

\*17771 Swansea No 2460  
HMS 2/5/77

# Report of Survey for Repairs of Engines and Boilers.

No. 11

No. in Reg. Book. Survey held at

Swansea

Date, first Survey Dec 16<sup>th</sup>. 1876 Last Survey Jan 7. 22/78 77

413 on the

Foyle S.S.

Master Bradley

199

320

Owners Michael M. Christie

Port belonging to

Londonderry

Classed

Years assigned.

Character in Register Book.

90. A1.

Cylinder 2 28"

Stroke 21"

Steam 30

Horse Power 56

Engines made at

South Shields

When made 1872

By whom made

Marshall Osburn & Co

**Particulars of Repairs and Examination** At the request of Owners examined damaged machinery caused by Steamer sinking when under full steam through colliding with a barque when off Swansea Roads

December 16<sup>th</sup>. 1876 Vessel on blocks in Swansea Dry Dock.

**Found** The bilges filled with mud & sand, main injection valve & pipe blocked on ships bottom also donkey sea suction & water service. Engine journals and working parts of engines in defective condition. Bilge and donkey pump suction in bilge choked. Surface condenser blocked with sand & lubricating gear also steam & vacuum gauges injured. Telegraph gear also injured. A dangerous connection between main injection & bilge do.

**Boiler** Crown of dome at lap of plating started, joint of safety valve on boiler leaking 2 longitudinal seams on side of shell leaking rivetting & seams on bottom of shell started casing over dome of boiler broken in. The whole of engine & boiler room very dirty.

**Repairs** All working parts of engines disconnected & overhauled. Cylinder covers lifted, pistons examined, slide valves taken out, surface condenser tubes drawn & cleaned. India rubber falls of air & circulating pumps renewed. All cocks & valves on ships bottom taken out & cleaned. Main injection pipe disconnected & cleaned also bilge pumps, pipes & valves, lubricating gear overhauled also telegraph ditto. Steam & vacuum gauges readjusted. Bilge, engine room & stoke hole cleaned. A non-return valve fitted on bilge injection pipe.

**Boiler** The leaky seams caulked also defective rivets, safety valve overhauled, new plates fitted on casing over dome of boiler.

**Boiler tested** Dec 10<sup>th</sup> at 60 lbs per sq inch by water.

Jan 7. 22. Steam on engines & boiler both working satisfactorily and the undersigned is quite of opinion that as far as the <sup>Machinery</sup> ~~vessel~~ is concerned is eligible to remain on the class.

The Amount of Fee ... £ 5 : 5 : 0 received by me,

Certificate (if required) ... £ : : Jan 24. 1877

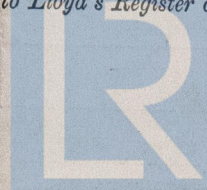
(Travelling Expenses, if any, £ 3. 4 - 6)

Committee's Minute

18

Charles H. Jacobs

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



Lloyd's Register  
Foundation

IRON 470 - 0172