

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 *23. 9. 19.*

Port of *Aberdeen*

No. *12280.*

Survey held at *Aberdeen*

Date, First Survey *13. 1. 19.*

Last Survey *29. 8. 1919.*

On the (State if Single, Twin, or Triple Screw) *Single sc. "BEN HEILEM"*

Rig *Ketch*

TONNAGE under *221.05*

CLASS *100.A1*

FEET.

Master *William Bowling*

Year of appointment *(1) Master in service of owner of present vessel: 1914 (2) As Master of this vessel: August 1919*

Tonnage Deck... *221.05*

Breadth (greatest moulded) *22.0*

Do. between Tonnage Dk. and 3rd and 4th Dk. *221.05*

Depth, at middle of length from top of keel to top of upper deck beams at side *13.25*

Total under Upper Dk. *221.05*

Transverse Number *35.25*

Do. of Poop *3.04*

Length on deck from fore part of stem to after part of stern post *122.0*

Do. of R.Q.Dk. *224.09*

Longitudinal Number *4300.50*

Do. of Bridge House *224.09*

Depth "d," at middle of length (See Secs. 2 & 13) *11.92*

Do. of Forecastle *119.64*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *9.2*

Do. of Hatchways *6.50*

Do. of Room *Long Bridge Deck Beam at side to top of keel*

Do. of Forecastle *94.92*

Destined Voyage *Fishing*

Built at *Aberdeen*

When built *1919* Launched *8. July 1919.*

By whom built *Ball Russell & Co. Ltd.*

Owners *R. Irvin & Sons Ltd.*

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

Residence *Aberdeen*

Port belonging to *Aberdeen*

If Surveyed while Building, Afloat, or in Dry Dock *First Entry*

on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
rule	122	0	Moulded	32	0	Do do do	do do do	13	4 1/2	one.

of Ship per Register, Length <i>122.2</i> breadth <i>22.2</i> depth <i>12.25</i>	Moulded depth, ft. <i>13</i> ins. <i>3</i>	To Bridge Dk. Round of Upper Dk. Beam, Actual <i>5 1/2</i> ins.
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FRAMING.							PILLARS.						
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule	Inches per Rule		Inches in Ship.	Inches Spacing in Ship.	Inches per Rule Or as	Inches per Rule Approved.		
Angles, or E or L Bars amidships	4	3	.38	4	3	.38	PILLARS In 'tween Deck, size and spacing	2 1/2 where practicable	2 1/2 where practicable				
Peaks	4	2 1/2	.34	4	2 1/2	.34	" " Hold						
TANK	4	3	.36	4	3	.36	" Quarter 'tween Dks.						
Way of Double Bottoms at Solid Floors							" " in Hold						
" " at intermdt. Bkts.													
Frames from centre to centre amidships	2 1/2				2 1/2		KEELSONS & STRINGERS.						
" " " from 1/2 length to Collision bulkhead	2 1/2				2 1/2		CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercostal Plate						
" " " in peaks	2 1/2				2 1/2		" Rider Plate						
ED FRAME, Angles, N.E.R. SINGLE	4	3	.36	4	3	.36	" Flat Plate Keel Angles						
Way of Double Bottoms at Solid Floors							" Horizontal Plates on Floors						
" " at intermdt. Bkts.							" Angles or Bulb Angles CHANNELED	12	3 1/2	.50	12	3 1/2	.50
G, depth of girder	4				4		SIDE KEELSONS, Number						
depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16	.38			16	.38	" Angles or Bulb Angles						
Way of Engine and Boiler Spaces		.42				.42	" Plate above floors, for length						
Thickness at the ends of vessel		.32				.32	" Intercostal Plate, for length						
Depth at 1/2 the half breadth, as per Rule	Straight across as per plan of midship section.						" Attached to outside Plating with Angle						
Height extended at the Bilges							BILGE KEELSON, Angles SINGLE	5	4	.44	5	4	.44
in Cell Double Bottoms							" Intercostal Plate for length						
state if flanged (top & bottom)							" Attached to outside Plating with Angle						
Spacing of Solid floors							SIDE STRINGERS, Number ONE						
GIRDER, in Dbl. bottom, dpth. & thkns.							" " Angle SINGLE	5	4	.38	5	4	.38
" Angles, Top							" Intercostal Plate, for length						
" " Bottom							" Attached to outside plating with Angle						
" " to Floors													
Brackets at intermdt. frmg., wdth & thkns							Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	2 1/4-14	.28	2 1/4-14	.28		
ORDERS, number on each side & thickness							" " " " br'dth & thickness (in way of Bridge)						
" state if flanged (top and bottom)							" " " " Angle (clear of Bridge)	3 x 3	.32	3 x 3	.32		
" Angles (top and bottom)							" " " " Tie Plate at sides of Hatchways	4	.28	4	.28		
" " to Floors							" Deck * Iron or Steel, for lng.		.30		.30		
PLATE, depth (exclusive of flange) and thickness							" " " " Thickness (clear of Bridge)						
" Angle to Outside Plating							" " " " (in way of Bridge)						
" " Floors							" Wood Deck, Material & thickness	pitchpine	5 x 5	pitchpine	5 x 5		
Brackets at intermdt. frmg., wdth & thkns							Second Deck Stringer Plate, br'dth & thickness						
Height of Outside Brackets above at bilge							" Angles on ditto, No.						
BOTTOM PLATING, breadth and thickness of Middle Line Strake							" Tie Plates outside Hatchways						
" " in Engine and Boiler space							" Deck * Iron or Steel, for lng.						
" " Remainder in Holds							" Wood Deck, Material & thickness						
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5	3	.44	5	3	.44	Third Deck Stringer Plate, br'dth & thickness						
In way of Long Bridge	5	3	.40	5	3	.40	" Angles on ditto, No.						
Spacing	4 1/2				4 1/2		" Tie Plates, outside Hatchways						
Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" Deck * Material and thickness						
Spacing							Fourth and Fifth Deck Stringer Plate, breadth & thickness						
Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" " " Angles on ditto, No.						
Angles on upper edge							" " " Tie Plates outside Hatchways						
Spacing							" " " Deck, Material & thickness						
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							Poop Deck Stringer Plate, breadth & thickness						
Angles on upper edge							" Angle on ditto						
Spacing							" Tie Plates						
BEAMS, Bridge Deck, Angle, 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, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" Tie Plates						
" Angles on upper edge							" Deck, Material and thickness						
Spacing							Forecastle Deck Stringer Plate, br'dth & th'kns						
							" Angle on ditto						
							" Tie Plates						
							" Deck, Material and thickness						

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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 *if* 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 paint* Outside *paint*

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	<i>21.48</i>	<i>13.45</i>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Total capacity of double bottom	<i>13.45</i>	(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. *1629*

Date *14. 2. 19*

No. *600* in builder's yard.

DATES of Surveys held while building

1919
Jan. 13, 14, 21, 28, 30 - Feb. 6, 14, 21, 26 - Mar. 10, 12, 14, 26 - Apr. 1, 8, 18, 21, 30 - May. 1, 15, 19, 24, 30 - June. 3, 9, 10, 14, 19, 26 - July. 3, 28 - Aug. 1, 6, 14, 21, 24, 29

Total No. of Visits *34*

Surveyor's Signature

Ridley Powell

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