

No. 35681A

State Type of Erections.....none

Draught Moulded (suitable for scallings) about 12 - 5/2

If surveyed while building, afloat, or in dry dock

th	221.8	(67.61m)
dth	37.9	(11.54m)
h	15.2	(4.63m)

	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	570 550 ✓			
" " from $\frac{3}{8}$ length amidships to Collision bulkhead..... }	570 ✓			
" " in peaks	570 ✓			
SIDE FRAMING.				
Frame Amidships, Angle E or F [6" 3" .32" ✓			
" " Extends up to upper deck				
Web Reversed Frame Amidships, Angle flat	5" .63" ✓			
on fr? 33, 41 & 48				
" " Extends up to upper deck				
Depth of Framing Girder.....	416 ✓			
Frames in Uppermost Continuous 'tween Decks, Angle, [or [-			
" " Second 'tween Decks, Angle, [or [-			
" " Third	-			
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	6" 3" .32" ✓			
" " in Peaks, Angle or [5" 3" .32" ✓			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	19 7D ✓			
State if Frame Joggled.....	no ✓			
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	yes ✓			
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?	yes ✓			
SINGLE BOTTOM.				
Floors, Depth and thickness at mid-line in Holds.....	at 400 9 ✓			
Height of Brackets at side above base line at toe of frame.....	500 ✓			
Middle Line Keelson, on Floors, Angles, [or [-			
" " Through Plate or Inter-costal Plate	-			
" " Foundation Plate on Floors	-			
" " Flat Plate Keel Angles	-			
Hopper side plating	one ✓			
Side Keelsons, No. each side.....	lower 22 ✓			
" " thickness of Intercoastal Plate.....	12 ⁵ / ₁₀ ✓			
" " Angles remainder				
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing	-			
" " Are Frame and Reversed Frame joggled ?	-			
Bracket Floors, breadth and thickness at middle line	-			
" " breadth and thickness at margin plate.....	-			
Bracket Floors, Frame				
" " Reversed Frame.....				
" " Vertical Struts				
Centre Girder, depth and thickness amidships				
" " top Angles				
" " bottom Angles.....				
Side Girders, No. each side and thickness.....				
Margin Plate depth (excl. of flange) and thickness				
" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem				
" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area				
" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....				
" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area				
Tank Side Brackets, height above base line at toe of Frame and thickness				
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake....	-			
Thickness of remainder in Holds	-			
Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room ?.....	-			
BEAMS.				
Uppermost Continuous Deck, amidships	6" 3" .32" ($\frac{1}{4}$ beam)			
Wells, Angle E or F [
" " Hopper space in way of Bridge, Angle, [or [4" 3" .32" ($\frac{1}{2}$ beam)			
Spacing	550 ✓			
Second Deck, amidships, Angle, [or [-			
Spacing	-			
Third Deck, amidships, Angle, [or [-			
Spacing	-			
Fourth Deck, amidships, Angle, [or [-			
Spacing	-			
Poop Deck, Angle, [or [-			
Spacing	-			
Bridge Deck, Angle, [or [-			
Spacing	-			
Forecastle Deck, Angle, [or [-			
Spacing	-			

PILLARS AND DECKS.

		mm INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		mm INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows		Two	✓						
,, in 'tween Decks, Size and Spacing		75	5130	✓	4560				
,, ,, ,, ,, ,,		-							
,, in Holds ER		90	5130	✓	3990				
,, ,, ,, ,, ,,		-							
Centre Line Bulkhead. Stiffeners and Spacing		5.5" x 3" x 32" / 550		✓					
Plating, thickness of		12 ⁵ - 10		✓					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		1300	22 ⁵	✓					
,, ,, ,, ,, in way of Bridge		1300	13 ⁵	✓					
,, Angle in Wells		6"	6"	51"	✓				
Thickness of Plating abreast Deck openings in way of Wells engine room		12 ⁵		✓					
Thickness of Plating abreast Deck openings in way of Bridge		-							
Thickness of Plating within line of openings...		10/7		✓					
If Sheathed, material and thickness		-							
Second Deck (partial -)									
Stringer Plate, breadth and thickness in Wells		600	8	✓					
Stringer Plate, breadth and thickness in way of Bridge		281		✓					
Thickness of Plating abreast Deck openings in way of Wells		-							
Thickness of Plating abreast Deck openings in way of Bridge		-							
Thickness of Plating within line of openings...		-							
If Sheathed, material and thickness		-							
Third Deck.									
Stringer Plate, breadth and thickness		-							
If Plated, state thickness		-							
Fourth Deck.									
Stringer Plate, breadth and thickness		-							
If Plated, state thickness		-							
Poop Deck.									
Stringer Plate, breadth and thickness		-							
Plating, Sheathing, material and thickness		-							
Bridge Deck.									
Stringer Plate, breadth and thickness		-							
Plating, Sheathing, material and thickness		-							
Forecastle Deck.									
Stringer Plate, breadth and thickness		-							
Plating, Sheathing, material and thickness...		-							

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>yes, exc. Keel pl.</i> <small>State if joggled?</small>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	<i>inches</i> <i>mm</i>	<i>inches</i> <i>mm</i>	<i>inches</i> <i>mm</i>	<i>inches</i> <i>mm</i>			<i>inches</i> <i>mm</i>	<i>inches</i> <i>mm</i>		Inches.	Inches.	
Flat Plate Keel.....	<i>10 7/8</i>	<i>1 1/2</i>	<i>1 1/2</i>	<i>1 1/2</i>	<i>/</i>	<i>D</i>	<i>22</i>	<i>9 5/8</i>	<i>ew</i>			
„ Dblg. (if any)	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>								
Bottom Plating, No. of Strakes	<i>A</i>	<i>12 5/8</i>	<i>13 5/8</i> <i>11</i>	<i>10</i>	<i>/</i>	<i>D</i>	<i>19 1/2</i>	<i>8 1/2</i> <i>9 5/8</i>	<i>ew</i>			
Bilge Plating, No. of Strakes	<i>B</i>	<i>12 5/8</i>	<i>13 5/8</i> <i>11</i>	<i>10</i>	<i>/</i>	<i>D</i>	<i>19</i>	<i>8 1/2</i>	<i>ew</i>			
Side Plating, No. of Strakes	<i>C</i>	<i>10</i>	<i>8 5/8</i>	<i>8 5/8</i>	<i>/</i>							
Upper Deck, Sheer- strake in Wells.....	<i>D</i>	<i>13 1/2</i>	<i>13</i>	<i>8 5/8</i>	<i>/</i>	<i>D</i>	<i>19</i>	<i>8 1/2</i>	<i>ew</i>			
Upper Deck, Sheer- strake in Bridge ...	<i>E</i>	<i>12</i>	<i>9</i>	<i>8 5/8</i>	<i>/</i>	<i>D</i>	<i>19</i>	<i>8 1/2</i>	<i>ew</i>			
Strake below Sheer- strake in Wells	<i>F</i>	<i>12</i>	<i>9</i>	<i>8 5/8</i>	<i>/</i>	<i>D</i>	<i>19</i>	<i>8 1/2</i>	<i>ew</i>			
Strake below Sheer- strake in Bridge ...	<i>G</i>	<i>12</i>	<i>9</i>	<i>8 5/8</i>	<i>/</i>	<i>D</i>	<i>19</i>	<i>8 1/2</i>	<i>ew</i>			
Poop Side Plating.....	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>			
Bridge Side Plating.....	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>			
Forecastle Side Plating	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>			

WATERTIGHT BULKHEADS.

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)				mm		
"	Deck next below					
As per Rule.						
		STIFFENERS.				
		Plating Thickness. mm	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	Upper 'tween deck	9-8	7 1/2 x 30	660	570 x 8	3000
"	"	8	7 1/2 x 32	600-600	570 x 8	above base
"	Second	85	7 1/2 x 32	600-600	570 x 8	base
"	Third	88	8 1/2 x 32	500	—	—
"	Holds	103	8 1/2 x 32	500	—	—
COLLISION	(in Hold)	110	10-6 1/2 x 3 1/2 x 28	600	tank deck + str.	
AFTER PEAK		5	10-6 1/2 x 2 1/2 x 28	600	tank deck	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth process*
 Plates: *Kon. Ned. Hoogovens en Staalfabrieken N.V.*
 Sections: *Cargo Fleet Iron Co Ltd; Dorman, Long & Co Ltd; The Steel Company*
 Has the Steel been tested as required by the Rules? *yes* [*of Scotland Ltd; Colvilles Ltd.*]

EQUIPMENT No. 12346										LETTER 12		ANCHORS.					
Any Departure from Approved Plans be Noted.	Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.		Makers.	Where and when tested, and Superintendent.
			Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.					
	3212	1st Bower	1295	kg	—	—	—	—	25540	kg	1295	kg	Union stockless	Hüttenwerk	Dortmund-Hörde;		
	3213	2nd "	1299	"	—	—	—	—	26400	"	1295	"	"	Hörde AG	25-7-51; JQ		
	3214	3rd "	1296	"	—	—	—	—	26400	"	1120	"	"	"	"		
	3216	4th weight	1296	"	—	—	—	—	26400	"	coll. weight 5710 kg	"	"	"	"		
	3304/1	Stream	297	kg	115	kg	—	—	8226	kg	330 kg + 25%	"	"	Gebr. Heuss	Mannheim-Industrie-hafen; 13-5-52; HK5		
CHAIN CABLES.										HAWSERS AND WARPS.							

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms m	Inches mm	Tons kg	Tons kg	Cwts. qrs. lbs.	Cwts.	Fathoms m	Inches mm					Fathoms m	Inches mm	Tons kg	Fathoms m	Inches mm		
4551	440	38	40940	59350	15144 kg	12220 kg	385	38	Steel	A. Demaree	Gosselies, 6.52	TOWLINE	135	83	22050	165	83		
4552	20	33	30860	46300	560	-	-	-	"	"	"	HAWSERS & WARPS	165	57	10970	165	57		
4553	40	27	20640	30920	688	-	-	-	"	"	Gosselies, 7.52		"	165	44	6500	165	44	
Iron Stream Chain or Steel Wire	135	89	26110				135	89	6x12		A.v.H	"	400	102	33730				
												"	2x400	95	24770				

Steering Gear, Type (Power or hand)	el. hydraulie & Svendborg	Alternative Means of Steering	hand hydraulic operated aft
Steering Chains (Size and Test)		Windlass	el. driven
Ceiling in Holds, thickness and material		Cargo Battens, thickness, material and spacing	
Cargo Hatchways. (Upper Deck)		Thickness of Hatches	

Hopper opening 1650" x	No. 2 8.88"	No. 3	No. 4	No. 5	No. 6
Number of Shifting Beams					
and/or Fore and Afters					

4/8 aft anchor	1096 kg	414 kg	22390 kg		stock anchor	Gebrs. Heuss	Mannheim-Ind. hafen
4/4 side anchor	695 kg	220 kg	15560 kg		stock anchor	Gebrs. Heuss	13-5-52; HK5
4/5 fore	675 "	242 "	15220 "		"	"	"

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel.....		
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.....	no	The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
The ship has been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters. The scantlings and arrangements of the ship are as given in the report and as shown and amended on the approved plans now forwarded. All modifications or additions to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to, Rule requirements. The plans of midship section and profile and decks showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order. Decks and watertight bulkheads have been hose tested and all tanks examined under pressure required, and found tight. Steering arrangement and windlass tried and found working satisfactorily. Rudderheads made from tested material returned to proper dimensions.		

The amount of Entry Fee.....	£ 3435.-	Fees applied for, when opt on electr. to comp. 49	(Special notations, where part of class, to be stated.)
Special Survey Fee.....	£ :	Received by me,	
Travelling Expenses, if any	£ 98.-	19	
State whether the Vessel has been built under Special Survey	yes	I am of opinion the Vessel should be Classed	* 100 A1
Certificate to be sent to	Rot. off.	Date of issue	4/2/53
Committee's Minute	TUES. 20 JAN. 1953	Signature	W. J. J. J.
Character assigned	+ 100 A1 Hopper Dredger	Surveyor to Lloyd's Register of Shipping.	Dr. J. J. J.
Lloyd's A & CP	+ LMC 10, 52 Oil Eng.		
White Rot. (L. & M.)	OG.		
	(with torsional stress endorsement)		

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

sister vessel of "PUNQUE"

Approved plans:

Profile and Deckplan	6-9-'50	} Rotterdam
Cross sections	6-9-'50	
Propeller shafting brackets	13-4-'51	
Engine seats (2 plans)	30-6-'51	
Rudder erection	10-10-'51	
Rudderstock	10-10-'51	
Rudderstock bearing (bottom)	10-10-'51	
(top)	10-10-'51	
Rudder casting	19-11-'51	
Rudder	7-12-'51	

Certificates attached:

Interim certificate, dated Rotterdam 25-10-'52
Cert. of draft, dated Amsterdam 11-7-'51; N° C4886.
Cert. of castings, dated Antwerp 8-12-'51; N° 13056.
Cert. of flap operating cable, dated Rotterdam, 18-9-'51; N° 9841.
Cert. of steering gear, dated Copenhagen, 18-12-'52;

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of shellplating; butts and seams of deckplating and bulkheads; frames of centre air case; engine seats; bulkhead stiffeners; beams of deep tanks.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

ESD

RADAR Equipment (State if fitted)

State Type or Pattern No.

State } Maker
Name } and/or
of } Supplier

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

Read/shank

1st Bower	858/437 ^{kg} ; JQ; Dortmund Cert. N° 2711/2718; 12-7-'51.
2nd "	852/447 ^{kg} ; JQ; " " " 2712/2722; 12-7-'51
3rd "	859/437 ^{kg} ; JQ; " " " 2713/2720; 12-7-'51
4th "	859/437 ^{kg} ; JQ; " " " 2715/2717; 12-7-'51

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 or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. — Signal Letters — Extreme Breadth over Belting 38'-10" Over-all Length 234.1
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one steel deck

Parts of Bottom of Vessel coated with cement or approved composition.

Forepeak, afterpeaks, ballast tanks, freshwater tank with cement wash; hold, cofferdam, air cases, engine room.

Particulars of composition (if fitted) and of approval with red lead; oil fuel tanks oiled.

PARTICULARS OF WATER BALLAST:—

(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)

Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	M ³
Double bottom, aft,	—	—	Fore peak tank,	15.1	46
Double bottom, under Engines and Boilers,	—	—	After peak tank,	9.4	16
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	13.1	76
Double bottom, forward,	—	—	Other tanks, if fitted, freshwater	34	34
Total length (if continuous) and Capacity	—	—	(If necessary furnish further information by sketch.)	—	—

Order for Special Survey No. 1686

Date 17-10-'50

Dates of Surveys held while building

1951: 7-5; 25-6; 20-8; 18-9; 4, 5, 15, 24-10; 5, 15-11; 7-12.
1952: 2nd, 11, 14, 18, 19, 21, 24, 26-1; 4, 8, 22-2; 4th, 7, 10-3;
5-4; 30-7; 30-9; 2, 3, 6, 21, 24-10.

Total No. of Visits 35