

REPORT of SURVEY for REPAIRS, &c.

Date of writing Report *27th Jan 1898* When handed in at Local Office *29th Jan 1898* Port of *Glasgow*
 No. in Survey held at *Ayr & Glasgow* Date, First Survey *16th May 1897* Last Survey *24th Jan 1898*
 Reg. Book. *674* on the Wood, Iron or Steel Sc. *"Angelo"* Master *Wm Donald (1897, Asher)*

TONNAGE:— Built at *Glasgow* By whom *Mackie & Shewan* When *1894* - *1*
 GROSS *122.19* Owners *D. Rowan Jun* Port belonging to *Glasgow*
 UNDER DK. *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 *M. Knight's Yard & Dock* Destined Voyage *Coasting*
 WB=Cell/Dor/Dca _____ feet; uE&B _____ feet; f _____ feet;
 total capacity _____ tons FPT *76* 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.

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 expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<i>A.1.</i>		<i>2nd Div. C.</i>
<i>S.S. Draught 1-97</i>		<i>4.97.</i>
<i>Coasting Ship & Canal purposes.</i>		
Society's Freeboard (if assigned) as painted on Ship and now verified } _____ ft. _____ ins.		

Last Survey, No. *15227* Port *Glasgow*

(Periodical Surveys, when held, must be reported in detail and seriatim 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*)

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 3/4" thick, and the scantlings of the new part is equal to those used in the original construction, thus, side 5x1/4" frames 3' x 2 1/2" x 3/16, 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" x 3/16; 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" pine and caulked, all as shown on the approved tracing.*

as altered, 1/2 breadth 9.00 34.2 = 1 1/2 H.O. x 84.67 = 2895 - 2 1/2 H.O.; 2/3 = 9.51; 2/3 = 4.7
2 1/2 breadth - 16.2
Depth - 8.9
new equipment H.O. 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 not been increased to make it in accordance with requirements of rule 22.

SUMMARY OF DAMAGE REPAIRS	Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	Dk. Plates.	Other Items:—
Renewed ...	19	7	4	10	-	-	-	Skern frame, rudder & Haal.
Faired or Repaired ...	19	16	-	8	-	-	-	renewed.

PRESENT CONDITION OF THE	Timbers of Frame at the openings	Rudder	Hatches
Decks <i>Good</i>	Ditto ditto at other places <i>do</i>	<i>Good</i>	<i>Good</i>
Waterways <i>do</i>	Keelsons <i>do</i>	Windlass & Capstan <i>do</i>	Boats <i>do</i>
Coamings <i>do</i>	Stringers, Clamps & Shells <i>do</i>	Have Pumps now been examined and found efficient? <i>Yes</i>	Masts, Yards, &c. <i>Yes</i>
Up'r Dk. Beams & Fastenings <i>do</i>	Saltg. (State if examined.) <i>-</i>	Have Sluice Valves now been examined and found efficient? <i>Yes</i>	Condition, how ascertained <i>By beams</i>
Low'r Dk. Beams & Fastenings <i>-</i>	Ceiling <i>do</i>	Have Watertight Doors now been examined and found efficient? <i>nil</i>	(State if wedges removed <i>Yes</i>)
Plating <i>do</i>	Cement or Asphalt <i>Cement</i>	Dblg. Plates under Sounding Pipes <i>Good</i>	Sails <i>Good</i>
Planking <i>-</i>	Tanks (State if now tested.) <i>Yes</i>	Engine Room Skylights <i>do</i>	Equipment letter <i>A</i>
Rivets or Treanils <i>do</i>	Caulking of Bot'm, D'k, & Wat'rwys <i>do</i>	Coal Bunker, Open'gs, Lids, &c. <i>do</i>	Anchors, No. of <i>4</i>
Breasthooks & Stems <i>do</i>	Copper, or Y.M. (State if on Fell.) <i>Replaced</i>	Scuppers <i>do</i>	Cables (State if now ranged) <i>Yes</i>
Transoms, Pointers, & Crutches <i>do</i>	When put on, Month & Year <i>bottom Nov 97</i>	Cargo & Main H'tchw'ys <i>do</i>	" length <i>120ft</i> size <i>1/2"</i>
			" Rule length <i>120"</i> size <i>1/2"</i>
			(per Table 22)
			Hawsers & Warps <i>Good</i>
			Standing & Running Rigging <i>do</i>

General Observations, Opinion as to Class, Recommendation, &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. 9.

Office Fee (if chargeable) per Scale II., Sec. 27	£	Fees applied for,	£
Survey Fee (per Section 25)	3	<i>29.1.98</i>	18.98
Special Damage or Repair Fee (if any) (per Sec. 25.)	£	Received by me,	£
Travelling Expenses (if chargeable)	3	<i>11.2.98</i>	18.98
Second Surveyor's Fee (if any)	£	<i>2.11.98</i>	£

Committee's Minute **FRI, 4 FEB 1898**
 Character assigned *A1 Coastg. River & Canal*

alterations + 2mc 1.98
len 98 note abt 2. Found 2898
 Surveyor to Lloyd's Register of British & Foreign Shipping.
65180-0034 (1/2)

Has a Survey also been held on the Machinery of the Ship? If so, is the Report sent now, or when will it be sent?

Is Certificate required? If so to be sent to

Port of *Glasgow*

Continuation of Report No. *15797* dated *2nd Jan, 98* on the

THUR, 3 FEB 1898

S. S. "Angelo"

(Equipment letter a.)

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

No Cert	Anchor	Shoel	Dist per fath	Wt per fath	Depth	Maker	When tested & by whom
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	Dist per fath	Weight	per fath	Depth	Maker	When tested & by whom
13271	15	11/16	11 1/4 5 5/8	4.1.12	3.3.25	Stobbs	-	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 15th 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 fairer, 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 1/2", the rudder renewed 3 1/2" deep at head, and the keel 5 x 1 1/4"; 19 shell plates renewed and 19 others off furnace joined & replaced; lower bolting removed and thick rubbing 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.H.S.

