

Ferry Ticonderoga
Shelburne Museum
Shelburne
Chittenden
Vermont

HAER No. VT-14

HAER
VT
4-SHEL,
1-

PHOTOGRAPHS
REDUCED COPIES OF MEASURED DRAWINGS
WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Department of the Interior
Washington, D.C. 20013-7127

HISTORIC AMERICAN ENGINEERING RECORD

Ferry TICONDEROGA
HAER No. VT-14

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1-

Rig/Type of Craft: Sidewheel Steam Ferry

Trade: Passenger

Official Number: 203172

Principal Dimensions: Length: 220.42 Feet Gross Tonnage: 892 Tons
Beam: 57.9 Feet Net Tonnage: 344 Tons
Depth: 10.20 Feet

Location: Shelburne Museum
Shelburne, Vermont

Date of Construction: 1906

Designer: J.W. Millard, Naval Architect and Engineer (1905)

Builder: Champlain Transportation Company, Shelburne Yard (erected)
T.S. Marvel Company, Newburg, New York (prefabricated steel)
W. and A. Fletcher Company, Hoboken, New Jersey (engine)

Present Owner: Shelburne Museum
Shelburne, Vermont

Present Use: Museum Exhibit (Dry)

Significance: TICONDEROGA, considered to be the only extant unmodified vessel of its type in the United States, symbolizes an era of travel that has all but vanished from American waters. One of only two remaining "walking-beam" marine steam engines (see EUREKA - HAER No. CA-59) remaining in the U.S., TICONDEROGA plied the waters of Lake Champlain carrying day passengers, excursion groups and freight from 1906 through 1953. Now located several miles inland at the Shelburne Museum, this steel vessel was the last coal-powered ship in service on the lake and remains essential unchanged.

Researcher: Based on the writings of Ralph N. Hill from the publications Sidewheeler Saga and The Story of the Ticonderoga, prepared by Todd A. Croteau; HAER Maritime Program Coordinator.

TICONDEROGA SPECIFICATIONS

Year Completed - 1906 (in service until 1953)

HULL

Erected by Champlain Transportation Company's Shelburne Yard in Shelburne, Vermont using prefabricated steel from T.S. Marvel Company, Newburg, New York.

Cost to build - \$170,000.00

Length - 220 feet

Beam - 57.9 feet

Depth - 10.2 feet

Displacement - 892 tons

Capacity - 1200 persons

Lifeboats - Six / One workboat

Staterooms - Ten (excluding crew quarters)

MECHANICAL

Engine: W.B.A. Fletcher Walking-Beam Steam Engine (No. 193)
One-cylinder, 53-inch bore, 108-inch stroke

Weight of Piston is 3 tons

Steam Pressure - 50 pounds

Vacuum - 28 inches

Boilers (2) Firetube Return Flue - Coal (hand-fired) - 750 horsepower

Coal Consumption - 2 tons per hour

Cruising Speed - 17 miles per hour

Bunker Capacity - 24 tons

Crew - 28 (full complement) Captain, 2 Pilots mates, 6 Deckhands, Chief Engineer, First Assistant Engineer, 4 Firemen, Purser, Stewardess, Freight Clerk, Bartender, 2 Hall Boys, Cook, 3 Waiters, Scullion Mess Boy

ADDENDUM TO
Ferry TICONDEROGA
Shelburne Museum
Route 7
Shelburne
Chittenden County
Vermont

HAER No. VT-14

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XEROGRAPHIC COPIES OF COLOR TRANSPARENCIES

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National Park Service
1849 C. St. NW
Washington, DC 20240