

## REPORT of SURVEY for REPAIRS, &amp;c.

Date of writing Report 27<sup>th</sup> Jan 1898 When handed in at Local Office 29<sup>th</sup> Jan 1898 Port of Glasgow  
No. in Survey held at Azr & Glasgow Date, First Survey 16<sup>th</sup> May 1897 Last Survey 24<sup>th</sup> Jan 1898  
Reg. Book. on the Wood, Iron & Steel Sc. "Angelo" Master Wm Donald (1897. Ashmole)

TONNAGE:— Built at Glasgow By whom Mackie & Thomson When 1894—  
GROSS 122.19 Owners D. Rowan Jun Port belonging to Glasgow  
UNDER DECK 94.96.76  
NET 43.46.69 Owners' Address  
(If not already recorded in Appendix to Register Book.)

Surveyed Afloat or in Dry Dock? Hauled up Name of Dock at McNeill's Yard & Co. Destined Voyage Coasting.

WB=CellD BorDBa feet; uE&B feet; f feet; }  
total capacity tons FPT 78 tons; APT tons; MT feet tons. }

N.B.—All alterations in the existing records should be underlined.

If the vessel has Water Ballast Tanks, state whether the manhole covers have been removed, and the insides of the tanks examined. Also state the amount of deterioration (if any) found in the thicknesses of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Last Survey, No. 15227 Port Glasgow

(Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be summarised in the form shown below. Whenever the replacement of Anchors, Chains, or Hawsers is reported, the particulars of weight or size and test of the articles should be clearly stated, and also the weight or size, &c., required by the Rules, together with the vessel's Equipment Letter, if any. State also the dates and initials of any letters respecting this case. M. 12. 1897, 10. 1898)

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. X for Special Survey. Date of last Survey and of Periodical Surveys.	Years since last survey.	Machinery and Boiler Surveys (including date of N.B., if any).
A.1.		2 Lmc.
S.S. Iron h27.97		4.97.
Coasting & Canal purposes.		
Society's Freeboard (if assigned) as		
Painted on Ship and now verified		

REPAIRS, OR EXAMINATION AS PER RULE, FOR on account of lengthening vessel 20ft amidships as per Committee's letters above referred to; the sheerstrake is doubled in way of the break as shown on the tracing, cross tie plating is introduced at the front of No. 2 Dk, strong beam is fitted in the machinery space, the deck plating alongside large hatchway is 1/2" thick, and the scantlings of the new part is equal to those used in the original construction, thus, Keel 5x1/2" frames 3x2 1/2" x 1/4", spaced 20" apart, red frames 2 1/2" x 2 1/2" x 5/16" steel; floors 10 1/2" x 5/16" iron; the garb 8 1/2"; A strake 9/20; B strake 9/20; C strake 6 1/2" and Sheerstrake 7/20, additional web frames have been fitted, the fore peak water ballast tank extended aft and afterwards backed by water pressure, doubling plates are fitted to the corners of the large hatchway; the deck plating abreast of the hatchway has been decked over with 3 1/2" plate and caulked, all as shown on the approved tracing. as altered, 1/2 breadth 9.00 34.2 = 1 1/2" x 84.67 = 2895 - 2 1/2" x 84.67 = 2100; 1 1/2" = 9.51; 2 1/2" = 4.7  
1/2 breadth - 16.2  
Depth - 8.9  
new equipment h27.2996.  
main hatchway is now 33ft by 13ft, with solid hatches 2 1/2" thick, and fore & afters 3 1/2" as shown; the equipment has now been increased to make it in accordance with requirements of Rules.

SUMMARY OF DAMAGE REPAIRS	Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	Dk. Plates.	Other Items:—
Renewed ...	19	4	4	10	-	-	-	Skull frame, rudder & Keel.
Faired or Repaired ...	19	16	-	8	-	-	-	renewed.
PRESENT CONDITION OF THE	Timbers of Frame at the openings	Loch	Rudder	Loch	Hatches	Loch		
Decks	Ditto ditto at other places	Loch	Windlass & Capstan	Loch	Boats	Loch		
Waterways	Keelsons	Loch	Have Pumps now been examined and found efficient?	Loch	Masts, Yards, &c.	Loch		
Coamings	Stringers, Clamps & Shells	Loch	Have Sluice Valves now been examined and found efficient?	Loch	Condition, how ascertained	Loch		
Up'r Dk. Beams & Fastenings	Selling (State if examined.)	Loch	Have Watertight Doors now been examined and found efficient?	Loch	(State if wedges removed)	Loch		
Low'r Dk. Beams & Fastenings	Ceiling	Loch	Dblg. Plates under Sounding Pipes	Loch	Sails	Loch		
Plating	Cement or Asphalt (State which.)	Loch	Engine Room Skylights	Loch	Equipment letter	Loch		
Planking	Tanks (State if now tested.)	Loch	Coal Bunker, Open'gs, Lids, &c.	Loch	Anchors, No. of	Loch		
Rivets or Treanils	Caulking of Bot'm, D'k, & Wat'rwys	Loch	Scuppers	Loch	Cables (State if now ranged)	Loch		
Breasthooks & Stemson	Copper, or Y.M. (State if on Fell.)	Loch	Cargo & Main H'tch'wys	Loch	" length (on board)	Loch		
Transoms, Pointers, & Crutches	When put on, Month & Year	Loch		Loch	" Rule length (per Table 22)	Loch		
		Loch		Loch	Hawsers & Warps	Loch		
		Loch		Loch	Standing & Running Rigging	Loch		

## General Observations, Opinion as to Class, Recommendation, &amp;c.:—

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example:—"to remain as now classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1.97," or "to remain as classed and to have record of survey, 1.97, and the notations of ss No. 1-97 and ptnD97, &c."

This vessel having now been efficiently repaired and lengthened, she is in my opinion eligible to remain as classed, and to have record of survey 1.98, and the notations of len 20ft. 98. 4.

Office Fee (if chargeable) per Scale II., Sec. 27	£			Fees applied for,
Survey Fee (per Section 25)	£	3	3	29.1. 98
Special Damage or Repair Fee (if any) (per Sec. 25.)	£			Received by me,
Travelling Expenses (if chargeable)	£	3	5	14.2. 18.98
Second Surveyor's Fee (if any)	£			8.11. 98

Committee's Minute

Character assigned

FRI, 4 FEB 1898

new kept dimensions 85.6, 18.45, 7.95  
Equipment Letter A. See amended Tonnage. FPT. 15th

W. J. Tennant  
Surveyor to Lloyd's Register of British & Foreign Shipping.

A1 Coastg. River & Canal qual.  
len 98 Note also to Foundry.  
615180-0034 (1/2)



Port of

Glasgow

Continuation of Report No.

15797

dated

THUR, 3 FEB 1898

21st

Jan, 98

on the

S. S. "Angelo"

(Equipment letter a.)

The under named Anchors, chain cable &amp; Warps, have now been added to make equipment = Table 2.2.

No Cert	Anchor	Stock	Test per fath	Wt per fath	Depth	Maker	When & Where tested & Supt?
32574	3.0.0	0.3.0	5.10.0.0	3.0.0	Rodgers	-	R.W.C. 2.12.97. H. T. Welford
-	0.3.0	0.0.22	-	0.3.0	Common	-	-
-	0.2.0	0.0.15	-	0.2.0	do	-	-

No of Cert	fathoms	Size	Test per fath	Weight	per fath	Depth	Maker	When & Where tested & Supt?
13271	15	11/16	11 1/4 5 5/8	4.1.12	3.3.25	Shot	-	R.W.C. 2.12.97. H. T. Welford

45 fms 2' steel wire, rest 7 tons: 75 fms 5 1/2 Hawsar and 90 fms of 3/4 warp.

Repairs now done on account of the damage stated to have been sustained on the 15<sup>th</sup> June 1897 and subsequent dates, by going ashore on the Mull of Kintyre; renewed 10 floors at fore end of hold and 3 in fore peaks faired, 4 floors under engine seating partly renewed and 1 at fore bulkhead of E & B space also partly renewed; 7 frames and reverse frames at fore end of hold renewed, 9 frames in E & B space partly renewed on port side and 4 on the starboard side, 3 frames in fore peaks partly renewed on port side; the stern frame renewed 5'2", the rudder renewed 3 1/2' clear ahead, and the keel 5'1 1/4'; 19 shell plates renewed and 19 others off. furnace plates replaced; lower belting removed and thick rubbering plate fitted instead; engines lifted cementing all made good throughout the vessel, all ceiling renewed with 2 1/2' pine, new masts and rigging fitted, boats repaired, also pumps, deck pumps, recoated bottom & sides.

J.L.S.