

# Composite Ship

## REPORT of SURVEY for REPAIRS.

27353

No. in Reg. Book. **No.** 423 Survey held at London Date 13<sup>th</sup> 623<sup>rd</sup> March 1866  
 on the Ship "John Lidgett" Master not appointed.  
 Tonnage 770 Built at Glasgow When built 1862  
 By whom built Stephen Owners Messrs Lidgett & Sons  
 Port belonging to London Destined Voyage Shanghai  
 If Surveyed Afloat or in Dry Dock West India Dock & Clyde Dry Dock

Last Survey, No. 1953 Port Glasgow Classed 15 A 1  
 REPAIRS Iron frame, Plank (Expl B.S.) 62

Now done, the whole of the Ceiling extending from the Angle Iron Stringer at the upper part of the bilges to the Centre line, all the Ceiling between the lower deck beams and one strake of it on each side in the tween decks. Removed found the Angle Iron Frames and the bottom fastenings from the bilges to the middle line, and the planking at the bilges covered with Portland Cement. All Plank fastenings are 7/8 Yellow Metal Nut and Screw bolts set up on Yellow Metal rings or washers - whenever there appeared a moisture about these fastenings in the bilges and at other parts we caused the nuts and washers to be removed for the purpose of ascertaining if any chemical action had taken place on the Iron frames under them. On the Port-

Present Condition of the side at the bilge above the Cement there was a rent.

Decks <u>Good</u>	Treenails <u>None</u>	Windlass and Capstan
Waterways <u>Good</u>	Breasthooks and Stemson	Pumps <u>Good and sufficient</u>
Comings <u>Good</u>	Transoms, Pointers, and Crutches	Boats
Upper Deck Beams & Fastenings <u>Firm</u>	Timbers of the Frame at the openings	Masts, Yards, &c. <u>Good by enquiry and examination from the deck</u>
Lower Deck Beams & Fastenings	Ditto Ditto at other places	Sails
Planksheers	Keelsons <u>Good</u>	Anchors No. of <u>Good and sufficient</u>
Sheerstrakes <u>Good</u>	Clamps and Shelves	Cables <u>Good and sufficient</u>
Topsides <u>Good</u>	Ceiling	Hawsers and Warps
Wales	Rudder <u>Yellow Metal</u>	Standing & Running Rigging <u>refitted</u>
Plank (Bottom) and Counter	<del>Copper</del> <u>on felt</u> When put on <u>1865</u>	

General Observations and Opinion,

Caulking of Bottom, Deck, & Waterways. Good where seen

She is in excellent condition where ever seen, and fit in our opinion to remain classed 15 A 1. and to be marked in the Registering Book B.S. 1866.

The Amount of Fee.....£ : : is received by me,

Special..... 2 : 2 :

Certificate (if required) : :

Committee's Minute 27<sup>th</sup> March 1866

Character assigned

15 A 1

LON 650-0392



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in one of the Planks which leaked, it extended across a bolt - the bolt exposed to the action of this leak has been driven on and upon examination at these parts there was not apparently any deterioration from the action of the Yellow Metal bolts, nuts or washers, on the Iron Frame, and the bolt hole appeared perfect - We also caused some of the Cement to be cut out for the examination of the nuts, Angle Iron frame and plank under it; the Planks where thus exposed proved quite-satisfactory and the bolts, nuts and Angle Iron frames were perfectly dry. Caused the nuts and washers exposed to be removed, and found that the Cement had thoroughly protected the Iron frame and the Yellow Metal fastenings, as there was not the least sign of either oxidation or deterioration -

There was oxidation on the frames, reverse frame and floor plates, where not coated with Cement, such as would be found in an Iron ship which had been closed up for a like period - say for about three years and a half - All Iron work which has now been exposed from the upper part of the bilges downwards has been thoroughly scraped and painted with Red Lead, and a large quantity of Portland Cement has been added from the bilges to the middle line. A voucher has been produced showing that her bottom was sheathed with Yellow Metal in March 1860 at Calcutta, it has not the least sign of wrinkle or other symptom of strain, - indeed the vessel's appearance altogether is quite satisfactory - Her Yellow Metal sheath has now been coated with Kelly's Patent Paint, and each of her lower masts shortened three feet -

We have in this instance, as in many others, observed what an excellent preservative Portland Cement is to Iron when chipped off from <sup>it</sup> the surface of the Iron seemed quite dry and perfect -

B. Weymouth

Williamson.