is used all over North America for every different types of boats. This one is in the same category as the Adirondack guide boats, shaped like a wide canoe but not really a canoe. The bateau is much wider and uses oars, not paddles.

It is an excellent all around row boat, very able and seaworthy.

While researching the hull shape, we discovered a number of different versions adapted by famous designers like Herreshoff. Ours is close to the plans published in one of John Gardner's book “Building Classic Small Crafts”.



We adapted the hull to our epoxy-plywood-glass composite material. The new multichine hull is very close to the original rounded chine boat but is much easier and faster to build. The 3 panels per side hull shape is within a fraction of an inch of the original.

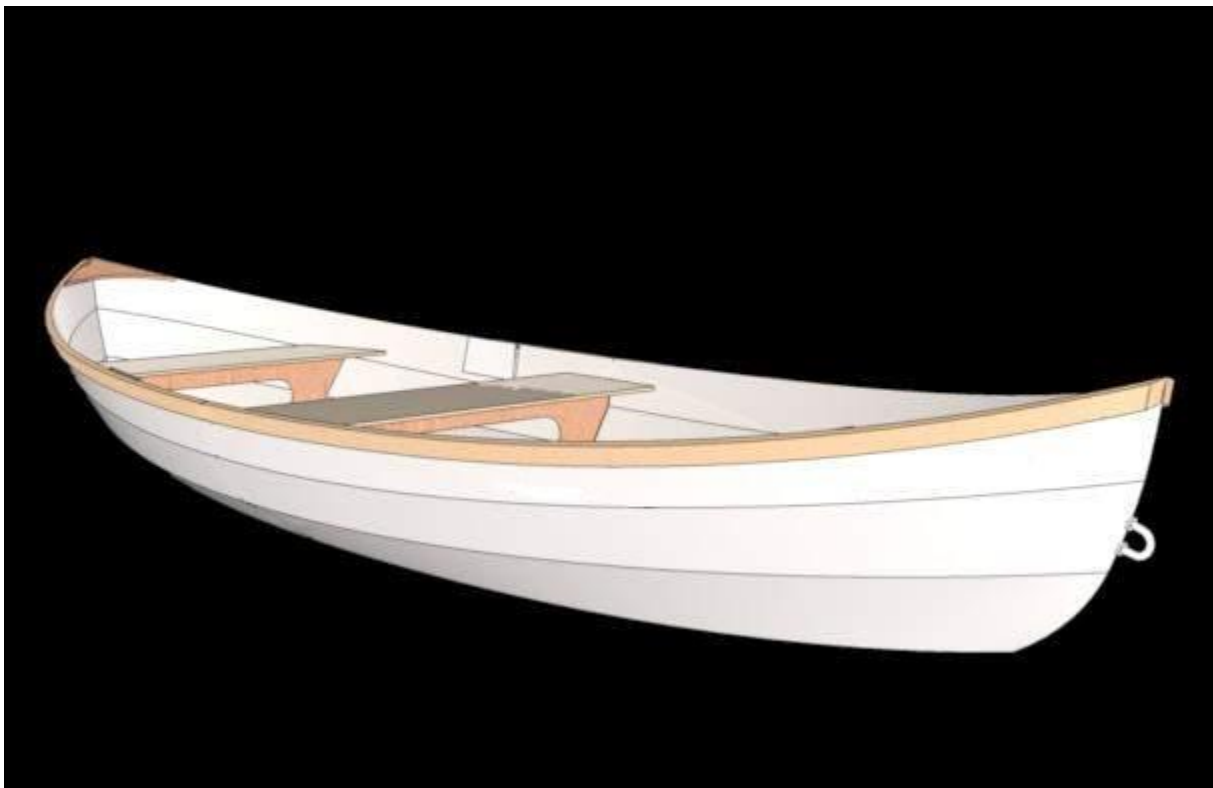


If you prefer the original round hull, we created another version for strip planking either in foam sandwich or cedar or plywood. See the MI12_S plans



Options:

This is a pure row boat, you can not adapt it to outboards or sail.



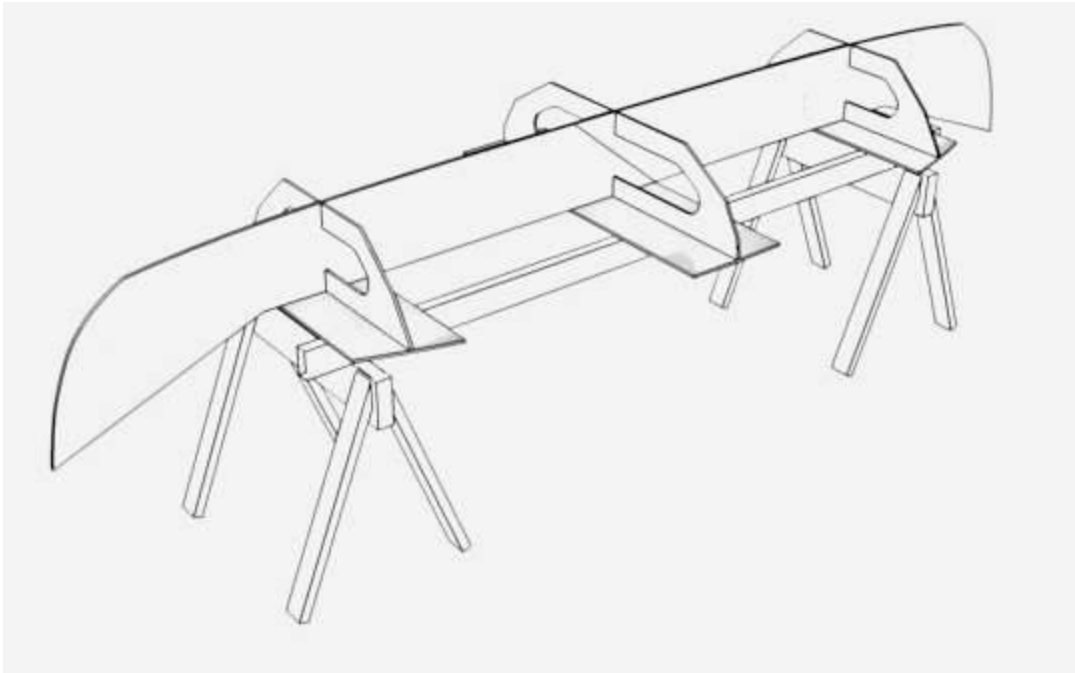
She can be kept simple or finished with some nice wood work: varnished breasthooks, multi colored rubrail, open girder inwale, caned seats.

The breasthooks shape and dimensions are suggestions. A breasthook is required and the dimensions we show are a minimum but that part can be made larger or even become a small deck.

Caned seats are available from online or mail order companies at a a low price. For example, Hamilton Marine sell caned seats for \$ 33.00, less than the cost of the materials (2010).

Building method:

The MI12 is built upside down on a simple jig. The jig is made from the frames and one central piece of MDF. The plans give the dimensions for the jig.



[Download a PDF file showing the assembly here.](#)

While the assembly on jig is highly recommended, it is also possible to build the boat without it.

Required Skills:

This boat could be build by a first time builder but some experience with epoxy and fiberglass will save labor and material.

See our HowTo files at [bateau2](#) .

BOM:

The plywood layout was calculated to minimize waste: we show the nesting of all parts on the plans.

Epoxy resin usage is based on a 45% glass content, first time boat builders will use more.

Marine Plywood 4x8' (122x244cm)		
1/4" (6mm)	3	
3/8" (9mm)	1	
MDF 1/2" 12mm (optional)	1	
Fiberglass (Totals)		
Biaxial Tape	50 yards	45 m
Biaxial Fabric 50" wide	5 yards	5 m
Resin		
Epoxy, total	3 gallons	12 kg

Not included: fillers, some small cleats (battens), wood strips for the rubrail (62') and paint.

Cost & Labor:

Cost and labor will depend very much on how simple you keep the boat. See our kits or supplies at [BoatBuilderCentral.com](#).

We estimate that you will need around 30 man-hours to assemble the hull and jig and between 5 and 20 hours to finish the boat.

More:

Visit our message board, help pages, tutorial pages and read our FAQ: most questions are answered there.

Plans Package List:

Detailed drawings with all dimensions required to cut all parts from flat plywood sheets: no lofting, no templates required. The plans include a complete lines drawings for those who choose a different assembly method or want to customize the design.

Drawings list:

- B289_1 Plan and Profile
- B289_2 Nesting
- B289_3 Plywood panels and frames
- B289_4 Jig dimensions and assembly
- B289_5 Construction details
- C 289_7 Bow mold full size pattern
- Specific building notes for this boat
- Bill Of Materials and fiberglass lamination
- Help files reference list and more!

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