

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office NOV 23 1916

Date of completion of report 17th of October 1916 Port of Rotterdam
Survey held at Schiedam Date, First Survey 19-10-1915 Last Survey 10-10-1916

On the (State if Single, Twin, or Triple Screw) steel single screw steamer "SCHIELAND" Rig no masts

TONNAGE under 1673.75 CLASS 100 A1. FEET. Master J. Knop.

Do. between Tonnage Dk. and 3rd and 4th Dk. Breadth (greatest moulded) 39.83

Total under Upper Dk. 1673.75 Depth, at middle of length from top of keel to top of upper deck beams at side 20.75

Do. of Poop (exclusive of houses on Deck) 510.98 Transverse Number 60.58

Do. of Bridge House Do. of Forecastle 35.96 Length on deck from fore part of stem to after part of stern post 272.00

Do. of Houses on Dk. Longitudinal Number 16478

Do. of excess of Hatchways Do. above Crown of Engine Room 22.49.16

Gross Tonnage 2249.16 Depth "d," at middle of length (See Secs. 2 & 13) 17.6 MD

Crew Space above Crown of Engine Room 105.18 Proportions—Depth to Length—Upper Deck Beam at side to top of keel 13.11

AGE FOR FEES.. 2144.08 " " Lower Bridge Deck Beam at side to top of keel 10.88

Engine Room 719.76 Destined Voyage Newcastle If Surveyed while Building, Afloat, or in Dry Dock Building.

Navigation Spaces 55.17 Port belonging to Rotterdam.

Deep tank 167.56

Water Tonnage 1201.59

Length 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 One

per Rule 272 0 Moulded 39 10 Do. do. do. do. Second Dk. Beams 18 4 No. of Tiers of Beams Steel Dk.

Moulded depth, ft. 10 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 10 ins.

Moulded depth, ft. 10 ins. 9 To Upper Dk. Dk. Beam, Actual 10 ins.

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WEB FRAMES.				Inches in Ship.	Inches in Ship.	Inches per Rule, Or as Approved.	FORGINGS OR CASTINGS.				Inches per Rule, Or as Approved.
WEB-FRAMES, In Fore Body,	No. and spacing	✓					Keelson Martin Steel Brigsing,				
" "	brdth. & thickness						KEEL Bar,	depth and thickness	.....	Flat keelplate	
" "	No. of Side Stringers " "						STEM,	moulding and thickness	.....	8½ x 2 ¾ 8½ x 2 ¾	
WEB-FRAMES, In E. & B. Space,	No. & spacing						STERN-POST	for Rudder do. do.	.....	7½ x 5½ 7½ x 5½	
" "	brdth. & thickness						" "	for Propeller	.....	8½ x 5½ 8½ x 5½	
WEB-FRAMES, In After Body,	No. and spacing	✓					RUDDER—A×D*	Table 22. Speed		As per approved plan	
" "	brdth. & thickness						" "	Main-Piece, diameter at head	.....	7 ¾ 7 ¾	
" "	No. of Side Stringers " "						" "	" " " " at heel	.....	5 ¼ 5 ¼	
Size of Face Angles to Web-Frames.....											
BRACKET PLATES to Stringers between?											
Web Frames, depth and thickness.....)											

BULKHEADS.			STIFFENERS.				Single or Double Frames.		Height up state deck.
Vessel.	Number.	Thickness.	Horizontal.		Vertical.				
	Per Rule.		Size.	[Spacing]	Size.	[Spacing]			
		Inches.	Inches.		Inches.				Inches.
W.T.BULKHEADS	5	5							
Deep tank bulkhead	72 & 78	3/16	Test on every stiffener	3"x3"x .36	9x3x .50	12x3x .50			SINGLE Dk.
Stokehold bulkhead	35	3/16	Shape one frame .34	10x3x .36	x .50 BA	12x3x .50			Dk.
A.P. tank bulkhead	7 & 8	3/16	same size beam	10x3x .36	x .50 BA	12x3x .50			Dk.
" COLLISION "	130	3/16	on support	12x3x .36	x .50 BA	12x3x .50			Dk.
PARTITION "			lower stringer	12x3x .36	x .50 BA	12x3x .50			Dk.
LONGITUDINAL.									
Centre line bulkhead in deep tank not watertight									

Are the outside Plates doubled two spaces of Frames in length? Yes diamond shape and brackets at pier No 19 para 10

Are the Hatch Valves and Watertight Doors in efficient working order? Yes

PLATING.										RIVETING.											
AS IN SHIP.								PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Ordinary as required?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.	
		Breadth.	Thickness.	Thickness.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Simple or Double.	Breadth of Lap.	Diam.	Spacing cr. to cr.	Diam.	Spacing cr. to cr.	Breadth.	Thick-	Breadth.	For what		
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Length.		
FLAT PLATE KEEL.....	(U Bar Keel, state Riveting.)	43	.78 ✓	.58	.58	43	.78			DOUBLE	6	1"	3.9	III ½ L	I 4			14	½ L		
GARBOARD OF A Strake		70	.52	.42	.44	68	.52			"	5 ¼	7/8	3.4	III ⅝ L	7/8 3/8			12	⅜ S.D.		
State actual thickness in way of Double Bottom.		B	.69	.52	.42	.44	68	.52		"	5 ¼	7/8	3.4	III ⅝ L	7/8 3/8			12	⅜ S.L.		
M.D. Sheerstake		C	70	.52	.52	.44	68	.52		"	5 ¼	7/8	3.4	III ⅝ L	7/8 3/8			12	⅜ S.L.		
R.I.F. D. sheer		D	55	.52	.44	.48	54	.52		"	5 ¼	7/8	3.4	III full	7/8 3/8	16 ¾	.64	-	full		
K		E	60	.50	.40	.42	60	.50		"	5 ¼	7/8	3.4	III "	7/8 3/8			9	"		
L		F	60	.54	.44	.44	60	.54		"	5 ¼	7/8	3.4	III "	7/8 3/8			9	"		
M		G	60	.64	.44	.44	60	.64		"	6	1"	3.9	III "	7/8 3/8	at doubling	</				

EQUIPMENT NO.				LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING 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.	Cwts.	qrs.	lbs.	If Patent state Name of Patentee.														
376		1st Bower ...		36	1	0	stockless		33	5	2	14	35	2	0	Byers patent.		Ketting & Schudam 19/16 A Bylo													
377		2nd „ ...		34	0	0	„		31	12	2	0	34	2	0	„		Ankerfabr. „													
378		3rd „ ...		31	3	14	„		30	0	2	14	31	0	0	„		Holland „													
		4th „ ...																„													
		Collective weight.		102	0	14							101	0	0																
358		Stream		9	1	0	2	2	5	11	6	3	14	9	1	0	Ordinary		Werf Gusto Schudam 9/16 H. A. Bylo												
356		Kedge.....		4	3	0	1	0	12	7	2	2	0	4	3	0	„		Schudam „												
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.				1st Bower				22 Cwt. — 2 qrs. — 20 lbs.				B.V. certificate 984				Magdeburg 8-8-1916															
				2nd „				21 Cwt. — 0 qrs. — 16 lbs.				B.V. certificate 914				Magdeburg 31-3-1916															
				3rd „				20 Cwt. — 1 qr. — 11 lbs.				B.V. certificate 916				Magdeburg 31-3-1916															
				4th „																											
CHAIN CABLES.																HAWSTERS 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 Towline.		Length and Size per Table 31.									
		Length. Diam.		Tons. Ins.		Supplied. Per Rule.		Length. Diam.										Fathoms. Ins.		Tons. Ins.		Fathoms. Ins.									
646		240 1 1/4		35 1/2 7 1/2		373.2 12 370.1 12		240 1 1/4		shd link Ketling-Ankerfabr. Holland		Schudam 19/16 A Bylo						TOWLINE		90 3 1/2		90 3 1/2									
																		HAWSTERS & WARPS		90 6		90 6									
																				90 5		90 5									
																				2 x 90 2 3/4		turner									
																				3 x 90 2 1/2		12 1/2									
Isos.-Glassed Chain or Steel Wire		45 Cir. 4		3 3		✓		45 Cir. 4		Westdeutsche Seil Industrie																					
Boats				Three boats.				Steering Gear, Steam				Yes				Steering Gear, Hand				Yes.											
Pumps, Number				Down pump				Diameter of Barrel				5"				State whether they are in efficient working order				Yes.											
Windlass is				From steam patent.				Capstan				Special wrench fitted aft.																			
Engine Room Skylights.—How constructed?				steel and angle				What arrangements for deadlights in bad weather?				steel lids																			
Coal Bunker Openings.—How constructed?				steel and angle				How are lids secured?				Battens.				Height above deck? 18 above poop deck.															
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.				4 in forewell; 4 in R.F. Deck; 4 off 5' 5" x 1' 2" in forewell.																											
Ceiling in Holds, thickness and material				No ceiling				Cargo Battens, thickness and material				no cargo battens.																			
Cargo Hatchways.—How formed?				steel and angle				Hatches, If strong and efficient?				3"																			
State size No. 1 Hatch (Forward)				39' 2" x 13' 0" 18' 0"				No. 2 Hatch				39' 2" x 18' 0"				No. 3 Hatch				24' 5" x 18' 0"				No. 4 Hatch				24' 5" x 18' 0"			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				three web plates to No. 1 & 2 hatchways; two web plates to No. 3 & 4																											
three fore and after main & 2nd hatchways.																															
Bulwarks, height above deck and description.				V.H. And steel sheer				Main Rail, material and size				C 6 1/2 x 3 x .52 x .76																			
The foregoing is a correct description of:				Directeur De Administrateur				Surveyor's Signature				R. Vuyck				Surveyor to Lloyd's Register of Shipping.															
Builder's Signature (here only)				J. M. W. J. Hamer																											
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																															
London M 23/6; 28/6; 9/7; 30/7; 29/9-1915; 11/9-1916																															
Workmanship. Are the butts of plating planed or otherwise fitted? Overlapped and caulked.																															
Is the riveted work properly closed? Yes, good.																															
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? Yes, 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)? 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.)																															

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 68.5 ft., R.Q.D. 84.2 ft., Bridge ✓ ft., Forecastle 27.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

Poop is joined to the R.Q. Dk. —

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) One steel Dk. Well Dk. steamer.

Official No. ; Signal Letters State if Machinery is fitted aft Yes. How are the surfaces preserved from oxidation? Inside 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, aft,			Fore peak tank,	16.5	131.
Double bottom, under Engines and Boilers,			After peak tank,	15.6	70.
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, amidship.	11.75	285.
Double bottom, forward, of Boilerspace	191.9	540.	Other tanks, if fitted,		
	Total capacity of double bottom	540.	(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 and tight

Order for Special Survey No. 480

Date 8-7-1915

No. 498 in builder's yard.

DATES of Surveys held while building

19/10; 2-19/11; 14-31/12 1915; 11-25/1; 7-15-24/2; 1-20/3; 13-22-25/4; 8-15-20-31/5; 10-15/6; 20-21-28/7; 5-14/8; 4-19/9; 5-9-10/10-1916

Surveyor's Signature

Surveyor's Register Foundation

Total No. of Visits 31