

24/10/69

Additions to our Specification of 15<sup>th</sup> inch  
for Screw Steam Barge for Otto Pohl Esq Liverpool

To place a double angle iron stringer midway between bilge stringer & deck of similar size to latter from stem to bulk head at fore end of water ballast tank.

Hatches to be 8'-6" wide, side crammings to stand ~~4~~<sup>12</sup>" above top of deck. Air & safety pipes to be provided for water ballast tank. Three metal scuppers to be placed on each side of vessel. A shaped stanchions for bulwarks in place of K. Winchlass for lifting anchors with winch attached. Fore hatch removed one frame forward.

Fore stay connected to deck stringer instead of top of stem. Mast & funnel to lower. Iron hatch over water ballast tank to be made in two pieces. A Captain's house to be placed on deck at fore end of galley, to be fitted with sofa, falling table, wash basin, cupboards & drawers.

Signer mast to stand 30 feet above deck. Screw steering gear made to put rudder at right angles to keel. Two hand deck pumps. A derrick fitted to mast for discharging cargo. Mast head & side lamps. Engines to be high pressure & condensing combined high pressure cylinder to be 12" diam low pressure do 21" diam. Stroke of Engines 1'-6".

The bottom of the vessel to be coated with Portland cement up to turn of bilge. Sides of vessel in way of coal bunkers to be cased with 1 1/2" spruce

October 30<sup>th</sup> 1869

Mac Shonnie Lewis



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