

Building Wooden Canoes and Kayaks

John Caldeira

















































A Few Questions

- How long does it take to build a canoe or kayak?
- How much do they weigh?
- Maintenance?

Strip-built Boats

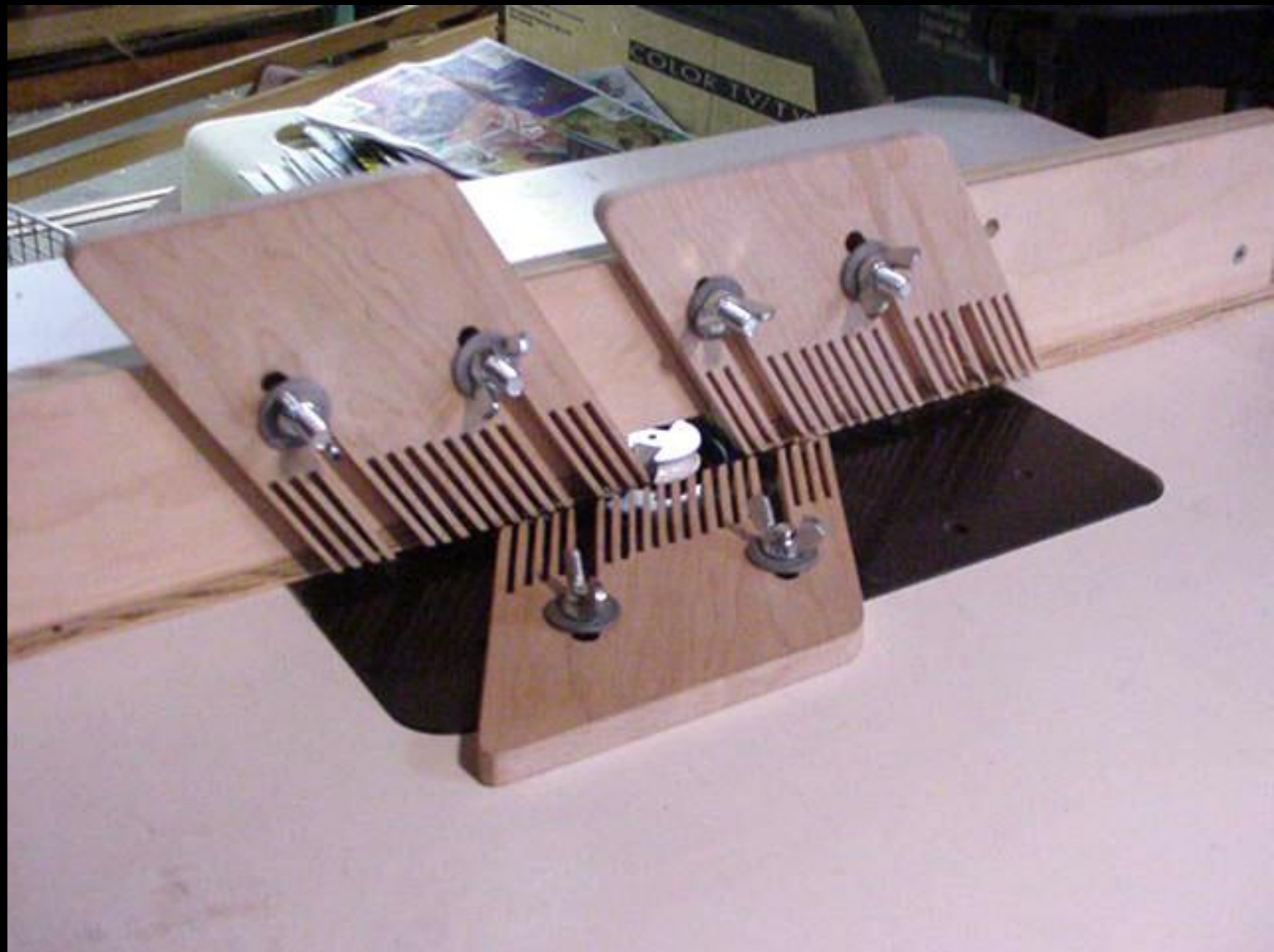














Barcode sticker on the top wooden support beam.

Barcode sticker on the bottom wooden support beam.

WALGRANGER
W-6836
HOUSTON
MADE IN JAPAN

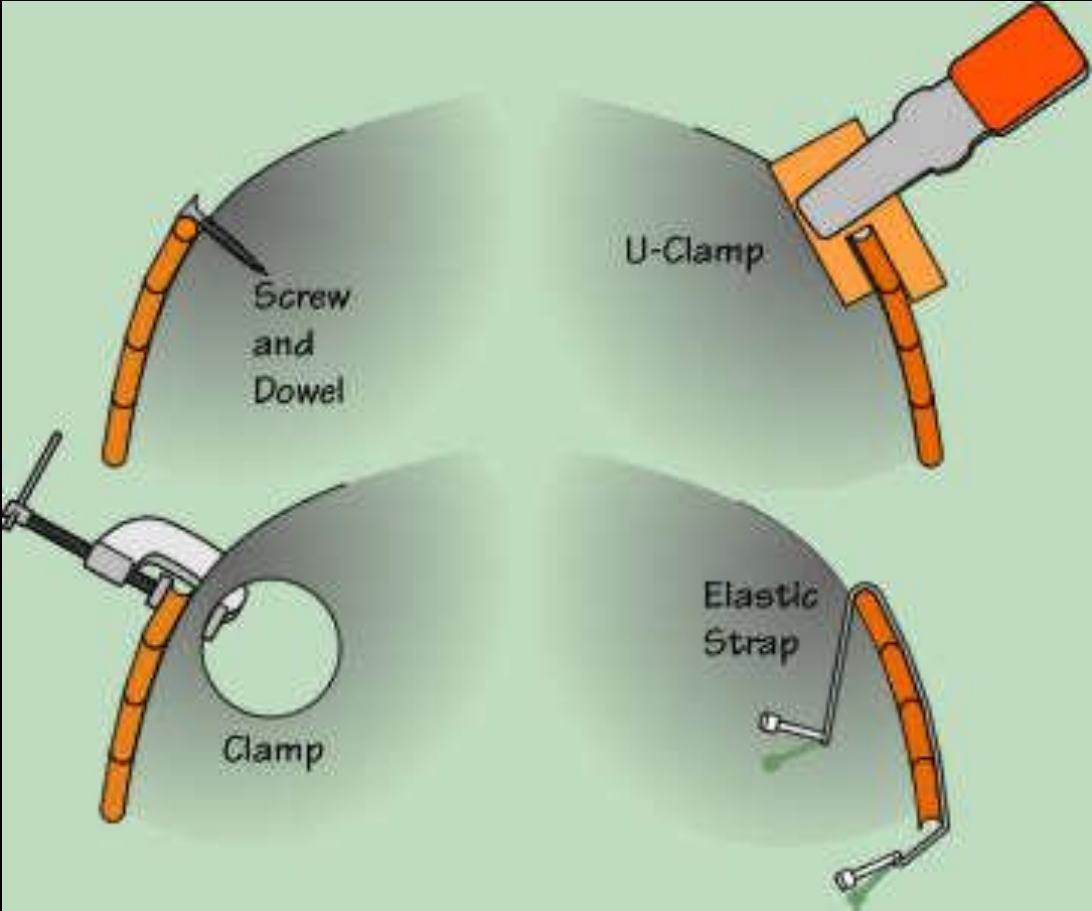












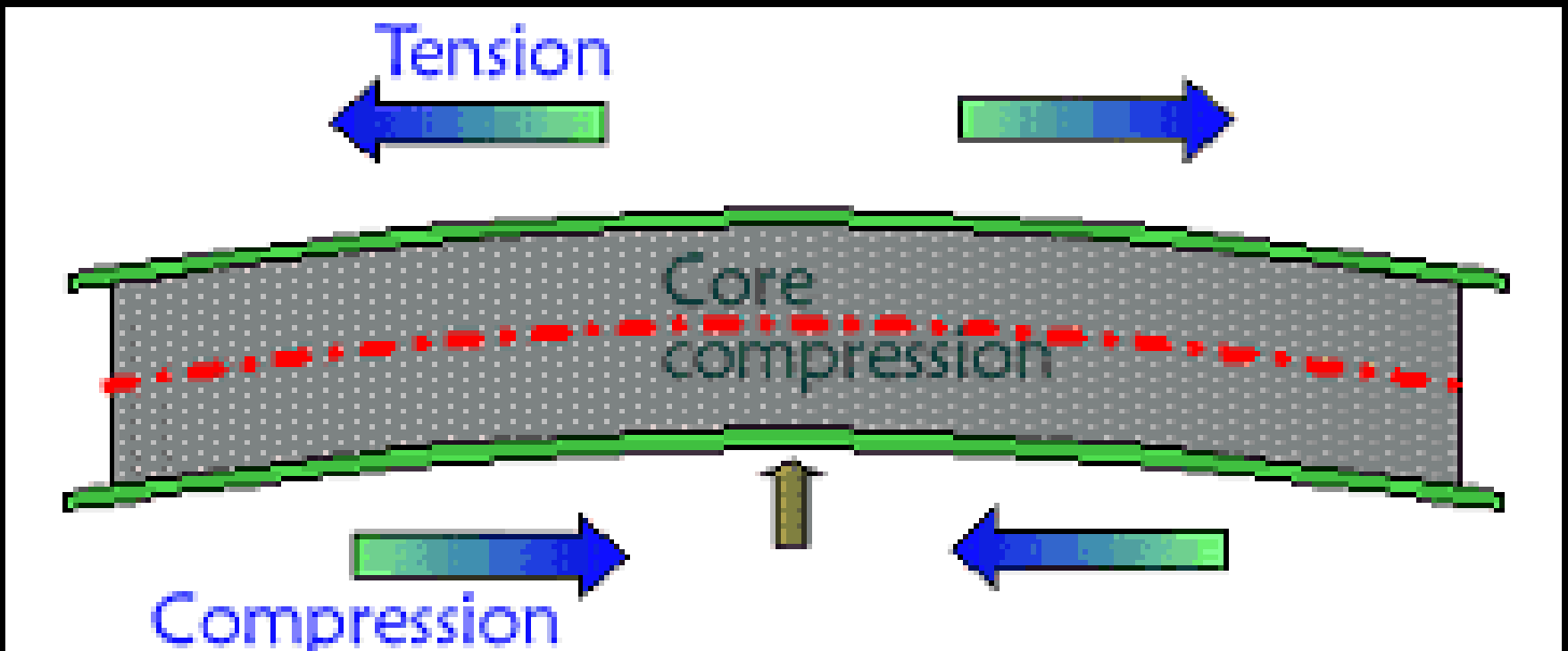
PURE HONEY





Is it strong?

Sandwich-Core, monocoque skin construction











CAMPER

Mason's Mason Lams

WE RECYCLE

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← 2 →



















Bugs seem to be attracted to wet epoxy and varnish

*I guess they figure
it's their only chance
at immortality...*



Epoxy has a short pot-life



















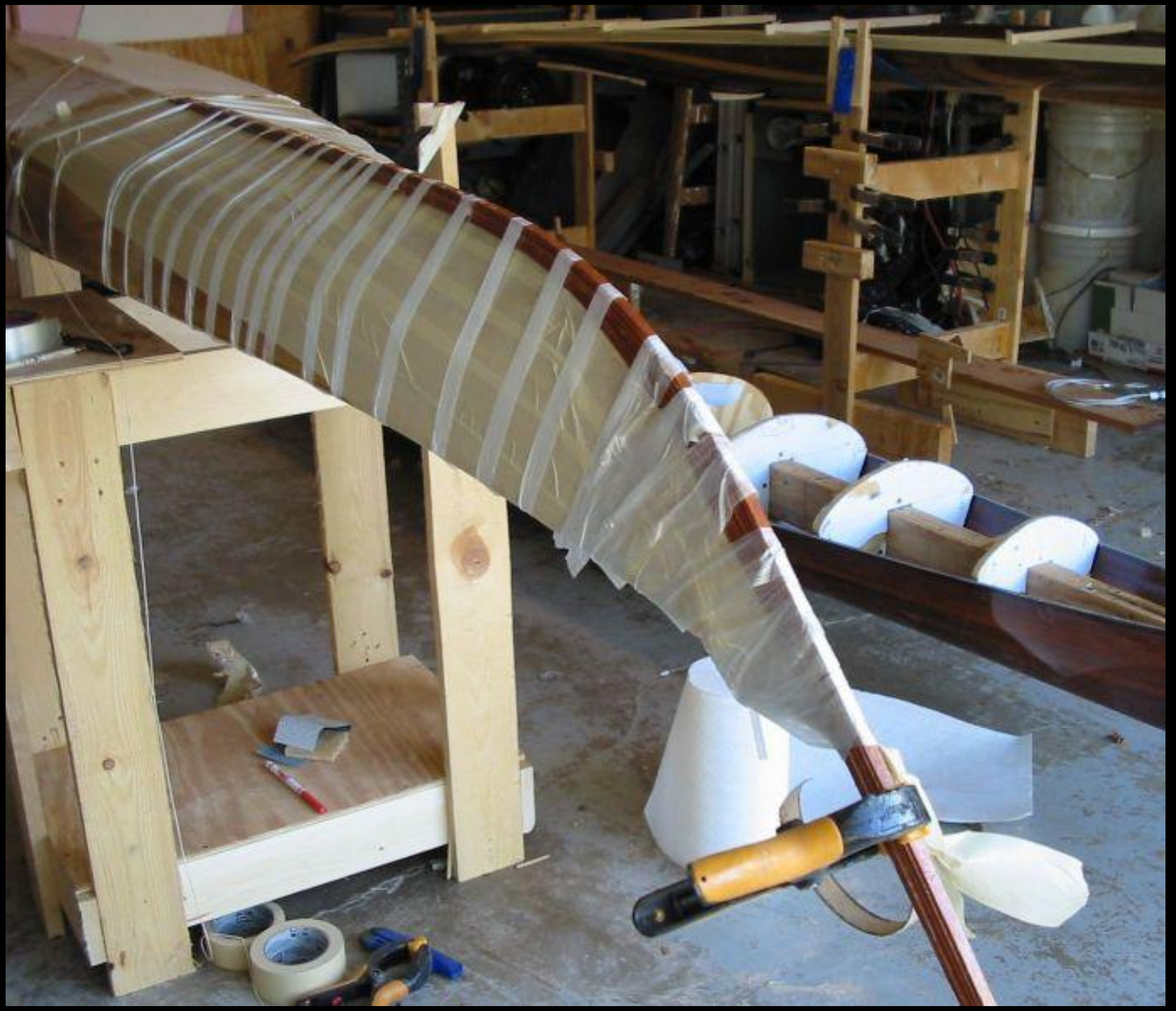


AIC14WW
AIC14WW









































Stitch & Glue Boats

















hull 1 stern

st 14

hull 1 alignment
marker 1 of 4

st 13

st 14

hull 2
stern

hull alignment
marker 2 of 4

hull 1 and 2 are made of 1/8" plywood. The width of the line for each 1/8" is 1/8" (1/8" x 2 = 1/4").











Skin on Frame Boats

















What about paddles?













STAPLES





So, how much does it cost?

Materials	Low	High
Wood	50	400
Epoxy	150	250
Fiberglass	100	150
Plans	0	125
Outfitting (seat, footbraces)	30	100
Supplies (sandpaper, gloves, mixing cups, tape, glue, brushes, varnish, etc.)	100	300

Total Materials: \$600 - \$900

Power Tools

Table saw, router, random orbital sander, drill, jig saw, glue gun

Hand Tools

Saw, knife, sanding block, scissors, screwdriver, file & rasp, clamps, dust mask and eye protection



Odds & Ends











