

REPORT of SURVEY for REPAIRS, &c.

No. 8604 Date of Writing Report 16 June 1888 Port of Glasgow
 No. in Reg. Book 622 Survey held at Glasgow Date, First Survey 9 May 1888 Last Survey 12 June 1888
 on the Iron S.S. "Minerva" Master Rurell

TONNAGE:—
 NET 427 Built at By whom Palmer & Co When 1862 -
 GROSS 676 Owners Palgrave, Murphy & Co Port belonging to London
 UNDER DECK 685 Owners' Address
 (if not already recorded in Appendix to Register Book.)
 If Surveyed Afloat or in Dry Dock Ship Name of Dock Inghis Destined Voyage Cadiz
 Length of Poop ft.: of Forecastle ft.: of Raised Or. Deck ft.: Moulded Depth ft. ins.
 (if these particulars are not yet recorded in the Register Book.)

Last Survey, No. 8102 Port Glasgow
 Classified S.S. London 3-75 95 A.I.
 S.S. London 2-83 8.87

(State clearly the cause of Repairs if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Society's Freeboard (if assigned) in Summer ft. ins.
 Repairs on account of Damage should be separated from Repairs due to other causes. State also the dates and Initials as painted on Ship in Winter ft. ins.
 of any letters respecting this case.)

REPAIRS, OR EXAMINATION AS PER RULE, FOR Special Survey No. 3 & Damage repairs.

S.S. No. 3. The bottom examined, the Holds, Bunkers & Peaks cleared, all close ceiling removed. All iron work cleaned.

Parts of ten Reverse frames in Bunkers, eight under Boiler, five in the after hold and eight in the forepeak renewed.

The Side & upper deck Stingers in Coal bunkers renewed for 15 ft. and the bidge Stinger angles doubled for 9 ft. & some of the stays repaired.

The Boiler bulkhead repaired and about 3/4 the bunker plating renewed.

Four new deck plates forming sole plates to Crane & mounds at ends of main & after hatchways fitted. The upper deck flat, excepting seven

planks starboard side, entirely renewed of 3 1/2 inch pitch pine. About one-half the R.P.D. flat renewed of 3 p.p. pine & 11 planks in R.P.D. in forepeak of white pine. All the close ceiling renewed of 2 1/2 p.p. pine.

A new Carling fitted of bulk iron & two additional pillars starboard side of R.P.D. after Hatchway. Parts of the angles to three upper D. beams amidships renewed. The Bridge removed, repaired & refitted. A new Coaling hatchway

PRESENT CONDITION OF THE

Boats	Boats	Boats	Boats	Boats
Keels	Plank (Bottom) & Counter	Ceiling	Boats	Boats
Waterways	Treenails or Rivets	Rudder	Masts, Yards, &c.	Boats
Comings	Breasthooks & Stemson	Windlass & Capstan	Condition, how ascertained	By Exam
Pr Dk. Beams & Fastenings	Transoms, Pointers, & Crutches	Pumps	Sails	food
Low'r Dk. Beams & Fastenings	Timbers of Frame at the openings	Cement (if Iron Ship)	Anchors No. of	3 B. D. 2 K.
Plank sheers	Ditto ditto at other places	Caulking of Bot'm, D'k, & Wat'rways	Cables	210 fath
Sheerstrakes	Keelsons	Copper, or Y.M. (State if on Feil.) When put on	Hawsers & Warps	
Topboards	Clamps & Shelves		Standing & Running Rigging	
Wales			Hatches	
Engine Room Skylights	Coal Bunker, Openings, Lids, &c.	Scuppers	Cargo & Main Hatchways	

General Observations, Opinion as to Class, Recommendation, &c.:

This vessel having been submitted to the Rule requirements & now placed in good Condition she is in our opinion eligible to retain her present Character and to have record added in Register Book C.D. No. 3. 88

Entry Fee (if chargeable) per Scale I., Sec. 27... £ 3 : - : -
 Office Fee (if chargeable) per Scale II., Sec. 27... £ - : - : -
 Survey Fee (per Section 23) £ 4 : 4 : -
 Special on Damage, Fee (if any) (per Sec. 23) £ 4 : 4 : -
 *Certificate (if required) to be sent as per margin £ - : 5 : -
 Travelling Expenses (if chargeable) £ - : - : -
 Second Surveyor's Fee (if any) £ - : - : -
 Counterfoil 10308

Committee's Minute
 Character assigned Lmk 6/88
 FRIDAY 22 JUNE 1888
 95 A.I.
 S S No 3 - 6/88
 13/6/1888
 Received by me
 20/6/1888
 Surveyor to Lloyd's Register of British & Foreign Shipping.
 Lloyd's Register
 4LS155-0372(112)

S.S. "Minerva": — hatchway 6 x 3, Comings 25 x 7/8 refitted on R. & D. Cope iron at upper edges of other Hatchway comings renewed & Hatches repaired.

Starboard side abaft Forecastle. four rough-iron stanchions 12 ft of Spirkett renew and recemented between stanchions as formerly. Top side bottom repaired.

Thirty feet of shoe plating forward renewed.

Three new crutch girtles fitted to Rudder & one rebushed.

The Chain cables ranged & those with anchors & general equipment examined. The following being now renewed.

Certificates	Faths	"	Test.	
No 4693.	15 1/2	1 5/8 chain cable	46 1/2 + 31 tons	} A. O. Jacks Chester.
4654	15	"	— " — 26 1/2 TBI —	
4656	30	"	— " — " —	

90 — 3 Steel hawser 18 tons J. S. Hall & Co.

The inside & outside generally repainted.

Damage by Collision & foundering. Starboard bow. one plate in the 1st & 2nd strakes below Sheer & four butt straps renewed & one frame repaired by doubling.

At Stern. Renewed six bulwark stanchions & 28 ft of Rail. The steering gear. Fair leads. guard stanchions & rods. Inboard pipes & cabin fittings, in way of same refitted and 10 ft of wood moulding renewed: —

One plate in the garboards each side & 28 ft of shoe plating renewed & cement in way of same renewed

J. C. H.