

STEEL STEAMER or MOTORSHIP.

Received at London Office 30 APR 1929

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

Port of

No. 39815.

Survey held at

Date First Survey

8 Nov/28 Last Survey

22 April 1929.

On the

(State if Machinery fitted Aft and
if Single, Twin or Triple Screw) Steel Single Screw Ketch "Perihelion"

(Incl. aft.)

State Type

(Full Scantling, Complete Superstructure
with or without Tonnage Openings)

Full Scantling

State Type of Erections R. Q. Dk. & Ice.

TONNAGE under
Tonnage Deck...

313.98

CLASS +100A1

State if with freeboard

FEET.

Built at

Selby

Launched

Feb 12th 1929

Yard No. 10143

Builders

Cochrane & Sons. Ltd.

Owners

The Perihelion Steam Fishing
Co. Ltd.

Managers

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

Residence

Port of Registry

Grimsby

If surveyed while building, afloat, or in dry dock

while building & afloat.

Do. of space or spaces
between Tonnage Dk.
and Upper Dk.

Total

313.98

Gross Tonnage

338.53

Register Tonnage

145.86

REGISTERED DIMENSIONS.

FEET.

Length

140.3

Breadth

24.0

Depth

13.30

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a)

L 140'-0"

Breadth (greatest moulded)

B 23'-10 1/2"

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)

D 14'-0"

1st Longitudinal Number (L x D)

= 1960

2nd Numeral L x (B + D)

= 5302

Framing Depth "d," at middle of length. See
Sec. 3 (1d)

12.42

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

10.00

Do. Long Bridge to top
of keel

Draught Moulded

12-10 3/4

FRAMES, DOUBLE BOTTOM AND BEAMS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|-------------------------------------|--|---|-----------------|--|
| ES, Spacing amidships | 20 x 21 | | Bracket Floors, Frame | | |
| " from length to Collision bulkhead | 17 | | " " Reversed Frame | | |
| " in peaks | 17 | | " " Vertical Struts | | |
| FRAMING. | | | Centre Girder, depth and thickness amidships | | |
| me Amidships, Angle, E or F | 4 1/2 3 8/20 | | " " top Angles | | |
| " Extends up to | deck | | " " bottom Angles | | |
| Reversed Frame Amidships, Angle | 3 3 3/8 | | Side Girders, No. each side and thickness | | |
| " Extends up to | across floors | | Margin Plate depth (excl. of flange) and thickness | | |
| Depth of Framing Girder | 4 1/2 | | " " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem | | |
| Angles in Uppermost Continuous 'tween Decks, Angle, E or F | ✓ | | " " Vertical Angle to Tank side Bracket forward 1/4 len. from stem | | |
| " Second 'tween Decks, Angle, E or F | ✓ | | " " Gussets, spacing and scantling abaft 1/4 len. from stem | | |
| " Third " " " | ✓ | | " " Gussets, spacing and scantling forward 1/4 len. from stem | | |
| aming in Peaks, Angle | 4 1/2 3 8/20 | | Tank Side Brackets, height above base line at toe of Frame and thickness | | |
| iameter and Spacing of Rivets through Frame and Shell Plating amid- ships | 3/4 5/4 | | INNER BOTTOM PLATING. | | |
| ate if Frame Joggled | no | | Breadth and thickness of Middle Line Strake | | |
| TING ARRANGEMENTS (Sec. 12, state system and particulars) | Closer framing midship Bantlings | | Thickness of remainder in Holds | | |
| LENGTHENING OF BOTTOM FOR- WARD. State Particulars | 15' Strips + Close riveting | | 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? | | |
| GLE BOTTOM. | | | BEAMS. | | |
| loors, Depth and thickness at mid-line in Holds | 17 .36 | | Uppermost Continuous Deck, amidships in Wells, Angle, E or F | 6 3 .375 | |
| Height of Brackets at side above base line at toe of frame | none | | " " in way of Bridge, Angle, E or F | ✓ | |
| iddle Line Keelson, on Floors, Angles | 12 x 4 x 4 3/4 | | Spacing | Alternate | |
| " " Through Plate or Intercoastal Plate | ✓ | | Second Deck, amidships, Angle, E or F | ✓ | |
| " " Foundation Plate on Floors | ✓ | | Spacing | | |
| " " Flat Plate Keel Angles | ✓ | | Third Deck, amidships, Angle, E or F | ✓ | |
| Side Keelsons, No. each side | one | | Spacing | | |
| " thickness of Intercoastal Plate | | | Fourth Deck, amidships, Angle, E or F | ✓ | |
| " Angles | 5 1/4 7/16 | | Spacing | | |
| DOUBLE BOTTOM. | | | Poop Deck, Angle, E or F | ✓ | |
| Solid Floors, thickness and spacing | | | Spacing | | |
| " Are Frame and Reversed Frame joggled? | | | Bridge Deck, Angle, E or F | ✓ | |
| Bracket Floors, breadth and thickness at middle line | | | Spacing | | |
| " breadth and thickness at margin plate | | | Forecastle Deck, Angle, E or F | 4 3 .38 | |
| | | | Spacing | 27 | |

PILLARS AND DECKS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|----------------------------|--|---|-----------------|--|
| PILLARS , No. of Rows..... | <i>one</i> | | Stringer Plate, breadth and thickness in way of Bridge | | |
| " in 'tween Decks, Size and Spacing..... | ✓ | | Thickness of Plating abreast Deck openings) in way of Wells | | |
| " " " " " " | | | Thickness of Plating abreast Deck openings) in way of Bridge | | |
| " in Holds " " | <i>2 3/4" dia</i> | | Thickness of Plating within line of openings... | | |
| " " " " " " | <i>6 Feet arrangements</i> | | If Sheathed, material and thickness | | |
| Centre Line Bulkhead. | | | Third Deck. | | |
| Stiffeners and Spacing..... | ✓ | | Stringer Plate, breadth and thickness..... | | |
| Plating, thickness of | ✓ | | If Plated, state thickness..... | | |
| STRINGERS AND DECKS. | | | Fourth Deck. | | |
| Uppermost Continuous Deck. | | | Stringer Plate, breadth and thickness..... | | |
| Stringer Plate, breadth and thickness in Wells | <i>30" x 36" x .32"</i> | | If Plated, state thickness | | |
| " " " " in way of Bridge | ✓ | | Poop Deck. | | |
| " Angle in Wells | <i>3 3 6/16</i> | | Stringer Plate, breadth and thickness | | |
| Thickness of Plating abreast Deck openings) in way of Wells | <i>10 6/16</i> | | Plating, Sheathing, material and thickness ... | | |
| Thickness of Plating abreast Deck openings) in way of Bridge | ✓ | | Bridge Deck. | | |
| Thickness of Plating within line of openings... | <i>31 x 30</i> | | Stringer Plate, breadth and thickness..... | | |
| If Sheathed, material and thickness | <i>5 x 3 P.P.</i> | | Plating, Sheathing, material and thickness ... | | |
| Second Deck. | | | Forecastle Deck. | | |
| Stringer Plate, breadth and thickness in Wells... | ✓ | | Stringer Plate, breadth and thickness | <i>30</i> | |
| | | | Plating, Sheathing, material and thickness ... | <i>26</i> | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | |
|-------------------------------------|---------------|------------|------------|------------|--|-----------------------------|---------|-----------------------|---------------------------|---------|-----------------------|------------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. State if joggled? | | | BUTTS. | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | SINGLE OR DOUBLE. | RIVETS. | | NO. OF ROWS OF RIVETS. | RIVETS. | | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | Diam. | Spacing or, to or. | | Diam. | Spacing or, to or. | |
| | Inches. | Inches. | Inches. | Inches. | | | Inches. | Inches. | | Inches. | Inches. | |
| Garboards | | 7/16 | 8/20 | 8/20 | | double | 3/4 | 3 to 3 1/2 | two | 3/4 | 2 7/8 | Strapped |
| Flat Plate Keel | | | | | | | | | | | | |
| " DBLG. (if any) | | | ✓ | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes | 2 | 6/16 | 6/16 | 6/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | Lapped |
| BILGE PLATING, No. of Strakes | 1 | 6/16 | 6/16 | 6/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | Strapped |
| SIDE PLATING, No. of Strakes | 1 | 7/16 | 6/16 | 6/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | Lapped |
| UPPER DECK, Sheer-strake in Wells | 1 | 8/16 | 7/16 | 7/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | Strapped |
| UPPER DECK, Sheer-strake in Bridge | | | ✓ | | | | | | | | | |
| STRAKE BELOW Sheer-strake in Wells | 1 | 6/16 | 6/16 | 6/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | Strapped |
| STRAKE BELOW Sheer-strake in Bridge | | | ✓ | | | | | | | | | |
| POOP SIDE PLATING | | | ✓ | | | | | | | | | |
| BRIDGE SIDE PLATING | | | ✓ | | | | | | | | | |
| FOREC'TLE SIDE PLATING | | | 3/8 | | | single | ✓ | ✓ | one | ✓ | ✓ | Strapped |

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 4

„ Deck next below ✓

As per Rule 3

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|--|---------------------|----------------|----------------|--|
| KEEL, Bar | Rolled | 7 1/2 x 1 1/2 | Consett I. Co. | |
| STEM | " | " | " | |
| STERN FRAME { | Forging | 6 x 3 1/2 | Forster | |
| Propeller Post | " | " | " | |
| Rudder " | " | " | " | |
| RUDDER—A x D | | 8 1/2 x 5 | | |
| Speed of Vessel | | 10 knots | | |
| RUDDER mainpiece at head ... | " | 5 x 4 1/2 | Forster | |
| " " heel ... | " | 3 1/2 x 3 | " | |
| " " how constructed | | forged & built | | |
| " " double or single plate | | double .28 | | |
| " " coupling, vertical or horizontal | | none | | |

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth process.*
To Durham S & I Co. Ltd.; Consett I. Co. Ltd.; D. Long & Co. Ltd;
Cargo Fleet I. Co. Ltd.; Bolckow Vaughan & Co. Ltd.
 Has the Steel been tested as required by the Rules? *yes.*

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 — P.C.K. Larwood Hull First Entry report No. 39795.

The approved plans are in the London Office.

The following are enclosed herewith:—

Midship Section
Profile + Deck
Faring Reports (2)
Steel Invoices.

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

1st Bower 5.0.15; K.H; 4776; 25/7/29.
2nd „
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 77 ft., Bridge ☒ ft., Forecastle 21.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 12K (pt. Ste.)

Official No. 160969 ; Signal Letters
particulars of composition

Is bottom of Vessel coated with cement Yes if not give

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | | | Fore peak tank, | | |
| 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, | | |
| Total capacity of double bottom | | | (If necessary, furnish further information by sketch.) | | |

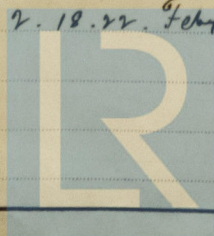
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 9885

Date 21.10.28

Dates of Surveys held while building

1928. Nov 8. 27. Dec 10. 20. 1929. Jan 2. 18. 22. Feb 1. 4. 11. 20. Mar 1. 21. 28
Apr 15. 22.



Lloyd's Register
Foundation
Total No. of Visits 16