

STEEL STEAMER.

Received at London Office 18 SEP 1964

State if Report is also sent on the Machinery of the Vessel

Date of completion of report

Survey held at

August 1924 Port of Dundee

Port of

Bundee

No

8491.

1924

On the (State if Single, Twin, or Triple Screw)

Single screw steamer "RYDAL FORCE"

Rig 4 Masted Schooner

TONNAGE under 745.16

CLASS 100 A.1.

FEET.

Master

Breadth (*greatest moulded*)..... 33.0

33.0

Year of appointment

(1) As Master in service of owner of present vessel:—19
(2) As Master of this vessel.....19

Built at *Oran*

When built 1924 Launched 2 July 1924

B¹¹ whom built *Caledon S.B. & Co. Ltd.*

Owners, *The West Coast Shipping Co. Ltd.*

Managers to S. Kennard & Co

Residence

Two boots.

Port belonging to *Whitehaven*

Register Tonnage 550.48

Destined Voyage *Liverpool*

If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on Deck as per Rule	Fect. 210	Inches. 0	BREADTH — Moulded	Fect. 33	Inches. —	DEPTH, ACTUAL —Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	Fect. 13 7	Inches. 4 7	No. of Decks with flat laid No. of Tiers of Beams	one one
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Dimensions of Ship per Register, Length 210.0 breadth 33.15 depth 13.1

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Or as	Inches per Rule Or as
FRAME, Angles, or E or L Bars amidships <i>R.Q.D.</i>	57 1/2	3	38	57 1/2	3	38
Do. in peaks <i>ANGLES</i>	5	3	38	5	3	38
Do. in way of Double Bottoms at Solid Floors	3	3	30	3	3	30
" " at intermdt. Bkts.	—	—	—	—	—	—
Spacing of Frames from centre to centre amidships	22 1/2			22 1/2		
" " " from 1/2 length to Collision bulkhead	22 1/2 - 18			22 1/2 - 18		
" " " <i>FORE</i> in peaks	—	—	—	—	—	—
USED FRAME, Angles	—	—	—	—	—	—
in way of Double Bottoms at Solid Floors	3	3	30	3	3	30
" " at intermdt. Bkts.	—	—	—	—	—	—
ING, depth of girder	—	—	—	—	—	—
RS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	—	—	—	—	—	—
in way of Engine and Boiler Spaces	51 3/4	40	51 3/4	40		
thickness at the ends of vessel	22	46	22	46		
depth at 1/2 the half breadth, as per Rule	—	—	—	—	—	—
height extended at the Bilges	straight	across				
RS in Cell. Double Bottoms	—	30	—	30		
state if flanged (top & bottom)	no					
Spacing of Solid floors	22 1/2			22 1/2		
RE GIRDER, in Dbl. bottom, dpth. & thknss.	32	40 3/4	32	40 3/4		
" Angles, Top	4 1/2	4 1/2	52	4 1/2	4 1/2	52
" " Bottom	4 1/2	4 1/2	52	4 1/2	4 1/2	52
" " to Floors	3	3	30	3	3	30
Brackets at intermdt. frmng., wdth & thknss	—	—	—	—	—	—
GIRDERS, number on each side & thickness	one	30	one	30		
" state if flanged (top and bottom)	no					
" Angles (top and bottom)	3	3	30	3	3	30
" " to Floors	2 1/2	2 1/2	30	2 1/2	2 1/2	30
IN PLATE, depth (exclusive of flange) and thickness	24	34	24	34		
" Angle to Outside Plating	3 1/2	3 1/2	34	3 1/2	3 1/2	34
" " Floors	3	3	30	3	3	30
Brackets at intermdt. frmng., wdth & thknss	—	—	—	—	—	—
Height of Outside Brackets above at bilge	8		8			
BOTTOM PLATING, breadth and thickness of Middle Line Strake	66	42 3/8	66	38 3/2		
" " in Engine and Boiler space	—	—	—	—	—	—
" " Remainder in Holds	—	34 3/2	—	34 3/2		
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40	5 1/2	3	40
In way of Long Bridge	—	—	—	—	—	—
Spacing	22 1/2			22 1/2		
Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6 1/2	3	36	6 1/2	3	36
Spacing	22 1/2			22 1/2		
Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel Angles on upper edge	—	—	—	—	—	—
Spacing	—	—	—	—	—	—
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Angles on upper edge	—	—	—	—	—	—
Spacing	—	—	—	—	—	—
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Angles on upper edge	5 1/2	3	44	5 1/2	3	44
Spacing	—	—	—	—	—	—
Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Angles on upper edge	7 1/2	3	42	7 1/2	3	42
Spacing	—	—	—	—	—	—

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches. per Rule. Or as	Inches. per Rule. Or as	Inches. per Rule. Or as
PILLARS In 'tween Deck, size and spacing	2 1/2	45	2 1/2	45	
" " Hold	8 x 3 1/2 x 3 1/2 x 50	as per	8 x 3 1/2 x 3 1/2 x 50	as per	
" " Quarter 'tween Dks.,	—	Profile	—	Profile	
" " in Hold	—	—	—	—	
KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Or as
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	28	40	28	40	
" Rider Plate	—	—	—	—	
" Flat Plate Keel Angles	4 1/2	4 1/2	52	4 1/2	4 1/2
" Horizontal Plates on Floors	12		38	12	38 3/4
" Angles or Bulb Angles	5 1/2	3	38	5 1/2	3
SIDE KEELSONS, Number IN BOILER SPACE	2		2		
" Angles or Bulb Angles	4 1/2	3	36	4 1/2	3
" Plate above floors, for length	—	—	—	—	—
" Intercostal Plate, for full length	—	—	34	—	34
" Attached to outside Plating with Angle	3	3	34	3	34
BILGE KEELSON, Angles	—	—	—	—	—
" Intercostal Plate for length	—	—	—	—	—
" Attached to outside Plating with Angle	—	—	—	—	—
SIDE STRINGERS, Number	—	—	—	—	—
" " Angle	—	—	—	—	—
" Intercostal Plate, for length	—	—	—	—	—
" Attached to outside plating with Angle	—	—	—	—	—
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	72	68 1/8	72	68 1/8	
" " " " br'dth & thickness (in way of Bridge)	72	48	72	48	
" " " Angle (clear of Bridge)	4 x 4 x	52	4 x 4 x	52	
" " Tie Plate at sides of Hatchways	—	—	—	—	
" Deck. * Iron or Steel, for full lng.	—	30	—	30	
" " Thickness (clear of Bridge)	—	30	—	30	
" " (in way of Bridge)	—	30	—	30	
" Wood Deck. Material & thickness	—	—	—	—	
Second Deck Stringer Plate, br'dth & thickness	69	58 3/4	69	58 3/4	
" Angles on ditto, No.	3 1/2 x 3 1/2 x	44	3 1/2 x 3 1/2 x	44	
" Tie Plates outside Hatchways	—	—	—	—	
" Deck. * Iron or Steel, for full lng.	—	30	—	30	
" Wood Deck. Material & thickness	—	—	—	—	
Third Deck Stringer Plate, br'dth & thickness	—	—	—	—	
" Angles on ditto, No.	—	—	—	—	
" Tie Plates, outside Hatchways	—	—	—	—	
" Deck. * Material and thickness	—	—	—	—	
Fourth and Fifth Deck Stringer Plate, breadth & thickness	—	—	—	—	
" " " Angles on ditto, No.	—	—	—	—	
" " " Tie Plates outside Hatchways	—	—	—	—	
" " " Deck. Material & thickness	—	—	—	—	
Poop Deck Stringer Plate, breadth & thickness	—	—	—	—	
" Angle on ditto	—	—	—	—	
" Tie Plates	—	—	—	—	
" Deck. Material and thickness	—	—	—	—	
Bridge Deck Stringer Plate, br'dth & thickness	35	28	35	28	
" Angle on ditto	3 x 3 x	28	3 x 3 x	28	
" Tie Plates	—	25	—	25	
" Deck. Material and thickness	5 x 2 1/2	—	5 x 2 1/2	—	
Forecastle Deck Stringer Plate, br'dth & th'kns	19	28	19	28	
" Angle on ditto	3 x 3 x	28	3 x 3 x	28	
" Tie Plates	3/8 x 25	—	3/8 x 25	—	
" Deck. Material and thickness	5 x 2 1/2	—	5 x 2 1/2	—	

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon

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WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing. WEB-FRAMES, In E. & B. Space, No. & spacing. WEB-FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

BULKHEADS. W.T. BULKHEADS AFTER PEAK. COLLISION PARTITION. LONGITUDINAL.

FORGINGS OR CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D. Main-Piece, diameter at head. at heel.

RUDDER, how constructed. Thickness of Plates or Single Plate. Can the Rudder be unshipped afloat?

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules?

Are the outside Plates doubled two spaces of Frames in length? Are the Sluice Valves and Watertight Doors in efficient working order?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. FLAT PLATE KEEL. GARBOARD OR A STRAKE. U.D. SHEER. P.O. --. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES.

RIVETING. EDGES. BUTTS. Rivets, state whether Iron or Steel.

Upper Deck Stringer Plate. Second Deck Stringer Plate. Butts of Side Stringers. Tie Plates. Inner Bottom Plating, riveting of Edges. Centre Girder Butts. Keelson Butts. Frames, riveted through Plates with. Rivets, state whether Iron or Steel.

FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. State if ordinary or joggled.

MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails.

Form No. 1A.

EQUIPMENT No. 1117			LETTER m			ANCHORS.			TONNAGE U. DK. OR PLATING No. FOR TRAWLERS		
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK	WEIGHT OF STOCK	TEST, PER CERTIFICATE	WEIGHT REQUIRED BY TABLE 31.	Description of Anchor.			Makers.	Where and when tested and Superintendent.	
27950	1st Bower	23 2 7		23 11 3 14	23 1 0	Roped Improved Shackle			Best given	L.P.H.-S. 19-3-24 J.H. Butler	
28057	2nd "	22 3 14		22 0 2 14	23 1 0	"			"	" 8-4-24 "	
27879	3rd "	20 3 0		21 8 0 14	20 1 0	"			"	" 21-2-24 "	
	4th "					"			"	"	
	Collective weight.	67 0 21			66 3 0	"			"	"	
57743	Stream	6 0 0	11 2 7 8 5 0 0	6 0 0	6 0 0	"			N. Bloomer & Sons	L.P.H.T. 1-8-23 W.A. Gysdale	
57925	Kedge	3 1 0	3 18 5 14 1 14	3 0 0	3 0 0	"			"	" 5-2-24 "	

Particulars of **Drop Test** of Cast Steel Anchors, viz. :—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 15' 32" Cut 10.8n. 5346 29-2-24.
2nd " 12' 625 " 10.8n. 5392 20-3-24.
3rd " 12' 679 " 10.8n. 5310 12-2-24.
4th "

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.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and size per Table 31.	
	Fathoms.	Ins.		Supplied.	Per Rule.						Fathoms.	Ins.		Fathoms.	Ins.
58474	210 3/4	1 7/16	37 3/8	55 3/4	226-0-17	222-1-17	210 1 7/8	Steel Link	N. Bloomer & Sons L.P.H.T. 31-1-24	TOWLINE	90	3 1/4	22	90	3 1/4
									W.A. Gysdale	HAWSERS & WARPS	90	6"		90	6"
										"	90	5"		90	5"
										"	2@90	2 1/4	9 1/2		
										"	2@90	2 1/2	12 1/2		

Boats 2 Life boats & 1 working boat

Pumps, Number 3

Windlass is Steam

Steering Gear, Steam

Diameter of Barrel 4 1/2

Good

Steering Gear, Hand

Good

Capstan Steam

Engine Room Skylights.—How constructed? Lead

What arrangements for deadlights in bad weather? Hinged flaps. Glass bulldog eyes

Coal Bunker Openings.—How constructed? Steel plate & angles

How are lids secured? Hatches battened down

Number of **Scuppers**, and numbers and dimensions of **Freeing Ports, &c.** 10 Scuppers & 2 Freeing ports 3' 7" x 1' 7"; R.Q.D. 5 Scuppers & 3 Freeing Ports 2' 9" x 1' 6" each side

Ceiling in Holds, thickness and material 2 1/2" white wood

Cargo Battens, thickness and material 6" x 2" white wood

Cargo Hatchways.—How formed? Steel plate & angles

Hatches, If strong and efficient? Yes

State size **No. 1 Hatch** (Forward) 30' 0" x 21' 0" **No. 2 Hatch** 45' 0" x 21' 0" **No. 3 Hatch** —

No. 4 Hatch —

Number of **Web Plates, Shifting Beams** and **Fore and Afters** to each Hatch No. 1 — 5 web plates. No. 2 — 9 web plates

No. of Breasthooks Two

No. of Crutches dup floors

Bulwarks, height above deck and description 14' 4 1/2" x 25 plate R.Q.D. 39' x 25 plate

Main Rail, material and size 7 x 3 x 40 B.A.

The foregoing is a correct description.

Surveyor's Signature J. Selles

Surveyor to Lloyd's Register of Shipping.

Builder's Signature (here only) David Jones

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) 15-11-23 22-11-23 24-11-23 10-12-23 20-12-23 24-12-23 28-8-24

Workmanship. Are the butts of plating planed or otherwise fitted? Planed

Is the riveted work properly closed? Yes

Are the liners between the frames and plates solid single pieces? No lines

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 faying surfaces? Yes

Do any rivets break into or through the seams or butts of the plating? 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 Good

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes

State results of tests Good

General Remarks (State quality of workmanship, &c.)

This vessel has been built under special survey and in accordance with the approved plans, the letters quoted above, and in conformity with the Rules.

The materials and workmanship are sound & good.

The approved plans (Midship section, Profile & decks, Fore and aft stiffening, Rudder & stern frame. Masts & Pumping arrangements) are forwarded herewith.

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.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 2-9-1924

Special Survey Fee.... £ 110 : 2 : 0 Received by me, J. Selles

Travelling Expenses, if any £ 75 : - : -

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class without freeboard

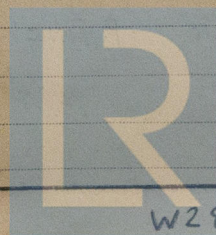
Surveyor to Lloyd's Register of Shipping.

Committee's Minute 125. 9 SEP 1924

Character assigned

10001
Lloyd's a & b O

+ L.M.B. 8.24
C.L.



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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 128.5 ft., Bridge 13-0 ft., Forecastle 29.6 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated —

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 should appear in the Register Book) 1 BK. etc.
Official No. 134946; Signal Letters — State if Machinery is fitted aft machy aft. Paint
How are the surfaces preserved from oxidation? Inside Paint + Cement. Outside Paint.

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

Where Fitted.	Length.		Where Fitted.	Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	—	—	Fore peak tank,	23.0	102
Double bottom, under Engines and Boilers,	—	—	After peak tank,	16.5	54
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	131	248	Other tanks, if fitted,	—	—
Total capacity of double bottom	248		(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. 936.

Date 12. 11 - 1923

No. 291 in builder's yard.

DATES of Surveys held while building

1923 DEC. 18. 24.

1924 JAN. 4. 15. 23. 29. FEB. 1. 5. 11. 14. 19. 25. 27. MAR. 4. 11. 14. 18. 20. 25. 27. APR. 1. 3. 4. 11. 15. 18. 23. 24.

MAY 2. 5. 9. 13. 15. 20. 22. 24. 30. JUN. 3. 5. 9. 16. 19. 25. 27. JUL. 1. 2. 8. 9. 15. 22. AUG. 5. 8. 12. 18. 20.

22. 25. 26. 27. 28.

Total No. of Visits 61.

Surveyor's Signature



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