

REPORT of SURVEY for REPAIRS, &c.

No. in Reg. Book. **No. 3647** Survey held at *West Hartlepool* Date, first Survey *24th April* Last Survey *13th June* 18*76*
 on the *Sea, St. Helena* Master *Richardson*

TONNAGE under Tonnage Deck *690.72*
 Ditto of Spar Deck, or Avoing Deck *62.42*
 Ditto of Poop *2.35*
 Ditto of Raised Or. Dk. *15.24*
 Ditto of Houses on Deck *778.73*
 Gross Tonnage *743.25*
 Crew Space, as per Rule *249.19*
 Register Tonnage, cut on Beam *494.26*
 Engine Room
 Reg. Tons as St^rmer, cut on Bm.

Built at *Stockton* When built *1862* - *7*
 Owners *Palgrave & Co* Port belonging to *Dublin*
 Residence *Dublin*
 By whom built *Richardson* Destined Voyage *India*
 If Surveyed Afloat or in Dry Dock *In Dry Dock*

Length of Poop *ft.* Ditto, Forecastle *ft.* Ditto, Raised Quarter Deck *ft.* Years assigned. *Classed A1* Character in Register Book *A1*

Last Survey, No. *13847* Port *India* *S.S. Ind. No. 4-72* *Feb 11/75*

REPAIRS, OR EXAMINATION AS PER RULE *Special Survey No. 3 for Iron Ships*

Engines & Boilers taken out - holds cleared for 24h. All close ceiling removed, rivets plates frames stringers bulk floor plates Nelson beams whittier bulkheads inner surface of plating exposed all oxidation removed inside & out. Thickness of plating ascertained by drilling, found very little diminution from the Original thickness. Windlass masting & part wood linings stripped chain cables up & ranged for inspection.

Repairs now done 10 floor plates doubled at centre line under Engine space with 9/16 plate 8ft. in length. Rivets through floors & frames in Engine & boiler space renewed, four lengths of angle iron renewed on the bottom edges of Nelson plates. Two bent shell plates taken out of flat, reset & refitted, rivets in after part of keel renewed. Rudder masting repaired & refitted. Reverse frames in boat bunks repaired added an angle iron on inner edge of hold beam stringer the whole length of Engine & boiler space. Upper deck renewed with 3/4 yd. Pine. Foremast new Pine. Deck casing 7.1.0

Present Condition of the
 Decks *Good, upper one new*
 Waterways *Gutter Good*
 Comings *Good*
 Upper Deck Beams & Fastenings *Good*
 Lower Deck Beams & Fastenings *Good*
 Plank sheers
 Sheerstrakes *Good*
 Topsides *Good*
 Wales *Good*
 (Bottom) and Counter *Good*
 Engine Room Skylights *Good* Coal Bunker, Openings, Lids, &c. *Good* Scuppers *Good* Cargo and Main Hatchways *Good* Hatches *Good*
 General Observations, Opinion as to Class, &c. *She now been specially surveyed under the Rules Survey No. 3 for Iron Ships. Is now in a good & efficient state fit for the safe conveyance of dry & perishable goods to & from all parts of the World. & may in our opinion be Classed A1*
S.S. Ind. No. 3-76.

Treenails *Good*
Breasthooks and Stems *Good*
Transoms, Rointers, and Crutches *Good*
Timbers of the Frame at the openings *Good*
 Ditto Ditto at other places *Good*
Keelsons *Good*
Clamps and Shelves
Ceiling *Good*
Rudder *Good*
Copper *When put on*
Caulking of
Bottom, Deck, & Waterways *Good*
Windlass and Capstan *Good*
Pumps *Two of 7 inch one of 6 inch metal.*
Boats *Three Good*
Masts, Yards, &c. *Good*
Condition, how ascertained *Keel Deck*
Sails *Good*
Anchors *No. of 3 Bowers 1 Stern 2 Kedges.*
Cables *270 fathoms or 176*
Hawsers and Warps *11-12-62-6-6. Good*
Standing & Running Rigging *Good*

The Amount of Entry Fee ... £ 5 : 0 : 0 received by me, *W. J. P. Stone*
 Special ... £ 5 : 5 : 0 - 21 June 1876
 Certificate (if required) ... £ : 5 : 0
 (Travelling Expenses, if any, £)
 Committee's Minute *24th June* 18*76*
 Character assigned *A1*
W. J. P. Stone
Surveyor to Lloyd's Register of British and Foreign Shipping.

IRON 467-0035
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X 16527 Iron.

new of Iron, Flat of Engine & boiler space cemented, rub with Portland cement
1. Other parts where required, being coated inside & rub with Paint & black
Varnish, being relaid.

S. P. Gladstone
~~W. M. Minwall~~



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