



Cheng-Tze

Home Port: Spokane, WA
Owner(s): Al & Sue Dunlap
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Hull:

Type: Riverboat
Purchased: -
Launched: 2003
Hull Builder: Owner
Material: Wood
LOA: 27 feet
LWL: 27 feet
Beam: 6 feet
Draft: 1 foot
Capacity: 6 adults
Speed: 5+ knots
Weight: 6000 lbs.

Engine:

Type: Simple
Built: 1982
Builder: Owner
Number of Cylinders: Two
Bore & Stroke: 3.5" x 20"
Valve: "D" Slide
IHP: 10
RPM: 50
Reverse Type: Stephenson
Condenser Type: Keel, 1.25" Copper
Condenser Size: 5.25 Sq. Ft.
Vacuum: - None

Propulsion:

Diameter & Pitch: -
Number of Blades: -
Material: Metal, Wood
Make: Owner
Right or Left Hand: N/A
Shaft Size: N/A
Steering: Cable to three rudders
Auxiliaries: Paddlewheel
6'4" diameter, 5' wide
12 buckets

Boiler:

Type: Roberts
Bhp: N/A
Overall Size: 30" x 36" x 54"
Heat Surface: 80 Sq. Ft.
Fuel: Wood
Pump Type: Piston

Builder: Don Mentzer
Operating Pressure: 100 psi
Number of Tubes: N/A
Economizer HS: None.
Grate Area: 6 Sq. Ft.
Injector Type: Penberthy

Year Built: 1985
Gauges: One
Size of Tubes: N/A
Superheater HS: None
Stack Dia. & Height: 10" Dia. x 3.33'
Tanks: 52 gallons

Other: Al designed the engines, made the patterns, and machined the castings (*Reliable Steam Engine Co. will shortly have castings available*). They are operated from the forward steering station. Then he named his boat for his wife, whose original Chinese name is Cheng-Tze.

