

THU. JUL 22 1920

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office

State if Report is also sent on the Machinery of the Vessel *Yes.*

Date of completion of report *16th July 1920.* Port of *Greenock.* No. *17681*  
Survey held at *Port Glasgow & Glasgow.* Date, First Survey *22nd April, 1919.* Last Survey *9th July, 1920.*

On the (State if Single, Twin, or Triple Screw) *steel single screw S.S. "RONALD"* Rig *Fore & Aft schooner.*  
Tonnage under Tonnage Deck *5580.6* CLASS *100A1* Master *L. B. Christensen*

Do. between Tonnage Dk. and 3rd and 4th Dk. *4.56*  
Total under Upper Dk. *172.74*  
Do. of Pop *4.56*  
Do. of Bridge House *457.59*  
Do. of Forecastle *29*  
Do. of Houses on Dk. *33.57*  
Do. of Hatchways *6249.35*  
Do. of Room *494.87*  
Do. of Space *33.57*  
Do. of Room *5720.91*  
Do. of Engine Room *1999.79*  
Do. of Navigation Spaces *135.76*  
Do. of Tonnage *3618.93*

Breadth (greatest moulded) *55.69*  
Depth, at middle of length from top of keel to top of upper deck beams at side *31.31*  
Transverse Number *84*  
Length on deck from fore part of stem to after part of stern post *422.68*  
Longitudinal Number *36773.16*  
Depth "d," at middle of length (See Secs. 2 & 13) *19.9*  
Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.49*  
Long Bridge Deck Beam at side to top of keel *10.8*

Year of appointment *1919*  
Built at *Port Glasgow*  
When built *1920.* Launched *10th May 1920.*  
By whom built *Messrs Robt Duncan & Co. Ltd.*  
Owners *Atkieselskapet Hektor.*  
Managers *H. Bugge.*  
Residence *Tonsberg.*  
Port belonging to *Tonsberg.*

Destined Voyage *Norway.* If Surveyed while Building, Afloat, or in Dry Dock *Building Afloat.*

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
422	8 1/4	Moulded	55	8 1/8	Top of Floors to top of Upper Dk. Beams	28	9 3/4	Two
					Do. do. do. do. Second Dk. Beams	20	9 3/4	No. of Tiers of Beams
					Moulded depth, ft. 39 ins. 3 1/4			To Bridge Dk. Round of Upper Dk. Beam, Actual 14 ins.
					Moulded depth, ft. 31 ins. 3 1/4			To Upper Dk.

FRAMING.						PILLARS.					
Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	Inches per Rule Or as Approved	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	Inches per Rule Or as Approved
AME, Angle, E L Bars amidships	10	3 1/2	56	10	3 1/2	56	PILLARS In 'tween Deck, size and spacing				
Do. in peaks	8	3 1/2	40	8	3 1/2	40	Hold				
Do. in way of Double Bottoms at Solid Floors	8 1/2	3 1/2	42	3 1/2	3 1/2	42	Quarter 'tween Dks.				
Do. at intermdt. Bkts.	8	3 1/2	44	8	3 1/2	44	in Hold				
ing of Frames from centre to centre amidships	26 1/2		26 1/2				KEELSONS & STRINGERS.				
Do. from 1/2 length to Collision bulkhead	26 1/2		26 1/2				CENTRE LINE KEELSON, Vertical (above floors, Through Plate, or Intercoastal Plate)				
Do. in peaks	24		24				Rider Plate				
VERSED FRAME, Angles	3 1/2	3 1/2	42	3 1/2	3 1/2	42	Flat Plate Keel Angles				
Do. in way of Double Bottoms at Solid Floors	8	3 1/2	40	8	3 1/2	40	Horizontal Plates on Floors				
Do. at intermdt. Bkts.	10" B.A.		10" B.A.				Angles or Bulb Angles				
AMING, depth of girder							SIDE KEELSONS, Number				
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							Angles or Bulb Angles				
Do. in way of Engine and Boiler Spaces							Plate above floors, for length				
thickness at the ends of vessel			40		40		Intercoastal Plate, for length				
depth at 1/2 the half breadth, as per Rule							Attached to outside Plating with Angle				
height extended at the Bilges			40		40		BILGE KEELSON, Angles				
DOORS in Cell. Double Bottoms			40		40		Intercoastal Plate for length				
state if flanged (top & bottom)							Attached to outside Plating with Angle				
Spacing of Solid floors	44		52	44	52		SIDE STRINGERS, Number 2				
NTRE GIRDER, in Dbl. bottom, dpth. & thckns.	44		52	44	52		Angle				
Angles, Top	3 1/2	3 1/2	52	3 1/2	3 1/2	52	Intercoastal Plate, for appd. length				
Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	Attached to outside plating with Angle				
to Floors	6	6	48	6	6	48	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)				
Brackets at intermdt. frmg., width & thckns	48		40	48	40		br'dth & thickness (in way of Bridge)				
DE GIRDERS, number on each side & thickness	2		40	2	40		Angle (clear of Bridge)				
state if flanged (top and bottom)							Tie Plates at sides of Hatchways				
Angles (top and bottom)	3 1/2	3 1/2	42	3 1/2	3 1/2	42	Deck. Steel, for full lng.				
to Floors	3	3	40	3	3	40	Thickness (clear of Bridge)				
MARGIN PLATE, depth (exclusive of flange) and thickness	45		48	36	48		(in way of Bridge)				
Angle to Outside Plating	4	4	48	4	4	48	Second Deck Stringer Plate, br'dth & thickness				
Floors	6	6	48	6	6	48	Angles on ditto, No. 2				
Brackets at intermdt. frmg., width & thckns	36		40	36	40		Tie Plates outside Hatchways				
Height of Outside Brackets above at bilge	44		50	44	50		Deck. Steel, for full lng.				
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	42		52	42	52		Wood Deck, Material & thickness				
in Engine and Boiler space			E 50 B. 66		E 50 B. 56		Third Deck Stringer Plate, br'dth & thickness				
Remainder in Holds			40		40		Angles on ditto, No.				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	48	7	3	48	Tie Plates, outside Hatchways				
In way of Long Bridge	8	3	42	8	3	42	Deck. Material and thickness				
Spacing	26 1/2		26 1/2				Fourth and Fifth Deck Stringer Plate, breadth & thickness				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	48	8	3 1/2	48	Angles on ditto, No.				
Spacing	26 1/2		26 1/2				Tie Plates outside Hatchways				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	9	3 1/2	50	Deck. Material & thickness				
Angles on upper edge							Poop Deck Stringer Plate, breadth & thickness				
Spacing	48	53	48	53			Angle on ditto				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	7	3	40	Tie Plates				
Angles on upper edge	7 1/2	3	42	7 1/2	3	42	Deck. Material and thickness				
Spacing	26 1/2		26 1/2				Forecastle Deck Stringer Plate, br'dth & thckns				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	56	11	3 1/2	56	Angle on ditto				
Angles on upper edge							Tie Plates				
Spacing	48		48				Deck. Material and thickness				



EQUIPMENT No.				LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING No.				FOR TRAWLERS			
Number of Certificate.		Anchors.		WEIGHT EX STOCK		WEIGHT OF STOCK		TEST PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor		Makers.		Where and when tested and Superintendent.			
Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwt.	qrs.	lbs.	Cwts.	qrs.	lbs.							
24963.	1st Bower ...	78	3	14	Bushless	58	2	2	0	68	0	0	Oyers stockless.	Not stated	Sld. 5-12-19 L. Haffner.				
24848	2nd " "	59	0	14	"	44	16	2	7	68	0	0	"	"	" 6-11-19 "				
24847.	3rd " "	59	0	14	"	44	16	2	7	58	2	0	"	"	" 6-11-19 "				
* 33243.	4th " "	197	0	14	"					194	2	0	"	"	"				
33118.	Stream .....	19	0	14	"	5	0	10	19	19	2	21	Ordinary	H. Bykes & Sons Ltd.	31-12-19 J.C. Paul				
	Kedge.....	4	3	18	"	2	0	24	10	0	1	7	"	"	" 11-12-19 "				
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.  1st Bower Weight of head incl pin 54' 2". Surveyors In. J.S.W.C. 1 <sup>st</sup> of test 2570. Date of test 22+29-8-19. 2nd " " " " " " " " " " W.C. " " 2479 " " " 1470-9-19 3rd " " " " " " " " " " W.C. " " 2581. " " " 1470-9-19 **** " * Please Secretary's letter M. 30.4.20 approving equipment of lower anchors.																			
CHAIN CABLES.																			
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.			
Fathoms.	Inches.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Inches.								
13362	270	2 1/2	96 1/2	134 1/2	732-2-21	720-3-4	270	2 1/2	Lynch Bros	2 N.H. 23-12-19 A. Green									
Stream Wire	90	5	59				90	5	G.B.W. Goran Ropeworks Ltd.										
HAWSERS AND WARPS.																			
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.			
Fathoms.	Inches.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Inches.								
13362	270	2 1/2	96 1/2	134 1/2	732-2-21	720-3-4	270	2 1/2	Lynch Bros	2 N.H. 23-12-19 A. Green									
Stream Wire	90	5	59				90	5	G.B.W. Goran Ropeworks Ltd.										
Boats Cliffrate Steering Gear, Steam Salterville Steamer. Steering Gear, Hand Sailing tackle fitted & worked from after wheel.																			
Pumps, Number	1 Rounton Pump, 1 Fore Peak Hand Pump & 1 Steam Diameter of Barrel 1 1/2 inches 5 1/2". State whether they are in efficient working order or not.																		
Windlass is	of iron slowly revolving Walker Thompson Co. Ltd. Captain																		
Engine Room Skylights.—How constructed?	Steel plates & angles What arrangements for deadlights in bad weather? Strong bulls eyes.																		
Coal Bunker Openings.—How constructed?	" " How are lids secured? Cleats, battens sharp Height above deck? 30"																		
Number of Scupperns, and numbers and dimensions of Freeing Ports, &c.	2 scupperns + 2 freeing ports in well, ports 28" x 18"																		
Ceiling in Holds, thickness and material	2 1/2" W.P. under hatchways in cargo holds Cargo Battens, thickness and material 6 x 2 W.L.																		
Cargo Hatchways.—How formed?	Steel plates and angles Hatches, if strong and efficient? 3 1/2" solid W.P.																		
State size No. 1 Hatch (Forward)	22' 1" x 18' 1" No. 2 Hatch 30' 11" x 22' 2" No. 3 Hatch 19' 10 1/2" x 18' 1" No. 4 Hatch 30' 11" x 22' 2"																		
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch	No. 1 15, 4 webs, No. 2 4, 5 webs, No. 3 3 webs, No. 4 3 webs, 24 3/4" x 18'																		
No fore and afters																			
Bulwarks, height above deck and description	steel 45" x 15. No. of Breasthooks 4 Y. dup floors No. of Crutches, dup floors in hull Main Rail, material and size 6" x 3 1/2" x 40 ft. R.R.																		
The foregoing is a correct description of the vessel	For ROBERT DUNCAN AND COMPANY LIMITED. Surveyor's Signature K.A.T. Howie. Surveyor to Lloyd's Register of Shipping.																		
Builder's Signature (here enter)	J.H. Stirling SECRETARY																		
Correspondence.—State dates and initials of letters respecting this case (reference should be made in any correspondence connected with the case) M. 14-3-19, 12-3-19, 13-3-19, 17-3-19, 19-3-19, 21-3-19, 21-3-19, 26-3-19, 29-3-19, 14-4-19, 29-4-19, 17-5-19, E. 28-5-19, M. 11-6-19, 17-6-19, 18-6-19, 27-7-19, 13-9-19, 30-4-20																			
Workmanship. Are the butts of plating planed or otherwise fited? Planed as far as practicable																			
Is the riveted work properly closed? Yes																			
Are the liners between the frames and plates solid single pieces? Jogged frames.																			
Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes																			
Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes																			
Do any rivets break into or through the seams or butts of the plating? A very few.																			
Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes																			
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory																			
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory.																			
General Remarks (State quality of workmanship, &c.) This vessel has been constructed in accordance with the approved plans, the Secretary's letters referred to above and in accordance with the Society rules and regulations for the class contemplated.																			
The materials used in the vessels construction are good & the workmanship is good.																			
Each of the large oil tanks have been tested separately under the approved pressure and all found satisfactory.																			
Secretary Letter re omission of 2 truss deck bulkheads M. 29-4-19.																			
Letter from Owners re bolted plates in truss deck bulkheads forwarded also reports on forgings and castings.																			
The vessel was placed in dry dock, bottom & pudder cleaned, examined & afterwards recoated.																			
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built																			



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45.25 ft., R.Q.D. ft., Bridge and ~~Fore~~ Forecastle 338.3 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Bridge and fore-castle combined.

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 Dks (Stl.)

Official No. ; Signal Letters

State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Cement and paint

Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular system

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>129.46</u>	<u>402</u>	Fore peak tank,		<u>145</u>
Double bottom, under Engines and Boilers,			After peak tank,		<u>51</u>
Double bottom, if under Engines only,	<u>24.29</u>	<u>104</u>	Deep tank, aft,		
Double bottom, if under Boilers only, <u>Dry Tank</u>	<u>24.29</u>	<u>693</u>	Deep tank, forward,		
Double bottom, forward,	<u>189.93</u>	<u>1202</u>	Other tanks, if fitted, <u>Large oil tanks as per plans.</u>		
Total capacity of double bottom		<u>267.97</u>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. Yes.

Order for Special Survey No. 2980

Date 20<sup>th</sup> March, 1919.

No. 345 in builder's yard.

DATES of Surveys held while building

1919. Apr. 22-24-29. May. 20-22. June 4-10-17-23-27. July 17-21-30. Aug. 8. Sept. 2-9-10-14-16. Oct. 7-9-14-18-22. Nov. 5-13-19-26-28. Dec. 19-23. 1920. Jan. 12-23-27. Feb. 5-17-20-25-26. Mar. 2-4-5-9-11-15-17-22-24-27-29-30. Apr. 3-5-6-7-8-10-14-15-19-21-22-23-26-27-28-29-30. May. 3-8-10-31. June 4-17-23-30. July 6-8-9.

Total No. of Visits 79.

Surveyor's Signature

Robert Howie

Lloyd's Register Foundation