

STEEL SAILING SHIP.

27 DEC 1936

No. 25053

Port of Rotterdam Date of completion of Report 2nd of December 1936 Received at London OfficeSurvey held at Sluicezicht Date of First Survey 8th of September 36 Last Survey 25th of November 1936On the Steel Hopper Barge JAMES' 68 Rig ✓Master ✓Year of Appointment ✓Built at SluicezichtWhen built 1936 Launched 13/10-1936By whom built N.V. Scheepswaferij & Machinefabriek, see KlopOwners James Dredging & SalvageManagers Transvaal Comp Ltd.Residence LondonPort belonging to "Destined Voyage Saved to London If Surveyed while Building, Afloat, or in Dry Dock BuildingTONNAGE under
Tonnage Deck

Do. of Poop

Do. of raised Or.
Deck

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Gross Tonnage

Less Crew Space

TONNAGE FOR FEES..

Navigation spaces

Master Tonnage

cut on Beam...

CLASS 100 A Hopper BargeBreadth (greatest moulded) 22Depth, at middle of length, from top of keel to top of
Upper Deck Beam, at side 8.25Transverse Number 30.25Length, on deck from fore part of stem to after part of
sternpost 124Longitudinal Number 3751

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

Proportions, Depths to length, Upper Deck beam at
side to top of keel 15Destined Voyage Saved to London If Surveyed while Building, Afloat, or in Dry Dock BuildingLENGTH on deck as per rule 124 0 BREADTH Moulded 22 0 DEPTH Top of Floors to Upper Deck Beams 7 8Dimensions of Ship per Register, Length, ✓ breadth, ✓ depth, ✓ Moulded depth, ft. 0 in. 3 Round up of Beam 5 1/2 ins.

FORGINGS AND CASTINGS. Inches in Ship. Inches per Rule. Or as Approved.

EEL, Bar, depth and thickness Mark steel plate fore and aftEM, moulding and thickness 4 x 1 1/2ERN-POST, do. do. none per approved planUDDER-A x D* Table 22 Single plate as perMain Piece, diameter at head approved planheel no maintenanceUDDER, how constructed Single plate .50"in the Rudder be unshipped afloat? Yes

FRAMING.

FRAME, Angles, E or L Bars, amidships 3 2 1/2 .30in peaks 3 2 1/2 .30acing of Frames from centre to centre, amidships 21in peaks 21EVERSED FRAME, Angles, amidships 2 1/2 2 1/2 .26fore and aft in peaks 2 1/2FRAMING, depth of girder ✓FLOORS, depth and thickness of Floor Plate channel 7 x 3 x 2 1/4 in hopperat mid line for 3/4 length amidships platethickness at the ends of vessel 12 x .28 fore and aftdepth at 3/4 the half breadth, as per Rule height at topheight extended at the Bilges height at topBEAMS, Upper Deck, Single Angle, Bulb Angle, 12 x .28 hopper spacePlate or Tee Bulb 2 1/2 2 1/2 .26Angles on Upper Edge 21Average space ✓BEAMS, Second or Lower Deck, Plate, Tee ✓Bulb or Channel ✓Angles on Upper Edge ✓Average space ✓BEAMS, Third or Orlop Deck, Plate, Tee ✓Bulb or Channel ✓Angles on Upper Edge ✓Average space ✓BEAMS, Poop Deck, Angle, Bulb Angle, Plate, ✓Tee Bulb or Channel ✓Angles on Upper Edge ✓Average space ✓BEAMS, Bridge Deck, Angle, Bulb Angle, ✓Plate, Tee Bulb or Channel ✓Angles on Upper Edge ✓Average space ✓BEAMS, Forecastle Deck, Single Angle, Bulb 4 x 2 1/2 x .28Angle, Plate, Tee Bulb or Channel 21Angles on Upper Edge ✓Average space ✓PILLARS, In 'tween Decks, Size and spacing 3 x 3 x 36 doubleHold ✓Quarter, 'tween Dks. ✓in Holds, ✓WEB-FRAMES, Number and spacing 4 x 3 x 2 1/4 in hopper spaceBreadth and thickness ✓No. of Side Stringers, breadth and thickness ✓Size of Face Angles to Web Frames ✓PARTIAL BULKHEADS, as per Sketch, page ✓147, No. ✓BRACKET PLATES to Stringers between ✓Web Frames, Depth and Thickness ✓

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above ✓floors, Through Plate or Intercoastal Plate 26Rider Plate 2 1/2 2 1/2 .26Flat Keel Plate Angles 4 2 1/2 .26Horizontal Plates above floors ✓Angles or Bulb Angles ✓SIDE KEELSONS, Number ✓Angles or Bulb Angles ✓Plate above floors for lng.Intercoastal Plate for lng.Attached to outside Plating with Angle ✓BILGE KEELSON, Angles or Bulb Angles ✓Plate above floors for lng.Intercoastal Plates for lng.Attached to outside Plating with Angle ✓SIDE STRINGERS, Number ✓Angle ✓Intercoastal Plates for lng.Attached to outside Plating with Angle ✓Upper Deck Stringer Plate, breadth and 45 1/2 x .30thickness 3 x 2 1/2 .30Angle on ditto ✓Tie Plates, fore and aft, outside Hatchways ✓Diagonal Tie Plates, No. of Prs. ✓Main Dk.* Iron or Steel for len.Wood Deck, Material and thickness ✓Second or lower Deck Stringer Plate, breadth ✓and thickness ✓Is the Stringer Plate attached to the Outside Plating? ✓Angles on ditto, No. ✓Tie Plates, outside Hatchways ✓Diagonal Tie Plates, No. of Prs. ✓Deck, Material and thickness ✓Third or Orlop Deck Stringer Plate ✓Is the Stringer Plate attached to the Outside Plating? ✓Angles on ditto, No. ✓Tie Plates, outside Hatchways ✓Poop Deck Stringer Plate, breadth & thickness ✓Angle on ditto ✓Tie Plates ✓Deck, Material and thickness ✓Bridge Deck Stringer Plate, breadth & thickness ✓Angle on ditto ✓Tie Plates ✓Deck, Material and thickness ✓Forecastle Deck Stringer Plate, brdth & thknss ✓Angle on ditto ✓Tie Plates ✓Deck, Material and thickness ✓

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.

In Vessel. Per Rule. Thickness. STIFFENERS. Single or Double Frames. Height up.

W. T. BULKHEADS 61 3 3 .30 4 3 x 2 1/2 x .30 18 singleCOLLISION 13 3 3 .30 4 3 x 2 1/2 x .30 27 1/2 21PARTITION 37 partial .28 4 3 x 2 1/2 x .30 27 1/2 11Are the outside Plates doubled two spaces of Frames in length? ✓

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.	Spacing or to cr.			Diam.	Spacing or to cr.		Breadth.	Thickness.	Breadth.	For what Length.		
KEEL (Riveting) <i>from 1st aft</i>			.28	.28			Single	2 1/4	5/8	2 1/2	II	5/8	2 1/4						
GARBOARD OR A Strake			.26	.26			Single	2 1/4	5/8	2 1/2	II	5/8	2 1/4						
B "	.49	.28	.26	.26	.28		Single	2 1/4	5/8	2 1/2	II	5/8	2 1/4						
C "	.29	.30	.30	.30	.30		"	2 1/4	5/8	2 1/2	II	5/8	2 1/4						
D "	.40	.20	.26	.26	.28		"	2 1/4	5/8	2 1/2	II	5/8	2 1/4						
E "	.39	.30	.26	.26	.30														
F "																			
G "																			
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
POOP or R. Q. DK. SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES																			

Write "Steelstrake" opposite its corresponding letter.

Edges single 5/8" 2 1/4"
Butts double 5/8" Lapped.

Hopperside girding in two strakes .30"

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. ? *Carr's Steel Co. Ltd. London*
Superbly Framingham Steel Co. Ltd. Southampton
Lines, Southampton; Colvilles & Co. Glasgow
Scottish Iron & Steel Co. Ltd. Coatbridge.

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

Upper Deck Stringer { Butts, treble riveted for *full* length amidship.
Plate { Straps, single, double or overlapped for length amidship.

Butts of Side Stringers ✓ riveted.

Butts of Tie Plates ✓ riveted.

Centre Girder Butts, ✓ riveted. Keelsons Butts, ✓ riveted.

Frames, riveted through Plates with *5/8* in. Rivets, about *4 1/2*" apart.

Rivets, state whether of Iron or Steel *Steel.*

FRAMES extend in one length from *Bilge and center* to *deck.*

REVERSED FRAMES on floors and frames extend from ✓ middle line to ✓ and to ✓ alternately.

MASTS AND SPARS.										RIGGING.						
MASTS, &c.	MATERIAL.	Total Length.	DIAMETER AND THICKNESS AT—				No. of Plates in Round.	ANGLES.		RIVETING.		MATERIAL.	SHROUDS.		STAYS.	
			Partners.	Heel.	Hounds.	Head.		Num-ber.	Size.	Seams.	Butts.		No.	Size.	No.	Size.
LOWER MASTS	Fore ..															
	Main ..															
	Mizen ..															
	Jigger ..															
BOWSPRIT																
TOPMASTS	Fore ..															
	Main ..															
	Mizen ..															
	Jigger ..															
YARDS.	Fore ..															
	Main ..															
	Crossjack															
	Jigger ..															
TOPSAIL YARDS.	FORE															
	Lower ..															
	Upper ..															
	MAIN															
	Lower ..															
	Upper ..															
	MIZEN															
	Lower ..															
Upper ..																
JIGGER																
Upper ..																

Remainder of Spars

QUALITY

SAILS.

Suit of Sails, and the following Spare Sails.

EQUIPMENT No.		LETTER		ANCHORS.		TONNAGE FOR TRAWLERS		U. Dk.														
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQ. PER RULE			Description of Anchor.			Makers.			Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.								
	1st Bower ..																					
	2nd " ..																					
	3rd " ..																					
	Collective weight																					
	Stream ..																					
	Kedge ..																					

If Patent state name of Patentee.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.					
				Supplied	Per Rule.														

Iron Steam Chain or Steel Wire ..

TOWLINE

HAWSER

WARP

Boats *none supplied*

Pumps, Number *four portable pumps to air engines*

Windlass is *Iron hand crank*

Number of Scuppers, and number and dimensions of Freeing Ports *none*

Ceiling in Holds, thickness and material *none fitted*

Cargo Hatchways.—How formed ? *no hatchways*

State size No. 1 Hatch (Forward) ✓ No. 2 Hatch ✓ No. 3 Hatch ✓

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ✓

Bulwarks, height above deck and description *none*

The above is a correct description.

Builder's Signature (here only.) *MACHINEFABRIEK*

Steering Gear *Hand crank steering gear*

Diameter of Barrel and Tail Pipe. *4" barrel 2" tail pipe*

Capstan *Winches for hoppers*

Ceiling 'tween Deck, thickness and material ✓

Hatches, if strong and efficient ? ✓

No. of Breasthooks ✓ No. of Crutches ✓

Main Rail, material and size *none* Topgallant Rail *none*

Surveyor's Signature *J. H. Lloyd's Register*

Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

London letters 14 8/7; 10/11; 1936 Rotterdam letters 7/7; 9/11; 1936

Workmanship. Are the butts of plating planed or otherwise fitted? Overlapped and caulked

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? Yes a few

Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? Yes satisfactory

Have all upper and weather decks been tested as required by Rules (Sec. 26, par 20)? Yes

State results of test good

Have all gutterways been tested as required by Rules (Sec. 26, par 20)? Yes

State results of test good

General Remarks (State quality of workmanship, &c.) The workmanship was found good, and the vessel has been built in accordance with the approved plans, Secretary's letter and Rotterdam letters referred to above and in general conformity with the Society's Rules.

Copies of the approved plan are being retained in your office for record.

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. ft., Bridge ft., F'castle ft.

(in feet and tenths). 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) One Deck (steel)

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Oil and paint as required by Outside paint

Order for Special Survey No. 664 Date 13/7-1936 Order for Ordinary Survey No. Date No. 521 in builder's yard. DATES of Surveys held while building as per Section 18. 1st. On the several parts of the frame, when in place, and before the plating was wrought 8/9; 22/9; 6/10; 12/10; 2nd. On the plating during the process of riveting 13/10; 21/10; 4/11; 23/11; 25/11; 1936 3rd. When the decks were in and fastened, and before the decks were laid 4th. When the ship was complete, and before the plating was finally coated or cemented 5th. After the ship was launched and equipped Total No. of Visits 9

The amount of Entry Fee 24.00 Special Survey Fee 240.00 Travelling Expenses, if any 9.50 Fees applied for, 5.12.1936 Received by me, 14.12.1936 Certificate to be sent to Rotterdam Surveys 28/12/36. J. V. Heerwagen Surveyor to Lloyd's Register of Shipping.

I am of opinion this Vessel should be Classed + 100 A "Hopper Barge" With, or without Freeboard, as condition of Class without

Committee's Minute Character assigned TUE: 15 DEC 1936 + 100 A- Hopper Barge

Note Ret