

Collection name: C. Patrick Labadie Collection

Collection number: TBRC -1 through 18 [TBRC-18 = MACHINERY]

Dates: Late 18th Century to early 20th Century.

Quantity: 385 linear feet + 6 (5 draw) map cabinets.

Provenance note: Collection gathered & researched since early adulthood. Donated by C. Patrick & June Labadie in 2003 to NOAA; housed and managed by the Alpena County Library.

Biographical & Historical Information: The son and grandson of shipyard workers, Charles Patrick Labadie was reared in Detroit and attended the University of Detroit. He began his career with the Dossin Great Lakes Museum, became director of the Saugatuck Marine Museum, then earned a master's license for tugs and worked for Gaelic Tugboat Company in Detroit. He directed Duluth's Canal Park Museum (now Lake Superior Maritime Visitors Center) from its founding in 1973 until 2001. In 2003, he was appointed historian for the NOAA's Thunder Bay National Marine Sanctuary in Alpena, Michigan.

Scope & Content: This is an extensive 19th Century Great Lakes maritime history collection. The vessel database is accessible through library's website. See the library's card catalog to search the book collection. The major components of the collection are: vessels, cargo, biographical, canals, owners, ports, technology / shipbuilding = broken down by vessels types (i.e. sail, tugs, propellers), and machinery. Files include photographs, newspaper accounts, publications, vessel plans, maps & charts, and research notes.

Access: Open to research.

Preferred Citation: C. Patrick Labadie Collection, Thunder Bay National Marine Sanctuary, Alpena, MI.

Contents:**TBRC-18: TECHNICAL – MACHINERY****Box 1:***Folder*

1. SCREW: Advertisements
2. SCREW: Advertisements
3. SCREW: Articles: "...Trails of speed with the revenue steamers *Spencer, Jefferson, & Legare*"; "Helped to make Detroit famous: Samuel F. Hodge & Co., proprietors of the Riverside Iron Works, renowned for their high type marine engines and mining machinery"; "Design of stern frame, shafting and bearing with respect to vibrations on Great Lakes vessels"; "Joseph Ressel, 1793-1857, inventor of the vessel screw, forester and economist"
4. SCREW: Articles: *Telescope*, August 1966; *Telescope*, July 1964; *The Rudder*, May 1909 "Origin of the screw propeller" ...; "Propellers & propulsion"; "Simple non-condensing steam engines"
5. SCREW: Articles: "Notes on screw propulsion..."; Evolution of screw propulsion in the United States"
6. SCREW: Articles: "Steam for the million" by James H. Ward, New York, 1864, photo copy.
7. SCREW: Articles: *Journal of the Franklin Institute* – various propeller articles
8. SCREW: Articles: *Journal of the Franklin Institute* – various propeller articles
9. SCREW: Articles: Miscellaneous
10. SCREW: Articles: Miscellaneous

Box 2:*Folder*

1. SCREW: Data – Miscellaneous
2. SCREW: Engines – Internal combustion
3. SCREW: Engines – Steam
4. SCREW: Ephemera
5. SCREW: Newspaper Clippings, 1835-1859
6. SCREW: Newspaper Clippings, 1860-1912
7. SCREW: Photographs
8. SCREW: Photographs
9. SCREW: Photographs
10. SCREW: Technical drawings / Plans

Box 3:*Folder*

1. SIDEWHEEL: Articles
2. SIDEWHEEL: Articles
3. SIDEWHEEL: Articles: "John Ericsson & the age of caloric"
4. SIDEWHEEL: Articles: "Simple non-condensing steam engines"
5. SIDEWHEEL: Articles: "Western river steamboat practice"; Western river engine"; "On American river steamers"
6. SIDEWHEEL: Engineer's log form
7. SIDEWHEEL: Newspaper clippings

8. SIDEWHEEL: "Origin of steam navigation, a view of collection pond & its vicinity in the city of New York 1793" copy
9. SIDEWHEEL: Photographs
10. SIDEWHEEL: Receiving Slip – Detroit & Cleveland Navigation Co.
11. SIDEWHEEL: Technical drawings / Plans
12. SIDEWHEEL: Technical drawings / Plans
13. SIDEWHEEL: "Treatise on the steam engine", 1846 (copy)

Box 4:*Folder*

1. BOILERS: Advertisements
2. BOILERS: Articles - Miscellaneous
3. BOILERS: Articles – Miscellaneous
4. BOILERS: Newspaper clippings
5. BOILERS: Photographs
6. BOILERS: Technical Drawings - Boiler blueprints
7. BOILERS: Technical Drawings - Boiler blueprints
8. BOILERS: Technical Drawings – Miscellaneous
9. BOILERS: Technical Drawings – Firebox Boiler
10. BOILERS: Technical Drawings – Scotch Boiler
11. BOILERS: Technical Drawings – Water Pipes (general arrangement; hull no. 75-carferry ANN ARBOR No. 3)
12. BOILERS: "Boiler details" *International Correspondence Schools*
13. BOILERS: "Boiler fittings & accessories" *International Correspondence Schools*
14. BOILERS: "Boiler piping & auxiliaries" *International Correspondence Schools*
15. BOILERS: "Bursting boilers & the federal power"
16. BOILERS: "Characteristics of steam boilers"
17. BOILERS: "Instructions as to the inspection of boilers & machinery of steamships"
18. BOILERS: "Maxims & instruction for the boiler room..."
19. BOILERS: "Morrison engineering data: steam tables & engineering information"
20. BOILERS: "S. Freeman & Sons Man'g. Co...catalogue no. 30"
21. BOILERS: "Steam-boiler design " *International Correspondence Schools*
22. BOILERS: "Types of boilers" *International Correspondence Schools*

Box 5:*Folder*

1. AUXILIARY: Advertisements – Miscellaneous
2. AUXILIARY: Anchors & anchoring
3. AUXILIARY: Articles – Miscellaneous
4. AUXILIARY: Newspaper clippings – Miscellaneous
5. AUXILIARY: Photographs – Miscellaneous
6. AUXILIARY: Technical drawings – Miscellaneous
7. AUXILIARY: Bilge Pump
8. AUXILIARY: Capstan
9. AUXILIARY: Compass
10. AUXILIARY: Lights & Electrical Plants
11. AUXILIARY: Rudder
12. AUXILIARY: "Rudders: a comparison study" by Arthur Amos
13. AUXILIARY: Steam Pump

14. AUXILIARY: Steering Gear
15. AUXILIARY: Whistle
16. AUXILIARY: Windlass / Hoist

Box 6:*Folder*

1. AUXILIARY: "America steam & electric cargo winches; operator's handbook"
2. AUXILIARY: "Atlas Asbestos Co...handbook of insulations, packings, gaskets"
3. AUXILIARY: "Elliot Machine Corp., 75 years of dredging progress, 1885-1960"
4. AUXILIARY: "Griscom-Russell Co...marine feed water heaters" Bulletin no. 510
5. AUXILIARY: "Laclede Boat * & Barge Equipment – general catalog"
6. AUXILIARY: "Lambert-National steam hoists"
7. AUXILIARY: "Marine lubrication, propulsion units and auxiliaries"
8. AUXILIARY: "R. & D. paracoil feed water heater" Bulletin no. 56
9. AUXILIARY: "Superior Iron Works Co...engines & machinery"
10. AUXILIARY: "Superior Iron Works Co...marine auxiliary machinery"
11. AUXILIARY: "Weir auxiliary machinery for marine installations"
12. ENGINES: General
13. ENGINES: General
14. ENGINES: General: "Report on power & machinery employed in manufactures..."