

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office TUE. SEP. 25 1923

Date of completion of report 11<sup>th</sup> September 1923. State if Report is also sent on the Machinery of the Vessel *Yes.*  
Survey held at *Newcastle-on-Tyne* Port of *NEWCASTLE-ON-TYNE* No. *77055*  
Date, First Survey *24 August 1920* Last Survey *7<sup>th</sup> September 1923*

On the (State if Single, Twin, or Triple Screw) *single screw steamer* **HARVEST QUEEN** Rig  
Tonnage under Tonnage Deck *138.74* CLASS *100A-* Master  
Do. between Tonnage 1<sup>st</sup> and 3<sup>rd</sup> and 4<sup>th</sup> Dk. Breadth (greatest moulded) *19.5* Year of appointment  
Total under Upper Dk. Depth, at middle of length from top of keel to top of upper deck beams at side *9.75* Built at *Newcastle-on-Tyne*  
Do. of Poop Transverse Number *29.25* When built *1923* Launched *14<sup>th</sup> Aug. 1923*  
Do. of R.Q. Dk. Length on deck from fore part of stem to after part of stern post *110* By whom built *Wood Skinner & Co. Ltd*  
Do. of Bridge House Longitudinal Number *32175* Owners *Spillers & Bakers Ltd*  
Do. of Foremast Depth "d," at middle of length (See Secs. 2 & 13) *8.75* Managers  
Do. of Houses on Dk. Proportions—Depths to Length—Upper Deck Beam at side to top of keel *11.28* (Where necessary to be entered in Reg. Book.)  
Do. of excess of Hatchways Residence *Newcastle-on-Tyne*  
Do. above Crown of Engine Room Port belonging to *Newcastle*  
Gross Tonnage *166.67* If Surveyed while Building *Afloat, or in Dry Dock* *Yes.*  
Less Crew Space  
Less above Crown of Engine Room  
TONNAGE FOR FEES. *59.05*  
Less Engine Room  
Less Navigation Spaces *10.13*

Register Tonnage *97.49* as cut on Beam  
Destined Voyage  
Length on Deck as per Rule *110* Breadth Moulded *19* Depth, Actual—Top of Floors to top of Upper Dk. Beams *9* 1/2  
Do. do. do. do. Second Dk. Beams  
Moulded depth, ft. ins. To Bridge Dk. Round of Upper Dk. Beam, Actual *5* ins.  
Moulded depth, ft. ins. To Upper Dk. Dk. Beam, Actual

Dimensions of Ship per Register. Length *109.4* breadth *19.7* depth *8.95*

FRAMING.				PILLARS.			
FRAME, Angles, <i>E-F</i> amidships				PILLARS In 'tween Deck, size and spacing			
Do. in peaks	4	2 1/2	32	4	2 1/2	32	
Do. in way of Double Bottoms at Solid Floors	4	2 1/2	32	4	2 1/2	30	
Do. in way of Double Bottoms at Solid Floors	4	3	34	4	3	34	
at intermdt. Bkts.							
Spacing of Frames from centre to centre amidships	21			21			
" " from 1/2 length to Collision bulkhead	21			21			
" " in peaks	21			21			
REVERSED FRAME, Angles <i>on floors</i>	2 1/2	2 1/2	30	2 1/2	2 1/2	30	
Do. in way of Double Bottoms at Solid Floors							
at intermdt. Bkts.							
FRAMING, depth of girder	4			4			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	12 1/2	30		12	30		
" in way of Engine and Boiler Spaces	34 and	40	34 and	40			
thickness at the ends of vessel	30		30				
depth at 1/2 the half breadth, as per Rule							
height extended at the Bilges							
FLOORS in Cell. Double Bottoms							
state if flanged (top & bottom)							
Spacing of Solid floors							
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.							
Angles, Top							
" Bottom							
" to Floors							
Brackets at intermdt. frmg., width & thknss							
SIDE GIRDERS, number on each side & thickness							
state if flanged (top and bottom)							
Angles (top and bottom)							
" to Floors							
MARGIN PLATE, depth (exclusive of flange) and thickness							
Angle to Outside Plating							
" Floors							
Brackets at intermdt. frmg., width & thknss							
Height of Outside Brackets above at bilge							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
in Engine and Boiler space							
Remainder in Holds							
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	4	2 1/2	30	4	2 1/2	30	
In way of Long Bridge							
Spacing	21			21			
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel							
Spacing							
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
Angles on upper edge							
Spacing							
				KEELSONS & STRINGERS.			
				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
				Rider Plate	3	3	28
				Flat Plate Keel Angles	3	3	28
				Horizontal Plates on Floors	5 1/2	3	35
				Angles or Bulb Angles	4	3 1/2	36
				SIDE KEELSONS, Number	3	3	28
				Angles or Bulb Angles	3	3	28
				Plate above floors, for length			
				Intercoastal Plate, for full length			
				Attached to outside Plating with Angle	3	3	28
				BILGE KEELSON, Angles			
				Intercoastal Plate for length			
				Attached to outside Plating with Angle			
				SIDE STRINGERS, Number			
				Angle			
				Intercoastal Plate, for length			
				Attached to outside plating with Angle			
				Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	39	36	39
				" " " " br'dth & thickness (in way of Bridge)	3	3	30
				" " " " Angle (clear of Bridge)			
				" " Tie Plate at sides of Hatchways			
				" Deck, * Iron or Steel, for full lng.			
				" Thickness (clear of Bridge)			
				" (in way of Bridge)			
				Wood Deck, Material & thickness	21	28	21
				Quarter Deck Stringer Plate, br'dth & thickness	3	3	30
				" Angles on ditto, No.			
				" Tie Plates outside Hatchways			
				" Deck, * Iron or Steel, for full lng.	28	26	28
				" 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			
				" Angle on ditto			
				" Tie Plates			
				" Deck, Material and thickness			
				Forecastle Deck Stringer Plate, br'dth & th'kns			
				" Angle on ditto			
				" Tie Plates			
				" Deck, Material and thickness			



WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.	FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.	
WEB-FRAMES, In Fore Body, No. and spacing		Two as per profile				KEEL, Bar, depth and thickness		Flat plate keel		
" " " brdth. & thickness		12		30	12	30	STEM, moulding and thickness		5 1/4 x 1 1/2	5 1/2 x 1 1/4
WEB-FRAMES, In E. & B. Space, No. & spacing						STERN-POST for Rudder do. do.		5 1/4 x 2 1/2		5 1/4 x 2 1/2
" " " brdth. & thickness						" for Propeller		5 1/2 x 2 1/2		5 1/2 x 2 1/2
WEB-FRAMES, In After Body, No. and spacing						RUDDER-A x D* Table 22. Speed 8 3/4 knots		A x D = 48		
" " " brdth. & thickness						" Main-Piece, diameter at head		3 3/4		3 3/4
" " " No. of Side Stringers						" " " at heel		3		3
" " " Size of Face Angles to Web-Frames		3 x 3		30	3 x 3	30				
BRACKET PLATES to Stringers between Web Frames, depth and thickness										

BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up, state deck.
		Vessel.	Per Rule.	Horizontal. Size. Inches.	Vertical. Size. Inches.		
W.T.BULKHEADS		3	3				
aft peak				32-26 cabin flat 4-25-30 30		Single	2-11-0
no 19				38-26 - - 5 1/2-3-32 30		-1-	-1-
" COLLISION "				32 - - 4-3-30 24		Double	U.D.
PARTITION "							
LONGITUDINAL "							

Are the outside Plates doubled two spaces of Frames in length? *Brackets fitted*

Are the Sluice Valves and Watertight Doors in efficient working order? *nil*

RUDDER, how constructed *Forged & built*

Thickness of ~~Plates~~ Single Plate *.78*

Can the Rudder be unshipped afloat? *Yes*

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.? *South Durham, Doorman Long, Bolakow Vaughan, Consett*

Open hearth process

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

PLATING.										RIVETING.											
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.									
		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Ordinary or joggled?		Ordinary		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.	
		Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.	Breadth. Inches.	Thickness. Inches.	Single or Double.	Breadth of Lap. Inches.	Diam. Inches.	Spacing cr. to cr. Inches.	Diam. Inches.	Spacing cr. to cr. Inches.	Breadth. Inches.	Thickness. Inches.	Breadth. Inches.	For what Length. Feet.				
FLAT PLATE KEEL.....		33	44	36	36	33	44	Double	4 1/2	3/4	3	T.A. for 1/4" 3/4	2 5/8					7 1/2 full lth			
GARBOARD or A Strake			38	30	30		28	Single	2 1/2	"	"	O.R. full lth	"	"				5	"		
State actual thickness in way of Double Bottom.			38	30	30		28	"	"	"	"	"	"	"				"	"		
Sheerstrake			30	30	30		28	"	"	"	"	"	"	"				"	"		
Quarter Deck		33	42	30	30	33	42	Double	4 1/2	"	"	"	"	"				"	"		
Side			34	30	30		34	Single	2 1/2	"	"	"	"	"				"	"		
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THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE																					
DO. OF STRAKE BELOW DBLG. OF Flat Plate Keel																					
" Sheerstrake		18' x 42				42															
" Length and thickness																					
POOP SIDES																					
SHORT BRIDGE SIDES																					
FORECASTLE SIDES																					

Upper Deck { Butts, double riveted for full length amidship

Stringer Plate { Straps, single, double or overlapped for full length amidship

Second Deck { Butts, riveted for full length amidship

Stringer Plate { Straps, single or overlapped for full length amidship

Butts of Side Stringers riveted.

Tie Plates riveted.

Inner Bottom Plating, riveting of Edges Butts riveted.

Centre Girder Butts, riveted. Keelson Butts, riveted.

Frames, riveted through Plates with 3/4" in. Rivets, about 5 1/4" apart.

Rivets, state whether Iron or Steel Iron.

FRAMES extend in one length from centre line to gunwale State if ordinary or joggled joggled.

REVERSED FRAMES on floors and frames extend from only State if ordinary or joggled ordinary.

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore										
	Main										
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.	Suit of										
	Sails, and the following spare sails										







GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 33.7 ft., Bridge ☒ ft., Fore SUNK 16.7 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 Dk (stl)

Official No. 145538; Signal Letters

State if Machinery is fitted aft

Yes. Outside Paint

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

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

Where Fitted.	Length.		Where Fitted.	Water Capacity.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	<u>16.7</u>	<u>26</u>
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

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

Order for Special Survey No. 4935

Date 6/9/20

No. 227 in builder's yard.

DATES of Surveys held while building

1920  
Aug. 24. Sep. 3. Nov. 4. 15. 24. 29. Dec. 3. 9. 13. 15. 19. 23.  
26. Aug. 1. 9. 14. 21. 27. 31. Sep. 6. 7.

Total No. of Visits 31.

Surveyor's Signature

J. Macdonald.

Lloyd's Register Foundation