

SHIPBUILDING IN THE PACIFIC NORTHWEST*

Ships and the sea are always fascinating, but they take on a double interest when they are concerned with places we know. Considering the possibilities that offer in the history of shipbuilding in the Pacific Northwest, it is surprising that there have not been more attempts to outline it in a complete form. The famous old *Eiiza Anderson* and a few of the earliest vessels built on the coast are familiar to some of us because of their individual interest; but aside from *Lewis and Dryden's Marine History of the Pacific Northwest*, there are no organized presentation of the subject.

There are excellent accounts of the ship yards, like that of the Hall Brothers, whose work extends back for many years, and of the Oregon Steam Navigation Company, and the beginnings of shipbuilding all along the coast and up the rivers. There are delightful reminiscences of the pioneers which give vivid little pictures of the conditions surrounding marine life forty or fifty years ago. But they are scattered through the volumes of different histories and old bound magazines, so that any impulse to look them up is apt to be checked by the thought, "O, but it takes so long to find them"

It is for this reason that bibliographies on Northwest shipbuilding seem desirable. Anyone who is interested in reading upon the subject will find plenty of material in the well-known books that are in any good Northwest collection. The ensuing bibliography, though it is, of course, incomplete, ought to serve as a time-saver for the reader who is in search of a special topic.

It includes articles on the great rise of the shipbuilding industry with the coming of the war and the Government ship yards. It is interesting to discover that the sites of some of the new yards have their historical importance, in being old yards remodelled, or the locations of projected shipbuilding plants which never materialized because the venture was too costly at the time. The present situation is really a premature culmination of a movement that began far back in the past, and affords rather an unusual study. It certainly cannot be appreciated without a knowledge of that past and an understanding of the opportunities offered by the Puget Sound country. Even the war could not have brought the ship yards here if there had not been a suitable coast upon which

*Prepared in University of Washington Library School in Course on Bibliography

to establish them, and, perhaps, the previous trial-and-error experiments in finding the best locations for them.

Anyone who has had occasion to use *Lewis and Dryden's Marine History of the Pacific Northwest* cannot help realizing what a truly monumental piece of work it is. It extends over a period of about forty years, from 1854 to 1895, giving a complete record of the steps in the growth of the shipbuilding industry, as well as giving an account of the few earlier vessels which are to be remembered for their historical value. In the preface it is announced their aim is to give the marine history, and that only; for it has been omitted from the other histories of the Northwest. To do this, year by year, giving the names and descriptions of the vessels built and the names and activities of the most important men concerned in the various enterprises was obviously a tremendous undertaking.

But the finished book does not present the purely statistical aspect which we would expect of one founded so largely upon statistics. It is accurate and well arranged, with the same general outline for the treatment of each year; important vessels, steamers, sailing vessels, important men, and marine disasters. But it is written so as to avoid undue repetition and anything which might make it dry reading. Because it is so inclusive it has served the most reliable source from which to draw up a chronological table of ships built on the coast. This table is intended to show the relative importance of different localities in marine history, and the rise and fall of the manufacture of steam and sailing vessels in each locality. Wherever possible the classification has been reduced to simply "steam" and "sail," for uniformity's sake and to avoid confusion. Only coastbuilt vessels have been tabulated, though the history covers a great many of the river boats in the earlier times. For drawing general comparisons and discovering the general trend of development of the industry, the table ought to be useful. But for the real interest that centers around Port Ludlow and Port Blakely, Seattle, and Tacoma and Portland, and all the little harbors where marine activities grew and died and grew again, one must read some of the chapters from the history itself.

*Chronological Table of the Chief Coast-Built Vessels
1788-1895*

Date	Name	Place	Kind
1788	Northwest America	Nootka Sound	schooner
1792	Adventure	Clayoquot Sound	sloop
1811	Dolly	Astoria	schooner
1841	Star of Oregon	Swan Island	schooner
1854	H. C. Page	New Whatcom	schooner
1854	Emilie Parker	Olympia	schooner
1854	A. Y. Trask	Port Discovery	schooner
1854	Col. Ebey	Port Townsend	sloop
1856	Umpqua	Coos Bay	schooner
1858	Julia Barclay	Port Blakely	steamer
1858	Eliza Anderson	Portland	steamer
1859	Arago	Coos Bay	brig
1860	Florence E. Walton	Coos Bay	steamer
1861	Rebecca	Dungeness	schooner
1861	Cariboo and Fly	Victoria, B. C.	steamer
1862	Rose (Baranoff)	Sitka	steamer
1863	George S. Wright	Port Ludlow	steamer
1863	Mary Woodruff	Port Madison	steamer
1864	Coldstream	Alberni, B. C.	sail
1864	Passiac	Gray's Harbor	sail
1864	Pioneer	Olympia	steamer
1864	Jenny Jones	Port Townsend	schooner
1864	L. B. Hastings	Port Townsend	sail
1864	Black Diamond	Seattle	steamer
1864	Alexandria	Victoria, B. C.	steamer
1866	Politkofsky	Sitka	steamer
1867	Robert Cowan	Sooke, B. C.	brig
1869	K. L. Mastick	Port Discovery	tug
1869	Forest Queen	Port Ludlow	bark
1869	Phantom	Port Madison	steamer
1869	Tidal Wave	Port Madison	bark
1869	Clara Light	Steilacoom	schooner
1869	Favorite	Utsalady	tug
1869	Linnie	Utsalady	steamer
1869	Emma	Victoria, B. C.	steamer
1870	Lightning	Port Ludlow	schooner
1870	Tolo	Port Ludlow	schooner
1870	Wildwood	Port Madison	steamer

Date	Name	Place	Kind
1871	Etta White	Freeport	steamer
1871	Livley	Mare Island	steamer
1871	Clara	Seattle	steamer
1871	Comet	Seattle	steamer
1871	Zephyr	Seattle	steamer
1871	Katie Ladd	Westport	ferry
1872	Gotana	Coos Bay	schooner
1872	Oregonian	Coos Bay	schooner
1872	Big River	Coos Bay	schooner
1872	Blakely	Port Blakely	steamer
1872	Serena Thayer	Port Discovery	schooner
1872	Mary Parker	Port Townsend	schooner
1872	Maude	San Juan Island	steamer
1872	Georgia	Seabeck	steamer
1872	Etta May	West Port	schooner
1873	Portland	Coos Bay	sail
1873	Empire	Port Madison	steamer
1874	Western Shore	Coos Bay	sail
1874	Annie Gee	Port Ludlow	sail
1874	Ellen J. McKinnon	Port Ludlow	sail
1874	Jessie Nickerson	Port Ludlow	sail
1874	Pio Benito	Port Ludlow	sail
1874	Twilight	Port Ludlow	sail
1874	Addie	Seattle	tow
1874	Fanny	Seattle	steamer
1874	Lena C. Gray	Seattle	steamer
1875	Laura May	Coos Bay	schooner
1875	Panonia	Coos Bay	schooner
1875	L. J. Perry	Port Gamble	schooner
1875	American Girl	Port Ludlow	schooner
1875	Annie Lyle	Port Ludlow	schooner
1875	Cassie Hayward	Port Ludlow	schooner
1875	Emma Utter	Port Ludlow	schooner
1875	Ida Schnauer	Port Ludlow	schooner
1875	La Geronde	Port Ludlow	schooner
1875	Wm. L. Beebe	Port Ludlow	schooner
1875	Fanny Lake	Seattle	steamer
1876	Thomas Corwin	Albina, Ore.	cutter
1876	Katie Flickinger	Belltown	sail
1876	Jennie Stella	Coos Bay	schooner
1876	Capitol	Olympia	steamer

Date	Name	Place	Kind
1876	Courser	Port Ludlow	sail
1876	Premier	Port Ludlow	sail
1876	Reporter	Port Ludlow	sail
1876	Despatch	Port Madison	steamer
1876	Robert & Minnie	Port Madison	schooner
1876	Cassandra Adams	Seabeck	sail
1876	Hyack	Seattle	steamer
1876	Messenger	Seattle	steamer
1876	Minnie May	Seattle	steamer
1876	Nellie	Seattle	steamer
1876	Hayes	Umpqua	schooner
1876	J. B. Leeds	Umpqua	schooner
1876	Mary Parker	Utsalady	schooner
1876	Reliance	Victoria	steamer
1877	John Nation	Belltown	steamer
1877	North Bend	Coos Bay	sail
1877	H. C. Merchant	Marshfield	sail
1877	M. E. Forster	Port Blakely	sail
1877	Wailele	Port Blakely	sail
1877	Hueneme	Port Ludlow	sail
1877	Richard Holyoke	Seabeck	tug
1878	Peerless	Coos Bay	schooner
1878	Old Settler	Olympia	steamer
1878	Catherine Sudden	Port Ludlow	sail
1878	Liholuho	Port Ludlow	sail
1878	Luka	Port Ludlow	sail
1878	Waiehu	Port Ludlow	sail
1878	Gem	Seattle	steamer
1878	Josephine	Seattle	steamer
1878	Woodsied	Sooke	steamer
1879	Santa Rosa	Marshfield	schooner
1879	James Makee	Port Ludlow	steamer
1879	Malolo	Port Ludlow	schooner
1879	Olympus	Seabeck	sail
1879	Cassiar	Seattle	steamer
1879	George E. Starr	Seattle	steamer
1879	Neptune	Seattle	steamer
1879	Emily Stevens	Westport, Ore.	schooner
1880	Eva	Coos Bay	schooner
1880	George C. Perkins	Coos Bay	sail
1880	State of Sonora	Coos Bay	sail

Date	Name	Place	Kind
1880	Aggie	Port Ludlow	sail
1880	C. R. Bishop	Port Ludlow	steamer
1880	Wrestler	Port Ludlow	sail
1880	Augusta	Port Madison	steamer
1880	Hercules	Portland	barge
1880	Wyatchie	Portland	barge
1880	Al Ki	Seattle	steamer
1880	Daisy	Seattle	steamer
1880	Edith Grace	Seattle	steamer
1880	Joe Adams	Seattle	steamer
1880	Seattle	Seattle	steamer
1881	Biz	Arcadia	steamer
1881	Alert	Coos Bay	steamer
1881	James A. Garfield	Coos Bay	steamer
1881	John G. North	Coos Bay	steamer
1881	Shoo Fly	Coupeville	steamer
1881	Annie Larson	Port Blakely	schooner
1881	Hornet	Port Blakely	tug
1881	Lottie Carson	Port Blakely	schooner
1881	Maria E. Smith	Port Blakely	schooner
1881	Kitsap	Port Ludlow	sail
1881	Jeannie	Port Townsend	steamer
1881	Yaquina	Portland	steamer
1881	Frances Alice	St. Helens	schooner
1881	Mary Winkleman	Seabeck	sail
1881	Retriever	Seabeck	sail
1881	Hope	Seattle	tug
1881	Jessie	Seattle	steamer
1881	Lily	Seattle	steamer
1881	Sea Witch	Seattle	steamer
1881	Seattle	Seattle	steamer
1882	General Miles	Astoria	steamer
1882	Edna	Seattle	steamer
1882	Evangel	Seattle	steamer
1882	Steadfast	Seattle	steamer
1882	Baby Mine	Steilacoom	steamer
1883	Baloena	Ballard	steamer
1883	Rustler	East Sound	schooner
1883	Squak	Houghton	steamer
1883	Columbia	Knappton	schooner
1883	Minnie Miller	Lincoln	steamer

Date	Name	Place	Kind
1883	Glen	Marshfield	schooner
1883	Jennie Wand	Marshfield	schooner
1883	Arrow	Olympia	steamer
1883	Parkersburg	Parkersburg	schooner
1883	Corona	Port Ludlow	schooner
1883	Dora Bluhm	Port Ludlow	schooner
1883	Planter	Port Ludlow	steamer
1883	Rosalind	Port Ludlow	schooner
1883	Skagit	Port Ludlow	schooner
1883	Edith R.	Seattle	steamer
1883	Glide	Seattle	steamer
1883	Port Suisun	Seattle	steamer
1883	Sailor Boy	South Bend	schooner
1883	Bob Irving	Tacoma	steamer
1883	Swan	Tacoma	steamer
1884	Sophia	Lake Bay	steamer
1884	Bella	New Westminster	steamer
1884	Leonard	New Westminster	steamer
1884	Shoo Fly	Port Ludlow	steamer
1884	Tyee	Port Ludlow	tug
1884	Maude	Port Madison	steamer
1884	Enterprise	Port Townsend	steamer
1884	Louise	Seabeck	steamer
1884	Cascades	Seattle	steamer
1884	Colby	Seattle	steamer
1884	Pearl	Seattle	steamer
1884	Watchmaker	Seattle	steamer
1884	Skookum	Skookum Bay	steamer
1884	Cuba	Tacoma	steamer
1884	Utsalady	Utsalady	steamer
1884	Mermaid	Victoria, B. C.	steamer
1884	Edith	Whatcom	steamer
1886	Dolphin	Astoria	steamer
1886	Electric	Astoria	steamer
1886	Favorite	Astoria	steamer
1886	Nellie	Columbia	ferry
1886	Cruiser	Coos Bay	tug
1886	Novelty	Coos Bay	schooner
1886	Traveller	Coos Bay	tug
1886	Edith E.	Houghton	steamer
1886	Alton	Marshfield	schooner

Date	Name	Place	Kind
1886	Antelope	Marshfield	steamer
1886	Butcher Boy	Marshfield	steamer
1886	Eloise	Olympia	steamer
1886	Mikahala	Port Blakely	steamer
1886	S. N. Castle	Port Blakely	sail
1886	Wailele	Port Blakely	steamer
1886	W. S. Bowne	Port Blakely	schooner
1886	Planter	Port Ludlow	sail
1886	Albina No. 1	Portland	steamer
1886	Daisy	Portland	steamer
1886	Julia	Portland	steamer
1886	Lena	Portland	steamer
1886	Mikado	Portland	launch
1886	N. S. Bentley	Portland	steamer
1886	Quinant	Portland	steamer
1886	Rosie Olsen	Portland	schooner
1886	Three Sisters	Portland	steamer
1886	Alaskan	Seattle	steamer
1886	Allie I. Alger	Seattle	schooner
1886	Gleaner	Seattle	steamer
1886	Grace	Seattle	steamer
1886	Jennie Carroll	Seattle	steamer
1886	May Queen	Seattle	steamer
1886	Yukon	Seattle	steamer
1886	Bessie	Tacoma	steamer
1886	Clara Brown	Tacoma	steamer
1886	Little Joe	Tacoma	steamer
1886	Mogul	Tacoma	tug
1886	Mischief	Yaquina Bay	schooner
1887	Tolo	Eagle Harbor	steamer
1887	De Haro	East Sound	steamer
1887	Pioneer	Hoquiam	schooner
1887	Volunteer	Hoquiam	schooner
1887	North Bay	Olympia	steamer
1887	F. S. Redfield	Port Blakely	sail
1887	Fred E. Sander	Port Blakely	sail
1887	Lizzie Vance	Port Blakely	sail
1887	Robert Sudden	Port Blakely	sail
1887	S. G. Wilder	Port Blakely	sail
1887	Kitsap	Port Ludlow	schooner
1887	W. F. Jewett	Port Ludlow	schooner

Date	Name	Place	Kind
1887	Zampa	Port Townsend	sail
1887	J. M. Coleman	Seattle	tug
1887	Rainier	Seattle	steamer
1887	Takou	Seattle	steamer
1887	Violet	Seattle	steamer
1887	Bessie	Tacoma	steamer
1887	Skagit Chief	Tacoma	steamer
1887	Mamie	Vancouver, B. C.	steamer
1887	Badger	Victoria, B. C.	steamer
1887	Eliza	Victoria, B. C.	steamer
1887	Muriel	Victoria, B. C.	steamer
1887	Nell	Victoria, B. C.	steamer
1887	Red Star	Victoria, B. C.	steamer
1887	Iris	Wrangel, Alaska	launch
1888	Polar Bear	Astoria	steamer
1888	Volga	Astoria	steamer
1888	Wenona	Astoria	steamer
1888	Ralph J. Long	Bandon, Ore.	sail
1888	Aberdeen	Gray's Harbor	steamer
1888	Rival	Knappton	steamer
1888	Louis	North Bend, Ore.	sail
1888	J. E. Boyden	North Seattle	tug
1888	Meta	Olympia	steamer
1888	T. M. Richardson	Oneatta	steamer
1888	E. K. Wood	Port Blakely	sail
1888	J. M. Coleman	Port Blakely	sail
1888	Oceanica Vance	Port Blakely	sail
1888	Robert Searles	Port Blakely	sail
1888	Lakme	Port Madison	steamer
1888	Puritan	Port Madison	sail
1888	Brisk	Portland	launch
1888	Cyclone	Portland	steamer
1888	Jessie	Portland	launch
1888	Edison	Samish	steamer
1888	E. W. Purdy	Seattle	steamer
1888	Halys	Seattle	steamer
1888	Jayhawker	Seattle	steamer
1888	Delta	Stanwood	steamer
1888	City of Ellensburg	Tacoma	steamer
1888	Harry Lynn	Tacoma	steamer
1888	Henry Bailey	Tacoma	steamer

Date	Name	Place	Kind
1888	Thomas L. Nixon	Tacoma	steamer
1888	Augusta	Yaquina Bay	schooner
1889	Whishkah Chief	Aberdeen	steamer
1889	Elma	Cosmopolis	steamer
1889	Montesano	Cosmopolis	steamer
1889	Detroit	Detroit, Wash.	steamer
1889	Albert Lea	Gig Harbor	steamer
1889	Printer	Hoquiam	tug
1889	Vixen	Maple Grove	steamer
1889	Indiana	Mt. Vernon	steamer
1889	Delaware	New Westminster	steamer
1889	Gardiner City	North Bend	schooner
1889	Edna	Olympia	steamer
1889	Angeles	Port Angeles	steamer
1889	Golden Shore	Port Blakely	schooner
1889	Irmgard	Port Blakely	sail
1889	Robert Lewers	Port Blakely	schooner
1889	Sarah M. Renton	Port Blakely	steamer
1889	Thistle	Port Blakely	steamer
1889	Discovery	Port Townsend	tug
1889	Dispatch	Seattle	steamer
1889	Mascotte	Seattle	steamer
1889	Fairhaven	Tacoma	steamer
1889	Mocking Bird	Tacoma	steamer
1889	Mollie Bleaker	Tacoma	steamer
1889	Sophia Sutherland	Tacoma	schooner
1889	State of Washington	Tacoma	steamer
1889	Al Ki	Utsalady	steamer
1889	Utsalady	Utsalady	steamer
1889	Alert	Victoria	tug
1889	Lorne	Victoria	tug
1889	Advance	Whatcom	steamer
1890	J. M. Weatherwax	Aberdeen	schooner
1890	Occident	Ballard	steamer
1890	Alta	Eagle Harbor	steamer
1890	Eagle	Eagle Harbor	steamer
1890	Hornet	Eagle Harbor	steamer
1890	Rescue	Eagle Harbor	steamer
1890	Wasp	Eagle Harbor	steamer
1890	Vine	Gig Harbor	sail
1890	Chehalis	Gray's Harbor	steamer

Date	Name	Place	Kind
1890	Elma	Gray's Harbor	steamer
1890	Lizzie A.	Henderson Bay	steamer
1890	Annie M. Pence	Lummi	steamer
1890	Willie R. Hume	North Bend	sail
1890	Antelope	Oak Harbor	steamer
1890	Doctor	Olympia	steamer
1891	Flyer	[No place given]	steamer
1891	Chicago	Aberdeen	launch
1891	A. R. Robinson	Brooklyn	steamer
1891	Ellis	Ballard	steamer
1891	Florence Henry	Ballard	steamer
1891	Occident	Ballard	steamer
1891	Transit	Ballard	schooner
1891	Homer	Bandon, Ore.	steamer
1891	Laurel	Chican, Alaska	steamer
1891	Arago	Coos Bay	sail
1891	Bowhead	Coos Bay	sail
1891	Volante	Coos Bay	sail
1891	Virgil T. Price	Eagle Harbor	steamer
1891	La Bon Ton	Edmunds	steamer
1891	City of Aberdeen	Gray's Harbor	steamer
1891	Clan McDonald	Grays Harbor	freighter
1891	Myra	Hoodspout	steamer
1891	Chehalis	Hoquiam	sail
1891	Coos River	Marshfield	steamer
1891	Rambler	Montesano	launch
1891	Caledonia	New Westminster	steamer
1891	E. M. McGill	North Bay	steamer
1891	Rover	Olympia	steamer
1891	Alice Cook	Port Blakely	sail
1891	Aloha	Port Blakely	sail
1891	John D. Tallant	Port Blakely	sail
1891	Meteor	Port Blakely	sail
1891	Prosper	Port Blakely	sail
1891	W. H. Talbot	Port Blakely	sail
1891	Rapid Transit	Port Hadlock	freighter
1891	Aida	Port Ludlow	sail
1891	Dandy	Port Orchard	steamer
1891	Elwood	Portland	steamer
1891	Ocean Wave	Portland	steamer
1891	Victorian	Portland	steamer

Date	Name	Place	Kind
1891	Anaconda	Seattle	sail
1891	Emmett Felitz	Seattle	sail
1891	Forsaken	Seattle	steamer
1891	Lena	Seattle	launch
1891	Maggie H. Yarrow	Seattle	steamer
1891	Marion A.	Seattle	launch
1891	Minnie M.	Seattle	steamer
1891	Monoma	Seattle	launch
1891	Mystic	Seattle	tug
1891	Perhaps	Seattle	launch
1891	Renton	Seattle	launch
1891	Lillian R. Moore	Tacoma	steamer
1891	Capilano	Vancouver, B. C.	steamer
1891	Comox	Vancouver, B. C.	steamer
1892	Progress	Aberdeen	steamer
1892	Augusta	Ballard	steamer
1892	Beaver	Ballard	steamer
1892	Island Belle	Ballard	steamer
1892	Monticello	Ballard	steamer
1892	Stimson	Ballard	steamer
1892	H. C. Wahlberg	Coos Bay	schooner
1892	Prosper	Coos Bay	sail
1892	Toiwo	Grays Harbor	steamer
1892	Gleaner	Hoquiam	sail
1892	Thistle	Hoquiam	steamer
1892	Aloha	Port Blakely	sail
1892	Bonita	Port Blakely	sail
1892	Lyman D. Foster	Port Blakely	sail
1892	William Bowden	Port Blakely	sail
1892	Achilles	Portland	sail
1892	Alice Blanchard	St. Michael's Id.	steamer
1892	Deahks	Seattle	sail
1892	Ellis	Seattle	steamer
1892	Guy	Seattle	launch
1892	Laura	Seattle	launch
1892	Lemolo	Seattle	launch
1892	Milton	Seattle	launch
1892	Willard Ainsworth	Seattle	sail
1892	Winifred	Seattle	launch
1892	Minnie M.	Snohomish	steamer
1892	City of Stanwood	Stanwood	steamer

Date	Name	Place	Kind
1892	Blue Star	Tacoma	steamer
1892	Edith M.	Tacoma	launch
1892	Freda	Tacoma	launch
1893	Josie Burrows	Aberdeen	steamer
1893	Winchester	Coos Bay	sail
1893	George W. Prescott	Irondale	sail
1893	Blanco	Marshfield	steamer
1893	Lydia Thompson	Port Angeles	steamer
1893	Alert	Port Blakely	sail
1893	C. S. Holmes	Port Blakely	sail
1893	Magic	Port Blakely	tug
1893	Pharos	Port Townsend	steamer
1893	Primrose	Port Townsend	steamer
1893	Kehani	Portland	steamer
1893	W. S. Ladd	Portland	dredge
1893	Hattie Hansen	Pontiac	steamer
1893	Angeline	Seattle	steamer
1893	Columbia	Seattle	sail
1893	Gypsy	Seattle	steamer
1893	Ida Etta	Seattle	sail
1893	Lillie	Seattle	steamer
1893	Princess	Seattle	steamer
1893	St. Lawrence	Seattle	sail
1893	Telegraph	Seattle	steamer
1893	Utopia	Seattle	barge
1893	Crescent	Tacoma	steamer
1893	Delight	Tacoma	steamer
1893	Elsie	Tacoma	steamer
1893	Emily Seward	Tacoma	steamer
1893	Emma Florence	Tacoma	steamer
1893	Henry A. Strong	Tacoma	steamer
1893	Northwestern	Tacoma	steamer
1893	Orion	Tacoma	steamer
1893	Rhododendron	Tacoma	steamer
1893	Stampede	Tacoma	steamer
1893	Victor	Tacoma	steamer
1894	City of Bothwell	[No place given.]	steamer
1894	City of Renton	[No place given.]	steamer
1894	Penguin	Ballard	sail
1894	Stella Erland	Ballard	sail
1894	Vigilant	Ballard	steamer

Date	Name	Place	Kind
1894	General Siglin	Coos Bay	sail
1894	Omega	Coos Bay	sail
1894	Peregrim	Coos Bay	sail
1894	Ariel	New Whatcom	steamer
1894	Ella Johnson	Port Angeles	sail
1894	Eyas	Port Blakely	steamer
1894	Loyal	Seattle	schooner
1894	M. M. Morrell	Seattle	schooner
1895	City of Everett	Everett	whaleback

BIBLIOGRAPHY

- "An Appreciation of the Eighth Emergency Fleet District," in *Pacific Marine Review*, Vol. 15, 70-73, September, 1918.
- BANCROFT, H. H., *History of Oregon, 1848-1888*. pp. 727-729. Names, dates, tonnage of first Oregon ships. Names of yards and owners.
- BANCROFT, H. H., *History of Washington, Idaho and Montana 1845-1889-1890*, pp. 328-332. Names, dates, uses, tonnage of earliest ships built in Washington. Names of yards.
- CLARKE, S. A., *Pioneer Days of Oregon History*, 2 vols. 1905, vol. 2, pp. 616-627. Pioneer shipbuilding. Story of the Star of Oregon.
- CLAYSON, EDWARD, *Historical Narratives of Puget Sound, Hood's Canal, 1865-1885*. 1911. Pp. 106. The era of sloops, p. 61. A ship launch, p. 94.
- "Comparative Statement of Shipbuilding Industry, Portland District," in *Pacific Marine Review*, vol. 15,, p. 71, May, 1918. Compares December 10, 1916 with April 10, 1918. A table.
- CRANDALL, L. D., "The Colonel Wright," in *Washington Historical Quarterly*, vol. 7, pp. 126-132, April, 1916.
- "Cunarders Launched on our Pacific Coast," in *The World's Work*, vol. 34, p. 132, June, 1917. Seattle yards mentioned. Mostly Potrland.
- "The Dalles-Celilo Canal," in *Pacific Marine Review*, vol 12, pp. 13-16, July, 1915. The river boats, pp. 14, 16.
- "Development of Steel and Wooden Yards in and near Portland and Seattle" in *Pacific Marine Review*, vol. 14, pp. 65-84, September, 1917.
- "Douglas Fir Timber on the Pacific Coast," in *Pacific Marine Review*, vol. 16, p. 93, January, 1919.

- DYMENT, C. V., "West Coast Shipbuilding," in *Review of Reviews*, vol. 57, pp. 619-627, June, 1918. Comparison steel, wood and concrete output, p. 622. Yards having government contracts, p. 623. Statistics, location, names and output of yards. Tonnage and names of vessels.
- ELLIOTT, T. C., "The Dalles-Celilo Portage: Its History and Influence," in *Oregon Historical Society Quarterly*, vol. 16, pp. 133-174, June, 1915. Oregon Steam Navigation Company and a few of the Columbia River steamers, pp. 158-173.
- GILLETT, P. W., "A Brief History of the Oregon Steam Navigation Company," in *Oregon Historical Society Quarterly*, vol. 5, pp. 120-132, June, 1904.
- "The Great Drive on the West Front," in *Pacific Marine Review*, vol. 15, p. 113, December, 1918. Comparative statistics, dates, yards, output. Condensed. Valuable.
- "A Great Wooden Shipyard," in *Pacific Marine Review*, vol. 15, pp. 99-100, May, 1918. Foundation Company at Portland Brief. Illustrated.
- GREENHOW, ROBERT, *Memoir, Historical and Political, on Northwest coast of North America and the adjacent territories*. 1840. Pp. 228. The "Northwest America," p. 103.
- HAWTHORNE, JULIAN, and BREWERTON, G. D., *History of Washington, the Evergreen State*, 2 vols. 1893. Lake Washington favorable future shipyard because of being free of teredos, vol. 2, p. 294.
- HUGGINS, EDWARD, "Puget Sound Pioneer Vessels," in *Washington Historian*, vol. 6, p. 196, July, 1900. Service rendered by the Eliza Anderson. For building of this vessel, see Scott, *History of Portland, Oregon*, p. 251.
- JUDSON, K. B., *Early days in Old Oregon*, 1916. Pp. 262. The "Northwest America," pp. 19-21, 25.
- KELLY, R. W. and ALLEN, F. J., *The Shipbuilding Industry*. 1918. Pp. 303. Recent shipbuilding on the Pacific coast, pp. 43-45.
- LANG, H. O., ed., *History of the Willamette Valley*. 1895. Pp. 902. The "Northwest America," pp. 100-110. The "Adventure," second vessel built on the Pacific coast, north of Mexico. p. 121. The "Dolly," p. 157.
- Lewis and Dryden's Marine History of the Pacific Northwest*. 1895. Pp. 494. See appendix for tabulation of vessels built.
- LYMAN, W. D., *The Columbia River*. 1918. Pp. 418. "When fire-canoes took the place of log-canoes." History of ships for river navigation, pp. 234-248.

- MCCURDY, J. G., "Evolution of the Pacific Coast Sailing Fleet," in *Pacific Monthly*, vol. 17, pp. 617-628, June, 1907. Good. Names of vessels not given elsewhere.
- MARSHALL, STEPHEN, "The Vision of the Ships: A Look Forward in Shipbuilding for After the War Trade," in *The Forum*, vol. 60, pp. 352-360, September, 1918. Future of Pacific yards, pp. 357-359.
- MEANY, E. S., *History of the State of Washington*. 1910. Pp. 406. Puget Sound navy yard. Growth and a few statistics, pp. 346-347.
- MEANY, E. S., *Vancouver's Discovery of Puget Sound*, 1907. Pp. 344. The "Northwest America," p. 30.
- "A Modern Steel Shipyard," in *Pacific Marine Review*, vol. 15, pp. 82-84, May, 1918. The Northwest Steel Company of Portland.
- NASH, WALLIS, *Two Years in Oregon*. 1882. Pp. 311. Statistics of the Oregon Railway and Navigation Company, pp. 274-276.
- "Northwestern Shipyards," in *Pacific Marine Review*, vol. 14, pp. 53-77, May, 1917.
- "One of Seattle's Great Institutions," in *Pacific Marine Review*, vol. 15, pp. 99-102, July, 1918. Duthie steel yards. Illustrated.
- "Our War Fleet of Wood," in *Literary Digest*, vol. 54, pp. 12-42. April 28, 1917. Expediency and lasting value of wooden shipbuilding industry on the Pacific coast.
- "Pacific Coast Shipbuilding Returns," in *Pacific Marine Review*, vol. 16, pp. 150-152, February, 1919. Complete. Lists yards and their output, contracts. Authorized by Navy Department. No dates.
- POPPLETON, I. L., "Oregon's First Monopoly: The Oregon Steam Navigation Company," in *Oregon Historical Society Quarterly*, vol. 9, pp. 274-304, September, 1908.
- "The Possibilities of the Large Wooden Ship," in *Pacific Marine Review*, vol. 15, pp. 109-111, August, 1918. Oregon, past and present.
- PROSCH, CHARLES, *Reminiscences of Washington Territory. Scenes Incidents, and Reflections of the Pioneer Period on Puget Sound*. 1904. Pp. 128. Three wooden schooners at Steilacoom pp. 82-83.
- RIDDELL, H. H., "The Dalles, Oregon," in *Oregon Native Son*, vol. 2, p. 130, July-August, 1900. River boats. Brief.

- SCHAFFER, JOSEPH, *A History of the Pacific Northwest*. 1905. First ships launched, pp. 37-38. Ships built at Vancouver, p. 131. Brief references, pp. 172, 179, 242, 260, 280.
- SCHAFFER, JOSEPH, *A History of the Pacific Northwest* (Revised edition). 1918. Pp. 323. The "Star of Oregon," p. 138.
- Scott, H. W., ed., *History of Portland, Oregon*. 1890. Pp. 651. River navigation, pp. 249-260. Excellent. Better than Lewis and Dryden. Ships, their makers, places, uses. People's Transportation Company, Oregon Steam Navigation Company and Oregon Railroad and Navigation Company. Independent vessels.
- "Seattle Construction and Dry Dock Company," in *Pacific Marine Review*, vol. 12, pp. 29-32, May, 1915.
- SEATTLE DAILY TIMES, *Seattle and the Orient*, 1900. Pp. 184. Moran Brothers, pp. 49-56. One of best accounts of pre-war activities. Hall Brothers' yard, pp. 61-62.
- "Seattle Shipyards Closed by Strike," in *Railway and Marine News*, vol. 17, pp. 18-42, February, 1919. Future of Northwest shipyards; foreign contracts, wages, official viewpoints, pp. 18, 25, 29, 30, 34, 36, 42.
- "Seattle's Record Makers," in *Pacific Marine Review*, vol. 15, pp. 89-97, July, 1918. Skinner and Eddy yards. Illustrated.
- "Shipbuilding in Canada," in *American Review of Reviews*, vol. 56, p. 185, August, 1917.
- "Shipbuilding in the Northwest," in *Pacific Marine Review*, vol. 14, pp. 40-44, January, 1917. Summary of growth in 1916. Names of yards and firms.
- "Shipbuilding in the Northwest," in *Pacific Marine Review*, vol. 14, pp. 47-49, May, 1917. Description of progress of Hall Brothers' yard, with names of ships built between 1874 and 1903.
- SNOWDEN, C. A. *History of Washington, the Rise and Progress of an American State*, 4 vols. 1909. The "Northwest America," vol. i, pp. 110, 116. The "Star of Oregon," vol. iii, pp. 193-194.
- "Tacoma's Place in Steel Shipbuilding," in *Pacific Marine Review*, vol. 15, pp. 105-112, July, 1918. Todd shipbuilding plant.
- Underwood, J. J., "Because He Wanted To," in *Sunset*, vol. 41, pp. 44-45, August, 1918. Story of Robert Moran, Puget Sound shipbuilder.

- UNITED STATES COMMISSION TO SELECT A SITE FOR A NAVY YARD ON THE PACIFIC COAST, NORTH OF THE 42D PARALLEL OF NORTH LATITUDE. *Report*. 1889. Pp. 48.
- UNITED STATES COMMISSIONER OF NAVIGATION, *Report for year ended June 30, 1915*. 1915. Pp. 220. Table of tonnage 1906-1915, p. 86, Seattle and Portland given.
- UNITED STATES COMMISSIONER OF NAVIGATION, *Report for year ended June 30, 1916*. 1916. Pp. 245. Table of number of ships built on the Pacific coast 1857-1916, with their gross tonnage, p. 237. Valuable.
- UNITED STATES COMMISSIONER OF NAVIGATION, *Report for year ended June 30, 1918*. 1918. Pp. 237. Number of vessels of different classes built at various ports, with tonnage, p. 178. In Oregon: Marshfield, Newport, Astoria, Portland; in Washington; Seattle.
- UNITED STATES SHIPPING BOARD EMERGENCY FLEET CORPORATION *Timber schedule and specifications for standard wood steamship; Pacific coast*. Pp. 17. Tables.
- VICTOR, F. F., *The River of the West*. 1870. Pp. 620. Oregon Steam Navigation Company, pp. 579-580. Comprehensive note.
- "Waterways at Seattle, Washington," in *Senate Document, 65th Congress, 3d. Session*, December 15, 1918, pp. 2-3. Importance of Duwamish waterways since building of shipyards. Vessels launched and in process of construction.
- WILKES, GEORGE, *History of Oregon, Geographical and Political*. reprinted in *Washington Historical Quarterly*, vol. 1, p. 180, April, 1907. Note of the "Northwest America."
- "Willamette Iron and Steel Works." in *Pacific Marine Review*, vol. 12, pp. 36-37, May, 1915. Brief. Illustrated.
- "The Wonder Ship of the World," in *Pacific Marine Review*, vol. 15, pp. 97-98, November, 1918. The Aberdeen, launched 17 days after keel laying, at Gray's Harbor.
- "Wooden Shipbuilding on the Pacific Coast," in *Pacific Marine Review*, vol. 16, pp. 76-77, January, 1919. Condensed history of shipbuilding as far as 1876.
- "Wooden Shipbuilding Revived," in *Pacific Marine Review*, vol. 12, pp. 16-21, Desember, 1915. Good. Shipyards at the time when the war impetus came.
- "The Wooden Ship is Not Making Good. A curtailment of the wooden ship program," in *Sunset*, vol. 41, p. 11, October, 1918.

- "A Wooden Yard With a Purpose," in *Pacific Marine Review*, vol. 15, pp. 126-127, July, 1918. Meacham and Babcock yard on Salmon Bay. Brief.
- World Almanac*, 1919. Number of ships turned out in Pacific yards between January 1 and September 30, 1918, p. 720.
- WRIGHT, E. W., "The Future of the Wooden Ship," in *Pacific Marine Review*, vol. 15, pp. 100-101, June, 1918.
- WYCKOFF, A. B., "Reminiscences of the Survey of Puget Sound, and of the Establishment of the Puget Sound Naval Station," in *Washington Historian*, vol. 2, pp. 57-64, January, 1901. Valuable. Advantages of Port Orchard as a station.
- WYCKOFF, A. B., *Starting the Puget Sound Navy Yard and the Dry Dock, and the Actual Beginning of the Lake Washington Canal*. 1908. Pp. 14.
- WYLLIE, J., "Early Shipbuilding on the Pacific Coast," in *Pacific Marine Review*, vol. 14, pp. 52-55, June, 1917. Condensed. Earlier periods.
- WYLLIE, J., "The Northwest America," in *Pacific Marine Review*, vol. 14, p. 52, March, 1917. Illustrated. One of best on the "Northwest America."
- WYLLIE, J., "Our Early Shipbuilders, the Russians," in *Pacific Marine Review*, vol. 14, p. 62, April, 1917.

HELEN DURRIE GOODWIN