

No. 20,222

FBI 26 JUN 1966
London Office

State if Report is also sent on the Machinery of the Vessel. Lon No. 70583

Received at London Office

Date of completion of Report 25th June 1908.

Port of Hull

Date, First Survey

Last Survey

June 10th 1908

Rig Ketch

Survey held at New Holland.

On the Blue "Gazelle."

Master ✓

Year of appointment

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

Built at New Holland

When built 1908 Launched 2nd April

By whom built W. H. Warren

Owners. Thomas Milward.

Managers
(Where necessary to be entered in Reg. Book.)

Residence Quansa.

Port belonging to Swansea

Building, Afloat, ~~or~~ ^{and} in Dry Dock Yes

TONNAGE under }	39.10
Tonnage Deck .. }	
Do. of Poop	
Do. of Raised Qr. }	
Dk. or Break. .. }	
Do. of Bridge House	
Do. of Forecastle	
Do. of Houses on Deck	
Do. of excess of Hatchways	
Do. above Crown of }	
Engine Room .. }	
Gross Tonnage	39-10
Less Crew Space	8-66
Less above Crown of }	
Engine Room .. }	
TONNAGE for FEES ..	30.34
Less Engine Room	31.89
Less Navigation Spaces	3.00

ONE ~~OR TWO~~ DECKED VESSEL

CLASS A. "For Towing Purposes."

Half Breadth (*moulded*) 4.00

Depth from upper part of Keel to top of Main Deck Bms. 8.33
(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) 13.00

1st Number 28.33

Length on deck from after part of stem to fore part of stern post } 60-00

2nd Number 1699

Proportions—*Breadths to Length* 4.25

Depths to Length—Main Deck to top of Keel..... 4.2

Destined Voyage Quanaa If Surveyed while

LENGTH on Deck as per Rule.....	Feet. 60	Inches. 0	BREADTH— Moulded	Feet. 14	Inches. 0	DEPTH, ACTUAL— Top of Floors to top of Main Deck Beams	Feet. 4	Inches. 6 1/2	No. of Decks with Flat laid One No. of Tiers of Beams One
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Dimensions of Ship per Register, Length, 60-0 breadth, 14.2 depth, 9.53 . Moulded Depth, 6 ft. 0 ins. Round of Beam, Actual 4½ ins.

FRAMING

DESCRIPTION	3 1/2	3	7	3 1/2	3	7
FRAME , Angles, $7\frac{1}{2}$ or $8\frac{1}{2}$ Bars, for $\frac{3}{8}$ length amidships	3 1/2	3	7	3 1/2	3	7
Do. for $\frac{1}{2}$ at each end						
Do. in way of Double Bottoms at Solid Floors						
" " at intermdt. Bkts.						
Spacing of Frames from centre to centre		20			20	
REVERSED FRAME , Angles	2 1/2	2 1/2	7	2 1/2	2 1/2	7
DEEP FRAMING , depth of girder		2 1/2			3 1/2	
FLOORS , depth and thickness of Floor Plate at mid-line for $\frac{3}{8}$ length amidships	10		7	10		7
" in way of Engines and Boilers			7			7
" thickness at the ends of vessel			7			7
" depth at $\frac{3}{4}$ the half breadth, as per Rule	Straight			across		
" height extended at the Bilges	Plan			plan		
FLOORS & BRACKETS , in Cell Dble Bottoms						
" " state if flanged (top & bottom)						
" " Spacing						
CENTRE GIRDER , in Double Bottom, depth and thickness						
" " Angles, Top						
" " Bottom						
SIDE GIRDERS , number on each side & thickness state if flanged (top & bottom)						
" " Angles						
MARGIN PLATE , depth (exclusive of flange) and thickness						
" Angles to Outside Plating						
" " Floors						
" Height of Floors at the Bilges						
INNER BOTTOM PLATING , breadth and thickness of Middle Line Strake						
" " thickness in Engine and Boiler space						
" " Remainder in Holds						
BEAMS , Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4	3	7	4	3	7
" Angles on Upper Edge						
" Spacing		40			40	
BEAMS , Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
BEAMS , Hold, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
BEAMS , Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
BEAMS , Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
BEAMS , Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
PILLARS , In 'tween Decks, Size and Spacing						
" " Hold	2 1/2	As arranged				
" " Quarter, 'tween Dks., " "						
" " in Hold						
WEB FRAMES , In Fore Body, No. and Spacing						
" " Brdth. & Thickness						
" No. of Side Stringers						
WEB FRAMES , In E. & B. Space, No. & Spacing						
" " Brdth. & Thickness						
WEB FRAMES , In After Body, No. and Spacing						
" " Brdth. & Thickness						
" No. of Side Stringers						
" Size of Angles or Tee Bars to Web Frames						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS ~~AND CASTINGS.~~

KEEL, Bar or Side Plates depth and thickness	$6 \times 1\frac{1}{8}$ ✓	$6 \times 1\frac{1}{8}$
STEM , moulding and thickness	$6 \times 1\frac{1}{8}$	$6 \times 1\frac{1}{8}$
STERN-POST for Rudder do. do.	$5\frac{1}{2} \times 2\frac{1}{2}$ ✓	$5\frac{1}{2} \times 2\frac{1}{2}$
„ for Propeller		
MAIN PIECE of Rudder, diameter at head	$2\frac{1}{4}$ ✓	$2\frac{1}{4}$
do. at heel	$2\frac{1}{4}$ ✓	$2\frac{1}{4}$

KEELSONS AND STRINGERS.

		Or as	Approved.
CENTRE LINE KEELSON, Vertical Plate above			
	floors, Through Plate, or Intercostal Plate }	✓	
"	Rider Plate.....	✓	
"	Bulb Plate to Intercostal Keelson.....	✓	
"	Horizontal Plates on Floors.....	✓	
"	Angles.....	4	3 7 4 3 7
SIDE KEELSON, Angles.....		✓	
"	Bulb or Plate above floors for Ing.	✓	
"	Intercostal Plate for..... length	✓	
"	Attached to outside plating with Angle..	✓	
BILGE KEELSON, Angles ... (Onm.).....		4	3 7 4 3 7
"	Bulb or Plate above floors for Ing.	✓	
"	Intercostal Plate for length	✓	
"	Attached to outside plating with Angle..	✓	
BILGE STRINGER Angles		✓	
"	Bulb Plate for length	✓	
"	Intercostal Plate for length	✓	
"	Attached to outside plating with Angle	✓	
SIDE STRINGER Angles ... (Onm.).....		4	3 7 4 3 7
"	Bulb or Intercostal Plate for Ing.	✓	
"	Attached to outside plating with Angle	✓	

Main and Raised Quarter Deck Stringer	20	6	20	6
Plate, breadth and thickness	2 1/2 x 2 1/2	6	2 1/2 x 2 1/2	6
„ Angle on ditto	5	5	5	5
„ Tie Plates, outside Hatchways	✓	✓	✓	✓
„ Diagonal Tie Plates on Bms., No. of Pairs	✓	✓	✓	✓
„ Main Dk* Iron or Steel ^{Machinery} for space lng.	✓	5	✓	5
„ R. Q. Dk* Iron or Steel for space lng.	✓	✓	✓	✓
„ Wood Deck, Material & thickness <i>R.P.M.</i>	2 1/2	✓	2 1/2	✓
Lower Deck Stringer Plate, breadth and	✓			
thickness	✓			
„ Angles on ditto, No.	✓			
„ Tie Plates, outside Hatchways	✓			
„ Deck* Material and thickness	✓			
Hold Stringer Plate	✓			
„ Angles on ditto, No.	✓			
Poop Deck Stringer Plate, breadth & thickness	✓			
„ Angle on ditto	✓			
„ Tie Plates	✓			
„ Deck, Material and thickness	✓			
Bridge or Pt. Awning Deck Stringer Plate, }	✓			
breadth and thickness	✓			
„ Angle on ditto	✓			
„ Tie Plates	✓			
„ Deck, Material and thickness	✓			
Forecastle Deck Stringer Plate, brdth & thickness	✓			
„ Angle on ditto	✓			
„ Tie Plates	✓			
„ Deck, Material and thickness	✓			

BULKHEADS

	Vessel.	Rate.	Thickness 30ths.	Size, Inches.	Spacing, Inches.	Size, Inches.	Spacing, Inches.	
W.T. BULKHEADS	4	4	5	2 1/2 x 2 1/4 x 7/32	30	30	46	Dble Dh
PARTITION "	✓							
LONGITUDINAL,,	✓							
Are the outside Plates doubled two spaces of Frames in length? Diamond plate								
Are the Sluice Valves and Watertight Doors in efficient working order? None								

W1450-0114 1

PLATING.

STRAKES.	AS IN SHIP.			PER RULE OR AS APPROVED.	SHEER EDGES.			RIVETING.			BUTTS.		
	AMIDSHIP.	FORWARD.	AFT.		Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what Length.	RIVETS.	STRAPS.	IF LAPPED.		
												Breadth.	Thickness.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	30	7	7	30	7	Single	2 1/4	5/8	2 1/2	8	8	4 1/4	
GARBOARD OR A STRAKE	30	7	7	30	7	Double	3 3/4	"	"	8	8	"	
B "		5	5		5	"	"	"	"	"	"	"	
C "		5	5		5	"	"	"	"	"	"	"	
D "		5	5		5	"	"	"	"	"	"	"	
E "	30	7	7	30	7	"	"	"	"	"	"	"	
F "						"	"	"	"	"	"	"	
G "						"	"	"	"	"	"	"	
H "						"	"	"	"	"	"	"	
I "						"	"	"	"	"	"	"	
J "						"	"	"	"	"	"	"	
K "						"	"	"	"	"	"	"	
L "						"	"	"	"	"	"	"	
M "						"	"	"	"	"	"	"	
N "						"	"	"	"	"	"	"	
O "						"	"	"	"	"	"	"	
P "						"	"	"	"	"	"	"	
DOUBLING OF Flat Plate Keel	✓												
Length and thickness of Bilges	✓												
Length and thickness of Sheerstrakes	✓												
Length and thickness of Strake below	✓												
POOP SIDES	✓												
RAISED QUARTER DECK SIDES	✓												
BRIDGE SIDES	✓												
FORECASTLE SIDES	✓												
LENGTHS OF PLATING	Seven frame spaces.												

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, outside Plating, &c. *Mild Steel*
Consitt, Birmingham, Phoenix (Germany)

Has the Steel been tested as required by the Rules *Yes*.

FRAMES extend in one length from *Keel* to *gunwale* state if ordinary or joggled *Ordinary*.
REVERSED FRAMES on floors and frames extend *from across top of floor, (single angle frame)* state if ordinary or joggled *Ordinary*.

MASTS, SPARS, &c.

LOWER MASTS...	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
Fore	P.Pine	31.0	9							
Main										
Mizen										

Bowsprit *✓*
 Topmasts, *Yards* and Remainder of Spars *Pitch Pine*.
 Rigging, Material and Size, Shrouds *Calcutta wire 1 1/2*.
 Sails, *None* Suit of Sails and the following spare sails *✓* *Stays 12 1/4*

Equipment No. *Figure not required*. 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 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.			
3954	1st Bower	3	0	4	3	0	5	10	0	0	Ordinary	Connop Bros. L.P.H.C.H. 27.4.05. Dudley
3955	2nd "	1	3	8	1	16	4	7	0	21		
	3rd "											
	Collective weight											
	Stream											
	Kedge											

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	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 22.
			Supplied.	Per Table 22.								
4649	30 1/2	4 1/2	4 1/2	4 1/2	4 1/2	Shot Sunk	Connop Bros.	L.P.H.C.H. 11.5.05.	TOWLINE	✓		
									HAWERS & WARPS	✓		

HAWERS AND WARPS.

Boats *One*
 Pumps, Number *Two* Diameter of Barrel *4"* State whether they are in efficient working order *Yes*.
 Windlass is by *A. Audron & Co.* Capstan *✓*
 Engine Room Skylights.—How constructed? *Plates and angles.*
 What arrangements for deadlights in bad weather? *Steel flaps and bullseyes.*
 Coal Bunker Openings.—How constructed? *Cast iron rings* How are lids secured? *Secured.* Height above deck? *Flush.*
 Number of Scuppers, and number and dimensions of Freeing Ports, &c. On each side, *3 Scuppers. 3 Freeing Ports 14" x 9"*
 Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness and material *✓*
 Cargo Hatchways.—How formed? *✓* Hatches.—If strong and efficient? *✓*
 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 *✓*
 No. of Breasthooks *Five* No. of Crutches *Two + dep. floors*
 Bulwarks, height above deck and description *2' 6" x 5 1/2"* Main Rail and Stays, material and size *5 x 2 1/2 x 5/16 Steel B.P.*
 The above is a correct description.
 Builder's Signature (here only) *W. A. Warrey* Surveyor's Signature *Allison B. Wilson*
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case.)
 (M.) 19.7.07. 2.10.07. 13.4.08 (E) 16.10.07. 23.10.07. 30.10.07. 20.2.08.

Workmanship. Are the butts of plating planed or otherwise fitted? *Otherwise fitted.*
 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. 23, par 24)? *Yes* State results of tests *Satisfactory*
 Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? *Yes* State results of tests *Satisfactory*
 General Remarks (State quality of workmanship, &c.) *Workmanship good.*
This vessel has been built in accordance with the approved plans. The Secretary's letters of the above date, and in general conformity to the Rules for the class contemplated.
 Accompanying this Report, — Plans of Midship Section, Pumping Arrangements.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *✓* ft., Forecastle *✓* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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 it should appear in the Register Book) *1 Dk.*
 Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *No.*
 How are the surfaces preserved from oxidation? Inside *Portland 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 *✓*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, under Engines and Boilers, <i>✓</i>	After peak tank, <i>✓</i>				
Double bottom, if under Engines only, <i>✓</i>	Deep tank, aft, <i>✓</i>				
Double bottom, if under Boilers only, <i>✓</i>	Deep tank, forward <i>✓</i>				
Double bottom, forward, <i>✓</i>	Other tanks, if fitted, <i>✓</i>				

Total capacity of double bottom *✓* (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 *✓*

Order for Special Survey No. *1716* Date *1/10/07*
 No. *63* in builder's yard
 DATES OF SURVEYS held while building
 1907: Nov 7. 26. Dec 3. 11. 21. 1908: Jan 13. 29. Feb 4. 12. 19. 26. Mar 4. 18. 21. 25. Mar 28. 31. Apr 4. 13. 21. 28. May 4. 14. 16. 20. Jun 2. 10.

The amount of Entry Fee *1 : 00* Fees applied for, *24.6.1908*
 Special *7 : 00* Received by me, *15/8/08*
 Travelling Expenses, if any £ *14.7*
 State whether the Vessel has been built under Special Survey *Yes.*
 I am of opinion this Vessel should be Classed *A. For Towing Purposes.* Allison B. Wilson.
 With, or without Freeboard, as condition of Class *Without.* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
 Character assigned *A— for towing purposes*
 TUES. 30 JUN 1907
 + £ 266.08
 Rpt. 1A.