

With or Without Disconnected Erections.

STEEL STEAMER.

MON. - 1. NOV. 1915

Received at London Office

Date of completion of report
Survey held at

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

Yes

29. 10. 15

Port of Hull

Date, First Survey

26. 1. 15

Last Survey

No. 28911

12-10-1915

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

TRAWLER "GRAND DUKE"

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of Access of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Navigation Spaces

Master Tonnage

cut on Beam

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of

upper deck beams at side

Transverse Number

Length on deck from fore part of stem to after part of

stern post

Longitudinal Number

Depth "d," at middle of length (See Secs. 2 & 13)

Proportions—Depths to Length—Upper Deck Beam at

side to top of keel

" " Long Bridge Deck

" " Beam at side to top of keel

Destined Voyage Fishing

If Surveyed while Building, Afloat, or in Dry Dock

Yes

Master

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

(1) As Master in service of

owner of present vessel—191

(2) As Master of this

vessel 191

Selby

1915

Cochrane & Sons Ltd

Frank Barrett Esq.

Grimsby

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Length on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
as per Rule	140	0	Moulded	24	0	Top of Floors to top of Upper Dk. Beams	12	10 1/2	one	one
						Do. do. do. do. Second Dk. Beams				

Moulded depth, ft.	ins.	To Bridge Dk.	Round of Upper	8 1/2	ins.
Moulded depth, ft.	13	ins.	To Upper Dk.	Dk. Beam, Actual	

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
RAME, Angles, E Bars amidships	4 1/2	3	4	4 1/2	3	4	PILLARS, In 'tween Deck, size and spacing	2 1/8	2 3/4	2 5/8	2 3/4	2 5/8
Do. in peaks	4 1/2	3	4	4 1/2	3	4	" " Hold	2 5/8	2 3/4	2 5/8	2 3/4	2 5/8
Do. in way of Double Bottoms at Solid Floors							" " Quarter 'tween Dks.,	2 5/8	2 3/4	2 5/8	2 3/4	2 5/8
" " " at intermdt. Bkts.							" " in Hold	2 5/8	2 3/4	2 5/8	2 3/4	2 5/8
Spacing of Frames from centre to centre amidships	20	21					KEELSONS & STRINGERS.					
" " " from 1/2	20	21					CENTRE LINE KEELSON, Vertical Plate above	8 1/2	8 1/6	8 1/2	8 1/6	
" " " length to Collision bulkhead	20	21					" " Rider Plate					
" " " in peaks	20	21					" " Flat Plate Keel Angles					
REVERSED FRAME, Angles	20	21					" " Horizontal Plates on Floors	5	3	8 1/6	5	3
Do. in way of Double Bottoms at Solid Floors							" " Angles or Bulb Angles	5	3	8 1/6	5	3
" " " at intermdt. Bkts.							SIDE KEELSONS, Number					
FRAMING, depth of girder	16	16	16	16	16	16	" " Angles or Bulb Angles					
FLOORS, depth and thickness of Floor Plate	16	16	16	16	16	16	" " Plate above floors, for length					
" " at mid-line for 1/2 length amidships	16	16	16	16	16	16	" " Intercoastal, for length					
" " in way of Engine and Boiler Spaces	16	16	16	16	16	16	" " Attached to outside Plating with Angle	5	4	50	5	4
" " thickness at the ends of vessel	16	16	16	16	16	16	BILGE KEELSON, Angles	5	4	50	5	4
" " depth at 1/2 the half breadth, as per Rule	16	16	16	16	16	16	" " Intercoastal Plate for length	5	4	50	5	4
" " height extended at the Bilges	16	16	16	16	16	16	" " Attached to outside Plating with Angle	5	4	50	5	4
FLOORS in Cell. Double Bottoms							SIDE STRINGERS, Number	one				
" " state if flanged (top & bottom)							" " Angle	5	4	50	5	4
" " Spacing of Solid floors							" " Intercoastal Plate, for length	5	4	50	5	4
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.							" " Attached to outside plating with Angle	5	4	50	5	4
" " Angles, Top							Upper Deck Stringer Plate, br'dth & thickness	50-30	5 1/6	50-30	5 1/6	
" " Bottom							" " (clear of Bridge)					
" " to Floors							" " br'dth & thickness					
" " Brackets at intermdt. frmg., wdth & thknss							" " (in way of Bridge)					
SIDE GIRDERS, number on each side & thickness							" " Angle (clear of Bridge)	3 x 3	1 3/8	3 x 3	1 3/8	
" " state if flanged (top and bottom)							" " Tie Plate at sides of Hatchways	8	1 3/8	8	1 3/8	
" " Angles (top and bottom)							" " Deck * Iron or Steel for E x B lng.	5 1/6	5 1/6	5 1/6	5 1/6	
" " to Floors							" " Thickness (clear of Bridge)	50	50	50	50	
MARGIN PLATE, depth (exclusive of flange)							" " (in way of Bridge)					
" " and thickness							" " Wood Deck. Material & thickness	5 x 3	5 x 3	5 x 3	5 x 3	
" " Angle to Outside Plating							Second Deck Stringer Plate, br'dth & thickness					
" " Floors							" " Angles on ditto, No.					
" " Brackets at intermdt. frmg., wdth & thknss							" " Tie Plates outside Hatchways					
" " Height of Outside Brackets above at bilge							" " Deck * Iron or Steel, for lng.					
INNER BOTTOM PLATING, breadth and							" " Wood Deck. Material & thickness					
" " thickness of Middle Line Strake							Third Deck Stringer Plate, br'dth & thickness					
" " in Engine and Boiler space							" " Angles on ditto, No.					
" " Remainder in Holds							" " Tie Plates, outside Hatchways					
BEAMS, Upper Deck, Single Angle, Bulb	6	3	45	6	3	45	" " Deck * Material and thickness					
" " Angle, Plate, Tee Bulb, or Channel							Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" " In way of Long Bridge							" " Angles on ditto, No.					
" " Spacing							" " Tie Plates outside Hatchways					
BEAMS, Second Deck, Single Angle, Bulb							" " Deck. Material & thickness					
" " Angle, Plate, Tee Bulb, or Channel							Poop Deck Stringer Plate, breadth & thickness					
" " Spacing							" " Angle on ditto					
BEAMS, Third and Fourth Deck, Single Angle							" " Tie Plates					
" " Bulb Angle, Plate, Tee Bulb, or Channel							" " Deck. Material and thickness					
" " Angles on upper edge							Bridge Deck Stringer Plate, br'dth & thickness					
" " Spacing							" " Angle on ditto					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate							" " Tie Plates					
" " Tee Bulb, or Channel							" " Deck. Material and thickness					
" " Angles on upper edge							Forecastle Deck Stringer Plate, br'dth & th'kns					
" " Spacing							" " Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate							" " Tie Plates					
" " Tee Bulb, or Channel							" " Deck. Material and thickness					
" " Angles on upper edge												
" " Spacing												
BEAMS, Forecastle Deck, Angle, Bulb Angle												
" " Plate, Tee Bulb, or Channel												
" " Angles on upper edge												
" " Spacing												

Form No. 1A.—1m, 7, 14, T.

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

009621-009630-0178 1/2

[illegible]

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.	cwts.	qrs.	lbs.				
19805	1st Bower	8	22	Stockless	10	12	2	0	8	0	0		Atlas	Not stated	Cradley Heath 30.6.15
19807	2nd "	7	2	10	0	0		9	15	3	21	7	1	0	0° 0° 30.6.15
H4742	3rd "	3	1	0	0	3	7	5	14	1	14	3	1	0	Tipton 9.7.15
	4th "														S.C. Paul, and C.E. Harris Sup.
	Collective weight.	19	1	4								18	2	0	
	Stream														
	Kedge.....														

CHAIN CABLES.										HAWSELS 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	Length and Size supplied.		Breaking Test of Steel Wire Towing.		Length and Size per Table 31.					
Fathoms.	Inches.	Tons.	Cwts.	qrs.	lbs.	Supplied.	Per Rule.	Fathoms.	Inches.					Fathoms.	Inches.	Tons.	Fathoms.	Inches.					
H6314	120	3	18	22	7	12	78	1	9	17	2	21	120	18	Shaw J. Green	Tipton 9.7.15	C.E. Harris Sup.	TOWLINE	60	6	6	60	6
																		HAWSELS & WARPS	60	5	0	60	5

Boats *Two* Steering Gear, Steam ✓ Steering Gear, Hand *Overboard*

Pumps, Number *4* Diameter of Barrel *6"* State whether they are in efficient working order *Yes*

Windlass is *Swan, Summell & Brown* Capstan ✓

Engine Room Skylights.—How constructed? *Steel plate & angles* What arrangements for deadlights in bad weather? *Slaps & Bullseyes*

Coal Bunker Openings.—How constructed? *Cash Iron* How are lids secured? *Fitted* Height above deck? *Flush*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *6 Scuppers, 3 Freeing ports 18"x9" & One 21"x10"*

Ceiling in Holds, thickness and material *2 1/2 pine* Cargo Battens, thickness and material *close ceiled*

Cargo Hatchways.—How formed? *Scuttles* Hatches, If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) ✓ No. 2 Hatch ✓ No. 3 Hatch ✓ No. 4 Hatch ✓

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *none*

Bulwarks, height above deck and description *4'-1" steel* No. of Breasthooks *3* No. of Crutches *Deep floors*

The foregoing is a correct description *R COCHRANE & SONS LTD.* Main Rail material and size *6 1/2 x 3 x 40 R.R.*

Builder's Signature (here only) *J.H. Cochrane* Surveyor's Signature *Matthew Blackwood* Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) *Secretary letters M. 5.1.15, E. 23.3.15*

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? *Yes* 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? *a 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)? ✓ State results of tests *Trawlers*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? ✓ State results of tests *Trawlers*

General Remarks (State quality of workmanship, &c.) *This vessel has been built under Special Survey in accordance with the approved plans enclosed herewith. The Secretary's letter referred to, and in general conformity with the Rules. The materials and workmanship are sound and good.*

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 £ <i>2</i> : 0 : 0	Fees applied for,	Certificate to be sent to <i>Hull</i> Date of issue <i>2/11/15</i>
Special Survey Fee £ <i>16</i> : 7 : 0	Received by me. <i>MR.</i>	
Travelling Expenses, if any £ : <i>12</i> : 9	<i>27/10 1915</i>	

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *CLASS A, STEAM TRAWLER* *Matthew Blackwood*

With, or without Freeboard, as condition of Class *Without Freeboard.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *10 NOV - 2.1915*

Character assigned *Good*

Lt Col. G.B.P. + Lmb. 10.15

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 78 ft., Bridge ✓ ft., Forecastle 21
(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 D⁵

Official No. ; Signal Letters State if Machinery is fitted aft Mach aft.
How are the surfaces preserved from oxidation? Inside Cement & Paint Outside Paint.

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
	Total capacity of double bottom				

* 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.

Order for Special Survey No. 2116

Date

No.

31/12/14
642 in builder's yard.

Dates of Surveys
held while building

1915: - Jan 26. Feb 22. 26. Mar 3. 9. 15. 17. 30 Apr 9. 16. 27. May 11.
Jun 14. 25. 29. Jul 14. 16. 27 Aug 6. 12. Sep 9. 24 Oct. 7. 11. 12

Total No. of Visits

26

Surveyor's Signature

Matthew Blackwood