

REPORT of SURVEY for REPAIRS, &c.

No. in Reg. Book. **No. 11513** Survey held at **Sunderland** Date, first Survey **August 4th** Last Survey **13th October 1876**
453 on the **Sew. S. "Frankland"** Master **H. Warren.**

TONNAGE under Tonnage Deck
 Ditto of Spar Deck, or Awning Deck
 Ditto of Poop
 Ditto of Raised Qr. Dk.
 Ditto of Houses on Deck
 Ditto of Forecastle
 Gross Tonnage
 Crew Space, as per Rule
 Register Tonnage, cut on Beam
 Engine Room
 Reg. Tons as St' mer, cut on Bm.
 Built at **Sunderland** When built **1869.** YEAR. MONTH.
 Owners **H. Y. Morton** Port belonging to **Sunderland**
 Residence **250 High Street West. Sunderland**
 By whom built **J. Laing** Destined Voyage **Coasting**
 If Surveyed Afloat or in Dry Dock **Austins Dry Dock.**
 Length of Poop **54'** ft. Ditto, Forecastle **12'** ft. Ditto, Raised Quarter Deck **9'** ft. Years assigned. **90** Character in Register Book. **A. 1**

Last Survey, No. **74665** Port **Bordeaux Iron** Classed **90 A. 1**

REPAIRS, OR EXAMINATION AS PER RULE **pt. of S.S. No. 2. at Owners - S.S. No. 1. 74**
request. Viz. The Vessel placed in Dry Dock the timber boards, ceiling on Tank tops, and ceiling in Hold equal to three Strakes fore and aft on each side removed, and both surfaces of outside plating also all iron work inside above the cement cleaned from oxidation.

The Windlass part stripped and neckings examined; Chain cables not ranged; part double Bottom pressed with a head of water above the light water mark and found in good condition.

The Boilers removed, the upper angles to Middle line keelson in way of same renewed (wasted) and a Rider plate added, repaired the angles similarly in the Fore Hold and added new Boiler

Present Condition of the	Good	P. J. Over.	Seatings.
Decks	Good	Windlass and Capstan	good
Waterways	"	Pumps	"
Comings	"	Boats	three
Upper Deck Beams & Fastenings	"	Masts, Yards, &c.	"
Lower Deck Beams & Fastenings	"	Condition, how ascertained	from Deck and engine
Planksheers	"	Sails	"
Sheerstrakes	"	Anchors	No. of 3 B. 1 S. 2 K. good.
Topsides	"	Cables	not seen.
Wales	"	Hawsers and Warps	"
Plank (Bottom) and Counter	"	Standing & Running Rigging	good
Engine Room Skylights	good	Cargo and Main Hatchways	good
Coal Bunker, Openings, Lids, &c.	good	Hatches	good
Scuppers	good		
General Observations, Opinion as to Class, &c.			

The Hatchways of this Vessel are now altered so as to constitute her a "Selftrimming" ship. She is in good and efficient condition and fit in my opinion to remain as Classed. Viz. 90 A. 1.

The Amount of Entry Fee ... £ 2 : 0 : 0 received by me, }
 Special ... £ 6 : 6 : 0
 Certificate (if required) ... £ 0 : 5 : 0

Committee's Minute **31st October 1876**

Character assigned **90 A. 1**

Joseph Keen.
 Surveyor to Lloyd's Register of British and Foreign Shipping.

This vessel appears eligible to remain as classed 90 A. 1.

Lloyd's Register Foundation

17250 Iron

The Cement in the (Double) Bottom and at other places where necessary repaired.

This Vessel is now altered to a Self-Trimming Collier. The Hatchways at each end of the Vessel are altered as shown on the accompanying Sketch; the tie plates are fitted each side of the same of double width and are efficiently shifted beyond the Hatchways; deep Webb plates as shown on the Sketch are fitted permanently in each Hatchway, the bottom of which forms a strong Beam by the addition of four angles; efficient knee plates are fitted inside and attached to Coamings and Beams where practicable; in each Hatchway there are two strong fore and afters formed of bulbs and two angles to support the Hatches ^{the latter of} which are solid and efficient; in each Hold all fore and aft, King Boards are fitted to prevent the Cargo from shifting.

The Hold Beams remain intact and are protected on the upper part by a Rider plate in way of the above hatchways.

Several new shifts of Deck now added in way of each Hatchway on each side.

Joseph Keller.