

STEEL STEAMER ~~or MOTORSHIP~~

Received at London Office 3 DEC 1929

State if Report has been sent on the Freeboard of the Vessel *ho*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

2nd Dec. 1929

Port of

HULL

No.

40401

Survey held at

Beverley & Hull

Date First Survey

14 August

Last Survey

29 Novr. 1929

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Single screw Ketch "CASSIO"**having machinery aft*

State Type

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

Steam trawler

State Type of Erections

Re & Dk.

TONNAGE under

353.60

CLASS

100 A1

State if with freeboard as condition of Class

No

Built at

Beverley

Launched

*21-10-29*Yard No. *530*

Builders

Cook, Welton & Gemmell, Ltd.

Owners

Hull Northern Fishing Co.

Managers

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

Residence

Hull, St. Andrews, Str.

Port of Registry

Hull.

If surveyed while building, afloat, or in dry dock

B. & A.

space or spaces between Tonnage Dk. Upper Dk.

353.60

Tonnage

380.02

Net Tonnage

142.85

REGISTERED DIMENSIONS. FEET.

Length

140.9

Breadth

25.5

Depth

*14.15*Length from fore part of stem to after part of stern post on ~~main~~ L.W.L. See Sec. 3 (1a)*140.5*

Breadth (greatest moulded)

25.37

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

15.00

1st Longitudinal Number (L x D)

2107

2nd Numerical L x (B + D)

5673

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

9.36

Proportions—Depth to Length—Uppermost continuous deck to top of keel

9.36

Do. Long Bridge to top of keel

9.36

Draught Moulded

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.
FRAMES, Spacing amidships	18 19 20		Bracket Floors, Frame	
" " from length to Collision bulkhead	17 18 20		" " Reversed Frame	
" " in peaks	17 18 20		" " Vertical Struts	
FRAMING.			Centre Girder, depth and thickness amidships	
Frame Amidships, Angle, E or F	5 3 40		" " top Angles	
" " Extends up to	deck		" " bottom Angles	
Reversed Frame Amidships, Angle	3 3 38		Side Girders, No. each side and thickness	
" " Extends up to	across floors		Margin Plate depth (excl. of flange) and thickness	
Depth of Framing Girder	Where no cement.		" " Vertical Angle to Tank side	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			Bracket abaft 1/2 len. from stem	
" " Second 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side	
" " Third " " "			Bracket forward 1/2 len. from stem	
Framing in Peaks, Angle, E or F	5 3 40		Gussets, spacing and scantling abaft 1/2 len. from stem	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5/4		" " Gussets, spacing and scantling forward 1/2 len. from stem	
State if Frame Joggled	No		Tank Side Brackets, height above base line at toe of Frame and thickness	
FRAMING ARRANGEMENTS (Sec. 7, state system and particulars)	Closer frame spacing & rivetting. Lower deck stringers, beams, etc.		INNER BOTTOM PLATING.	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Breadth and thickness of Middle Line Strake	
ANGLE BOTTOM.			Thickness of remainder in Holds	
Floors, Depth and thickness at mid-line in Holds	18 38		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?	
Height of Brackets at side above base line at toe of frame	Flat topped		BEAMS.	
Middle Line Keelson, on Floors, Angles, E or F	15 4 5/8		Uppermost Continuous Deck, amidships	6 3 20
" " Through Plate or Intercoastal Plate			" " in Way, Angle, E or F	
" " Foundation Plate on Floors			" " in way of Bridge, Angle, E or F	
" " Flat Plate Keel Angles			Spacing	alternate frames
Side Keelsons, No. each side	5 4 42		Second Deck, amidships, Angle, E or F	
" " thickness of Intercoastal Plate			Spacing	
" " Angle	5 4 8/20		Third Deck, amidships, Angle, E or F	
DOUBLE BOTTOM.			Spacing	
Solid Floors, thickness and spacing			Fourth Deck, amidships, Angle, E or F	
" " Are Frame and Reversed Frame joggled?			Spacing	
Bracket Floors, breadth and thickness at middle line			Poop Deck, Angle, E or F	
" " breadth and thickness at margin plate			Spacing	
			Bridge Deck, Angle, E or F	
			Spacing	
			Forecastle Deck, Angle, E or F	4 3 40
			Spacing	30

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.....	1		Stringer Plate, breadth and thickness in way of Bridge			
"	between Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells			
"	" " "			Thickness of Plating abreast Deck openings in way of Bridge			
"	" Holds " " "			Thickness of Plating within line of openings..			
"	" " " " "			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		30	38	If Plated, state thickness			
" " " " , in way of Bridge		✓		Poop Deck.			
" Angle in Wells		3	3 38	Stringer Plate, breadth and thickness			
TIE				Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings) in way of Wells		11	38	Bridge Deck.			
Thickness of Plating abreast Deck openings) in way of Bridge E & B		31	4 38	Stringer Plate, breadth and thickness.....			
Thickness of Plating within line of openings...		31	4 43	Plating, Sheathing, material and thickness ...			
If Sheathed, material and thickness		3	A.P.	Forecastle Deck.			
Second Deck.				Stringer Plate, breadth and thickness.....		31	
Stringer Plate, breadth and thickness in Wells...		✓		Plating, Sheathing, material and thickness ...		31	

[illegible]

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c)		14	
" " Deck next below		✓	
As per Rule		03	
		STIFFENERS.	
Plating Thickness.	VERTICAL.		HORIZONTAL.
	Scantlings, Spacing.	Scantlings	Spacing.
MIDSHIP BULKHEAD, Upper tween decks			
" "	Second		
" "	Third		
" "	Holds		
COLLISION " (in Hold)			
AFTER PEAK " "			
		b.a.	
		• 30	6-3-34 30 ✓
		"	" 24 ✓
		5/16	26 5-3-40 24 ✓

	Casting or Forging.	Scanlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		rolled	8 x 2	Hoddingham
STEM		"	"	"
STERN FRAME {	Propeller Post	F.L. 1.	6 1/2 x 3 3/4	Forster
	Rudder	"	"	"
RUDDER—A x D		46.53 x 2.2 =	102.36	
Speed of Vessel		under	12 1/4.	
RUDDER mainpiece at head		F.L. 1m 6	Forster	
" " heel		"	4 1/2 x 3	"
" " how constructed		Stock, Bow	Stems in one piece	
" " double or single plate			.30	
" " coupling, vertical or			none	
" " horizontal				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth Steel.*
Conssett & Co., Ltd., Appleby & Co., Ltd., Cargo Fleet & Co., Ltd., Dorman, Long &
Co., Ltd., Frodingham & S. Co., Ltd., Moleknow, Vaughan & Co., Ltd.
Has the Steel been tested as required by the Rules? *yes.*

EQUIPMENT No. 5673										LETTER 97 ✓		ANCHORS.						
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.		Cwts.								
62801	1st Bower ...	9	3 0					11	15 3 14	9 1/2	Breadweight	Taylor Tipton		Secord		15-10-29		
62802	2nd " ...	9	2 21			"		11	13 1 21	9 1/2		"	"	"	"	"	"	"
	3rd " ...																	
	Collective weight.																	
62683	Stream	3	2 12			3	20	6	0 3 21	3 1/2	Rodger	"	"	Dwydale	14-9-29			

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table No.		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.	
	Length.	Diam.	Status.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Owts. qrs. lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
65067	120 $\frac{3}{16}$	25 $\frac{3}{8}$	38		88-2-21	84-0-27	120	1 $\frac{3}{16}$	Stud Links	J. Taylor & Sons.	Tipton 28-10-89	TOWLINE	60	6		60	6
												HAWSEES & WARPS	60	5		60	5
Iron Steam Chain or Steel Wire	✓	Cir.						Cir.				"	✓				

Steering Gear, Steam *Tammell & Sons's Steam & Hand* Steering Gear, Hand *Miller Relieving tackles.*

Boats *1 wooden cutter* Steering Chains, Size and Test *7/8"* Windlass *C.P. Comb'd. Ste. & Ha.*

Ceiling in Holds, thickness and material *3" Oak & P.P.* Cargo Battens, thickness, material and spacing *P.P. close lined*

Cargo Hatchways.—(Upper Deck) *steel plate coaming* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *2'4" x 3'-1"* No. 2 *3'4" x 3'-5"* No. 3 *3'4" x 3'-5"* No. 4 *3'4" x 3'-5"* No. 5 *3'4" x 3'-5"* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *none.*

Builder's Signature Alexander
Secretary & Directors

forged open barrel iron steel
 " " " " " "
 forged of an iron " " " " " "

The amount of Entry Fee £ 3 : 0 : 0 Fees applied for Dec 19 19 19
 Special Survey Fee.... £ 38 : 0 : 0 Received by me, 14.1.30
 Travelling Expenses, if any £ : 8 : 8
 State whether the Vessel has been built under Special Survey yes
 Certificate to be sent to Unit Date of issue 13/1/30
 I am of opinion the Vessel should be Classed 100 A1
Steam Trawler
 Signature P. Demarest
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 6 DEC 1929
Character assigned + 100771 Steam Trawler

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 Plans should be embodied.)

This Hawker has been built in accordance with the approved plans, with the Secretary's Letters and, otherwise, with the Society's Rules. The material and workmanship are satisfactory. The launch of this vessel was witnessed and appeared to be satisfactory.

The two peak tanks, the W.T. flat, decks, gutterways, Casings and hand pumps have been tested.

The approved plans are —
Midship Section — Profile & Deck.
Stem Frame & Rudder — Pumping Arrangement

Sisters are —
No. 528. Orion — Hull Report No. 40332
No. 529. Orsino — " " " — 40374

The approved plans are still in the London Office —

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

1st Bower Forged open hearth ingot steel.
2nd " " " " "
3rd " Wrought iron.

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 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) 12th

Official No. 160870; Signal Letters. Is bottom of Vessel coated with cement ☒ yes if not give particulars of composition.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		6
Double bottom, under Engines and Boilers,			After peak tank,		10
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. 2918

Date 14 June 1929.

Dates of Surveys held while building

1929. Aug 14. 23. 29. Sept 4. 13. 18. 25. Oct 3. 9. 18. 19. 21. 24. 25. 30.
Nov 1. 20. 26. 27. 29.

Total No. of Visits 21.

Lloyd's Register Foundation

For S.O.F. please see ss. Orion, FE Rpt 1929.