

# Life at Sea, Part 2: Keeping Dry

by [Iver Cooper](#) | Dec 16, 2020 | [1632 Tech](#), [Gazette Extras](#), [Iver Cooper](#)

## Bibliography

Agricola, De re Metallica (Hoover transl., 1912)

Barnaby, The Protection of Iron and Steel Ships against Foundering from Injury to their Shells, including the Use of Armour, J. Iron & Steel Institute 37: 438 (1890).

Brown, Nelson to Vanguard: Warship Design and Development 1923-1945 (2012).

Brown, The Grand Fleet: Warship Design and Development 1906-1922

Cai Wei, et al., Watertight bulkheads and limber holes in Ancient Chinese Boats,

[www.shipwreckasia.org/wp-content/uploads/Chapter2.pdf](http://www.shipwreckasia.org/wp-content/uploads/Chapter2.pdf)

Gardiner, Frigates of the Napoleonic Wars (2006).

Greene, Pumping Machinery (1911).

Holmes, Ancient and Modern Ships ().

[HovingAT] Hoving, The Ships of Abel Tasman.

[HovingNW] Hoving, Nicolaes Witsen and Shipbuilding in the Dutch Golden Age

Lamb, Exploration and Exchange: A South Seas Anthology, 1680-1900 (2000).

Lavery, The Colonial Merchantman: Susan Constant, 1605 (1988).

Leslie, A Sea-Painter's Log (1886).

McElvogue, Tudor Warship Mary Rose.

Magoun, The Frigate Constitution and Other Historic Ships.

Nicholson, The Operative Mechanic (1825).

Owen, The Tonnage and Freeboard of Merchant Ships (1906).

[Pilot] "Narrative of the Wreck of the Ship 'Protector'", The Pilot, or Sailors Magazine 341 (Nov. 1839)

Pope, Life in Nelson's Navy

Sadler, Blood on the Wave: Scottish Sea Battles (2012).

Sephton, Sovereign of the Seas ( ).

Smith, A Short History of Naval and Marine Engineering (2013).

Taylor, Muckle's Naval Architecture (2013).

Tucker, American Civil War: The Definitive Encyclopedia and Document Collection (2013).

[WCT] "A Useful Invention on Ship-Board," West Coast Times, Issue 1633, p. 2 (Dec. 9, 1871)

Wade, "Windmill Pumps" (Letter), Nautical Magazine 45: 1027 (1876).

Winfield, British Warships in the Age of Sail 1603-1714 (2010)

Wood, Pumps and Water Lifters for Rural Development, (1977).

Yannopoulos, Evolution of Water Lifting Devices (Pumps) over the Centuries Worldwide, Water, 7:5031-5060 (2015).

**[Note to artist, you can see a picture of the windmill on the Sigyn bark (not barge) on p. 50 of Claps, Free-wheeling in Scandinavia]**