

1 or 2 Dks., R. Q. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel

Date of completion of Report

Date, First Survey

Received at London Office

No. 21224
FRI. 28 MAY 1909

Port of Hull

Last Survey

Rig No masts

May 21 1909

Master ✓

Year of appointment

(1) As master in service of
owner of present vessel:—19
(2) As master of this
vessel:—19

Built at Hull

When built 1909 Launched 4th May

By whom built Earle Shipbuilding Eng. Co. Ltd.

Owners J. J. J. Contracting & Docking Co. Ltd.

Managers

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

Residence London

Port belonging to London

ONE OR TWO DECKED VESSEL.

CLASS * 100 A1. Dredger.

Half Breadth (moulded) 16.00

Depth from upper part of Keel to top of Main Deck Bms.
(with the normal round up of beam) 14.66

Birth of Half Midship Frame (as per Rule) 29.24

1st Number 59.94

Length on deck from after part of stem to fore part of
stern post 142.57

2nd Number 10185

Proportions—Breadths to Length 5.4

Depths to Length—Main Deck to top of Keel 11.79

Destined Voyage Hindersdijk Holland If Surveyed while Building, Afloat, or in Dry Dock Yes

No. of Decks with Flat laid One
No. of Tiers of Beams One

Dimensions of Ship per Register, Length, 144.0 breadth, 32.15 depth, 12.95 Moulded Depth, 14 ft. 0 ins. Round of Beam, Actual 5 ins.

FRAMING.

FRAME, Angles, 7-E or L Bars, for 1/2 length amidships 3 1/2 3 7 3 1/2 3 7

Do. for 1/2 at each end 3 1/2 3 6 3 1/2 3 6

Do. in way of Double Bottoms at Solid Floors, at intermdt. Bkts. 22 22

REVERSED FRAME, Angles 3 2 1/2 6 3 2 1/2 6

DEEP FRAMING, depth of girder 19 7 19 7

FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships 19 7 19 7

in way of Engines and Boilers 19 7 19 7

thickness at the ends of vessel 19 7 19 7

depth at 1/2 the half breadth, as per Rule 19 7 19 7

height extended at the Bilges 19 7 19 7

FLOORS & BRACKETS, in Cell Dble Bottoms 19 7 19 7

state if flanged (top & bottom) 19 7 19 7

Spacing 19 7 19 7

CENTRE GIRDER, in Double Bottom, depth and thickness 19 7 19 7

Angles, Top 19 7 19 7

Bottom 19 7 19 7

SIDE GIRDERS, number on each side & thickness 19 7 19 7

state if flanged (top & bottom) 19 7 19 7

Angles 19 7 19 7

MARGIN PLATE, depth (exclusive of flange) and thickness 19 7 19 7

Angles to Outside Plating 19 7 19 7

Floors 19 7 19 7

Height of Floors at the Bilges 19 7 19 7

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 19 7 19 7

thickness in Engine and Boiler space 19 7 19 7

Remainder in Holds 19 7 19 7

BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

BEAMS, Hold, Plate or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb 19 7 19 7

Angles on Upper Edge 19 7 19 7

Spacing 19 7 19 7

PILLARS, In 'tween Decks, Size and Spacing 19 7 19 7

Hold 19 7 19 7

Quarter, 'tween Dks., 19 7 19 7

in Hold 19 7 19 7

WEB FRAMES, In Fore Body, No. and Spacing 19 7 19 7

No. of Side Stringers 19 7 19 7

WEB FRAMES, In E. & B. Space, No. & Spacing 19 7 19 7

Brdth. & Thickness 19 7 19 7

WEB FRAMES, In After Body, No. and Spacing 19 7 19 7

Brdth. & Thickness 19 7 19 7

No. of Side Stringers 19 7 19 7

Size of Angles or Tee Bars to Web Frames 19 7 19 7

BRACKET PLATES to Stringers between Web Frames, Depth and Thickness 19 7 19 7

FRAMING.

KEEL, Bar or Side Plates depth and thickness 3 1/2 x 2 1/2 6 3/4 x 2 1/2 6 3/4 x 2 1/2

STEM, moulding and thickness 6 3/4 x 2 1/2 6 3/4 x 2 1/2

STERN-POST for Rudder do. do. 4 1/2 4 1/2

MAIN PIECE of Rudder, diameter at head 3 x 2 3/4 3 x 2 3/4

do. at heel 3 x 2 3/4 3 x 2 3/4

RUDDER, how constructed Forged iron frame. 2 plates.

Can the Rudder be unshipped afloat? Yes

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate 24 6 24 6

Rider Plate 24 6 24 6

Bulb Plate to Intercoastal Keelson 24 6 24 6

Horizontal Plates on Floors 24 6 24 6

Angles 24 6 24 6

SIDE KEELSON, Angles 24 6 24 6

Bulb or Plate above floors for lng. 24 6 24 6

Intercoastal Plate for full length 24 6 24 6

Attached to outside plating with Angle 24 6 24 6

BILGE KEELSON, Angles 24 6 24 6

Bulb or Plate above floors for lng. 24 6 24 6

Intercoastal Plate for full length 24 6 24 6

Attached to outside plating with Angle 24 6 24 6

BILGE STRINGER Angles 24 6 24 6

Bulb or Intercoastal Plate for full lng. 24 6 24 6

Attached to outside plating with Angle 24 6 24 6

SIDE STRINGER Angles 24 6 24 6

Bulb or Intercoastal Plate for full lng. 24 6 24 6

Attached to outside plating with Angle 24 6 24 6

Main and Raised Quarter Deck Stringer Plate, breadth and thickness 24 6 24 6

Angle on ditto 24 6 24 6

Tie Plates, outside Hatchways 24 6 24 6

Diagonal Tie Plates on Bms., No. of Pairs 24 6 24 6

Main Dk* Iron or Steel for full lng. 24 6 24 6

R. Q. Dk* Iron or Steel for full lng. 24 6 24 6

Wood Deck, Material & thickness 24 6 24 6

Lower Deck Stringer Plate, breadth and thickness 24 6 24 6

Angles on ditto, No. 24 6 24 6

Tie Plates, outside Hatchways 24 6 24 6

Deck* Material and thickness 24 6 24 6

Hold Stringer Plate 24 6 24 6

Angles on ditto, No. 24 6 24 6

Poop Deck Stringer Plate, breadth & thickness 24 6 24 6

Angle on ditto 24 6 24 6

Tie Plates 24 6 24 6

Deck, Material and thickness 24 6 24 6

Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness 24 6 24 6

Angle on ditto 24 6 24 6

Tie Plates 24 6 24 6

Deck, Material and thickness 24 6 24 6

Forecastle Deck Stringer Plate, brdth & thcknss 24 6 24 6

Angle on ditto 24 6 24 6

Tie Plates 24 6 24 6

Deck, Material and thickness 24 6 24 6

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

BULKHEADS.

Number, Thickness, Horizontal, Vertical, Single or Double Frames, Height up.

In Vessel, Per Rule, 3 1/2 x 3 1/2 7 1/2 4 1/2 4 1/2

W.T. BULKHEADS 5 4 6 5 3 1/2 x 3 1/2 7 1/2 4 1/2 4 1/2

PARTITION 19 7 19 7

LONGITUDINAL 19 7 19 7

Are the outside Plates doubled two spaces of Frames in length? Yes

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

PLATING. RIVETING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Double or Treble and for what Length. Rivets. Straps. IF LAPPED. Flat Plate Keel. Garboard or A Strake. B. C. D. E. F. G. H. J. K. L. M. N. O. P. Doubling of Flat Plate Keel. Length and thickness of Bilges. Length and thickness of Sheerstrakes. Length of Strake below. POOP SIDES. RAISED QUARTER DECK SIDES. BRIDGE SIDES. FORECASTLE SIDES. LENGTHS OF PLATING.

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.? Mild Steel. Consitt, Palmers, Dorman Long. Main Stringer Plate. Butts, treble riveted for half length amidship. Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? 3 or 4. Inner Bottom Plating, riveting of Edges. Butts. Centre Girder Butts, riveted. Keelson Butts, Treble riveted. Frames, riveted through Plates with 2 1/2 in. Rivets, about 5 apart. Rivets, state whether of Iron or Steel Iron.

FRAMES extend in one length from centre to deck. state if ordinary or joggled Ordinary. REVERSED FRAMES on floors and frames extend from centre to side stringer and deck alternately state if ordinary or joggled Ordinary.

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

Equipment No. 10155 Letter i. Tonnage U.Dk. or Plating No. for Trawlers. ANCHORS. Number of Certificate. Anchors. WEIGHT, EX STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 22. Description of Anchor. Makers. Where and when tested and Superintendent. 1st Bower. 2nd. 3rd. Collective weight. Stream. Kedg.

CHAIN CABLES. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length & Size per Table 22. 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 22. Length. Cir. Fathoms. Ins. Tons. Length. Cir. Fathoms. Ins. HAWERS AND WARPS. Length and size supplied. Breaking Test of Steel Wire Towline. Length and size per Table 22. Length. Cir. Fathoms. Ins. Tons. Length. Cir. Fathoms. Ins.

Boats. One Lifeboat and one other. Pumps, Number 1. Diameter of Barrel 5. State whether they are in efficient working order Yes. Windlass is. Two Moving Winches. Capstan. Engine Room Skylights. How constructed? None. Deck House over Engine openings. What arrangements for deadlights in bad weather? Coal Bunker Openings. How constructed? Bull angles. How are lids secured? Bolted down. Height above deck? 9. Number of Scuppers, and number and dimensions of Freeing Ports, &c. On each side, 5 Scuppers. No freeing ports. Ceiling in Holds, thickness and material. Cargo Battens, thickness and material. Cargo Hatchways. How formed? Bull angles. Hatches. If strong and efficient? Yes 2 1/2. State size No. 1 Hatch (Forward) 5-6 x 4-0. No. 2 Hatch. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch. No. of Breasthooks. No. of Crutches. Bulwarks, height above deck and description. Handrails and stanchions. Main Rail and Stays, material and size. The above is a correct description. Surveyor's Signature. Builder's Signature (here only). SHIPBUILDING & ENGINEERING CO. LIMITED. F. J. Talbot Secretary.

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

Workmanship. Are the butts of plating planed or otherwise fitted? Planed
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? 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. 23, par 24)? Yes
State results of tests Satisfactory
Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes
State results of tests Satisfactory

General Remarks (State quality of workmanship, &c.) Workmanship good
This vessel has been built in accordance with the approved plans, the Secretary's letter of the above dates, and in general conformity to the Rules for the class contemplated.
To complete the Special Survey the dredging machinery has to be fitted and additional pillars to the deck beams fitted in way of this machinery, their position to be determined when the machinery is in place. The equipment to be completed viz: 45 fathoms of 5 1/2" Hemp or 2 3/4" Steel wire, and 90 fathoms of 6" Manila hawsers to be supplied. The Builders have placed temporary lines on board for the voyage to Kinderdijk.
The vessel has sailed for Kinderdijk, Holland, in order to have the dredging machinery fitted on board at the works of Mepp. J. & K. Smith, Scheepswerven.
A certificate in regard to the fitness of the vessel to make this voyage was issued to the Builders, a copy of the same is forwarded herewith.
The approved plans (2) are forwarded herewith, together with Report on ship's fittings
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. or Break ✓ ft., Bridge Dk. ✓ ft., F'castle ✓ ft.
(in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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 it should appear in the Register Book) 1 Dk.
Official No. ✓ ; Signal Letters ✓
State if Machinery is fitted aft Yes
How are the surfaces preserved from oxidation? Inside Portland 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, ✓ (Two)	Each	28
Double bottom, under Engines and Boilers, ✓			After peak tank, ✓		
Double bottom, if under Engines only, ✓			Deep tank, aft ✓	Total	56
Double bottom, if under Boilers only, ✓			Deep tank, forward ✓		
Double bottom, forward, ✓			Other tanks, if fitted, ✓		

Total capacity of double bottom ✓
(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. 1774
Date 15/12/08
No. 558 in builder's yard
Dates of Surveys held while building
1909: Jan 25, 26, Feb 1, 8, 11, 16, 25, 26, Mar 5, 6, 11, 15, 29, 31, Apr 5, 8, 14, 21, 24
May 3, 6, 8, 10, 11, 12, 14, 17, 19, 20, 21.
Total No. of Visits 30

The amount of Entry Fee£ 3 : 0 : 0
Special.....£ 30 : 4 : 0
Travelling Expenses, if any £ ✓
Fees applied for, 25.5.1909
Received by me, 4.6.1909
Certificate to be sent to Hull
State whether the Vessel has been built under Special Survey Yes.
I am of opinion this Vessel should be Classed 100 A1 "Dredger"
With, or without Freeboard, as condition of Class Without.
Allison B. Wilson
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned
TUES 31 AUG 1909
100 A1
Dredger
Lloyd's atcl
Hull 5.09
W 1643-5198 2/2

The Surveyors are requested not to write on or below the Committee's Minute.

