With or Without Disconnected Erections.

STEEL STEAMER.

MON. 18 FEB. 1918

Received at London Office

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

Date of completion of report 12-2-18 Port of Hull No. 30,386

Survey held at Selby & Hull Date, First Survey 3-9-17 Last Survey 11-2- 1918

On the (State if Single, ~~Twin, or Triple~~ Screw) Trawler "Thomas Thresher" Rig Ketch

TONNAGE under Tonnage Deck	287.70
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	
Do. of Poop	
Do. of R.Q.Dk.	14.03
Do. of Bridge House	5.87
Do. of Forecastle & SIDE HOUSES	1.05
Do. of Houses on Dk.	
Do. of excess of Hatchways	
Do. above Crown of Engine Room	12.42
Gross Tonnage	324.34
Less Crew Space	23.20
Less above Crown of Engine Room	12.42
TONNAGE FOR FEES	288.45
Less Engine Room	160.77
Less Navigation Spaces	8.87
Register Tonnage (Bs cut on Beam)	131.53

CLASS +100 A1. STEAM TRAWLER

	FEET.
Breadth (*greatest moulded*)	28.62
Depth, *at middle of length from top of keel to top of upper deck beams at side*	13.50
Transverse Number	34.12
Length *on deck from fore part of stem to after part of stern post*	138.33
Longitudinal Number	5134.8
Depth "d," *at middle of length (See Secs. 2 & 13)*	12.16.
Proportions—*Depths to Length—Upper Deck Beam at side to top of keel*	10.24
" " *Long Bridge Deck Beam at side to top of keel*	✓

Master ✓

Year of appointment (1) *As Master in service of owner of present vessel:*—191 (2) *As Master of this vessel* 191

Built at Selby

When built 1918 Launched 14-11-14

By whom built Cochrane & Sons Ltd

Owners Admiralty

Managers ✓ (*Where necessary to be entered in Reg. Book.*)

Residence ✓

Port belonging to ✓

Destined Voyage Admiralty Service If Surveyed while Building, Afloat, or in Dry Dock yes

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
LENGTH on Deck as per Rule	138	4	**BREADTH**—Moulded	23	7½	**DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams	12	10	No. of Decks with flat laid one
						Do. do. do. do. Second Dk. Beams	✓	✓	No. of Tiers of Beams one

Dimensions of Ship per Register, Length 138·5 breadth 23·75 depth 12·8. Moulded depth, ft. ✓ ins. ✓ To Bridge Dk. Moulded depth, ft. 13 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 8 ins.

FRAMING.

	Inches in Ship.	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule as Approved.	Inches per Rule Approved.
FRAME, Angles, ~~or L or L~~ Bars amidships	4½	3	·40	4½	3	·40
Do. in peaks	4½	3 ✓	·40	4½	3	·40
Do. in way of Double Bottoms at Solid Floors						
" " at intermdt. Bkts.				✓		
Spacing of Frames from centre to centre amidships			19 To 21			
" " " " from ⅜ length to Collision bulkhead			See Profile			
" " " " in peaks						
REVERSED FRAME, Angles	2½	2½ ✓	·25	2½	2½	·25
Do. in way of Double Bottoms at Solid Floors	Double in E & B. Spaces					
" " at intermdt. Bkts.						
FRAMING, depth of girder						
FLOORS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships	16		·34	16		·34
" in way of Engine and Boiler Spaces	E·50, B·43			E·50. B·43		
" thickness at the ends of vessel			·31			·31
" depth at ¾ the half breadth, as per Rule						
" height extended at the Bilges	Straight across					
FLOORS in **Cell. Double Bottoms**						
" state if flanged (top & bottom)						
" Spacing of Solid floors						
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.						
" " Angles, Top						
" " " Bottom						
" " " to Floors						
" Brackets at intermdt. frmg., wdth & thknss						
SIDE GIRDERS, number on each side & thickness						
" " state if flanged (top and bottom)						
" " Angles (top and bottom)						
" " " to Floors						
MARGIN PLATE, depth (exclusive of flange) and thickness						
" " Angle to Outside Plating						
" " " Floors						
" Brackets at intermdt. frmg., wdth & thknss						
" Height of Outside Brackets above at bilge						
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**						
" " " in Engine and Boiler space						
" " " Remainder in Holds						
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	5	3	·50	5	3	·50
" ~~In way of Long Bridge~~						
" Spacing	Alternate Frames					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Spacing						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Forecastle Deck, Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	4	3	·30	4	3	·30
" ~~Angles on upper edge~~						
" Spacing		40			40	

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS, In 'tween Deck, size and spacing				
" " **Hold** " "				
" **Quarter 'tween Dks.,** " "		2 5/8" & 3"		
" " **in Hold** " "		As arranged		

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule as Approved.	Inches per Rule Approved.
CENTRE LINE KEELSON, Vertical Plate (BULB) above floors, ~~Through Plate, or Intercostal Plate~~	7½	✓	·43	7½		·43
" ~~Rider Plate~~						
" Flat Plate Keel Angles						
" Horizontal Plates on Floors		✓				
" Angles ~~or Bulb Angles~~ DOUBLE	5	3	·43	5	3	·43
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for ... length						
" Intercostal Plate, for ... length						
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles	5	4	·50	5	4	·50
" Intercostal Plate for ... length						
" Attached to outside Plating with Angle						
SIDE STRINGERS, Number Not fitted M. 31-7-14.						
" " Angle						
" Intercostal Plate, for ... length						
" Attached to outside plating with Angle						
Upper Deck Stringer Plate, br'dth & thickness ~~(clear of Bridge)~~	50-30		·31	50-30		·31
" " " " ~~br'dth & thickness (in way of Bridge)~~						
" " " Angle ~~(clear of Bridge)~~	3X3 ✓		·34	3X3		·34
" " Tie Plate at sides of Hatchways	8 ✓		·34	8		·34
" Deck.* Iron or Steel, for E & B. lng.			·35			·35
" " Thickness (clear of Bridge)						
" " " (in way of Bridge)						
" Wood Deck. Material & thickness P.P.	5X3			5X3		
Second Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck.* Iron or Steel, for ... lng.						
" Wood Deck. Material & thickness						
Third Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck.* Material and thickness						
Fourth and Fifth Deck Stringer Plate, breadth & thickness						
" " " Angles on ditto, No.						
" " " Tie Plates outside Hatchways						
" " Deck. Material & thickness						
Poop Deck Stringer Plate, breadth & thickness						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						
Forecastle Deck Stringer Plate, b'dth & th'kns WHALE BACK.		·31 ✓				·31
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness STEEL		·25				·25

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

Form No. 1A.—1m,9,15. T.

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
WEB-FRAMES, In E. & B. Space, No. & spacing				
,, ,, ,, brdth. & thickness				
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**				
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness BULB	7½x1⅝	7½x1⅝
STEM, moulding and thickness	7½x1⅝	7½x1⅝
STERN-POST for Rudder do. do.	6x3¼	6x3¼
,, for Propeller	6x3¼	6x3¼
RUDDER—A×D* Table 22. Speed UNDER 10 KNOTS	63·8	63·8
,, **Main-Piece,** diameter at head	4½	4½
,, ,, ,, at heel	3½x3	3½x3

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	STIFFENERS. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck.
W.T.BULKHEADS	4	3							
FRAME 49	NO	1	·28-·26			4x3x·4	24	SINGLE	DECK
" 46	"	3	"			5½x3x36	30	"	"
" 65	"	4	·28			4x3x40	24	"	W.T.FLAT
" 73	"	"	·26			3½x2½x33	30	"	DECK
,, **COLLISION** ,,	"	2	·28-·26			6x3x·44	24	"	"
PARTITION ,,									
LONGITUDINAL ,,									

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

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

RUDDER, how constructed Forged

,, Thickness of Plates or Single Plate ·26

Can the Rudder be unshipped afloat? yes

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, Plating, &c.?

South Durham Steel & Iron Co. Ltd
Consett Iron Coy. Ltd.
Dorman Long & Co. Ltd

Has the Steel been tested as required by the Rules? yes.

PLATING.

STRAKES.	AS IN SHIP. AMIDSHIP. Breadth. Inches.	AMIDSHIP. Thickness. Inches.	FORWARD. Thickness. Inches.	AFT. Thickness. Inches.	PER RULE OR AS APPROVED. AMIDSHIP. Breadth. Inches.	Thickness. Inches.
FLAT PLATE KEEL (U bar Keel, state Riveting)						
GARBOARD or A Strake	32	·43 ✓	·34 ✓	·34 ✓	32	·43
B ,,		·34 ✓	·34 ✓	·34 ✓		·34
C ,,		·34 ✓	·34 ✓	·34 ✓		·34
D ,,		·40 ✓	·40 ✓	·40 ✓		·40
E ,,		·43 ✓	·34 ✓	·34 ✓		·43
F ,,		·40 ✓	·40 ✓	·40 ✓		·40
G ,,	36	·62 ✓	·50 ✓	·50 ✓	36	·62
H ,,						
J ,,						
K ,,						
L ,,						
M ,,						
N ,,						
O ,,						
P ,,						
Q ,,						
R ,,						
S ,,						
T ,,						
U ,,						
V ,,						
W ,,						
THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE						
DO. OF STRAKE BELOW						
DBLG. of Flat Plate Keel						
,, Sheerstrakes *Length and thickness.*						
POOP SIDES						
SHORT BRIDGE SIDES						
FORECASTLE SIDES		·31				

Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letters.

RIVETING.

LIPPER EDGES Ordinary or Joggled? ORDINARY

Single or Double.	Breadth of Lap. Inches.	RIVETS. Diam. Inches.	RIVETS. Spacing or, to or. Inches.	BUTTS. Double or Treble and for what Length.	RIVETS. Diam. Inches.	RIVETS. Spacing or, to or. Inches.	STRAPS. Breadth. Inches.	STRAPS. Thickness. Inches.	IF LAPPED. Breadth. Inches.	IF LAPPED. For what Length. Feet.
		1	5	GARBOARD TO KEEL						
OR	4½	¾	3⅓	DR. FULL	¾	2⅝	9¾	·54 ✓		Full
"	"	"	"	"	"	"			5	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"	9¾	·48	"	"

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

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

Second Deck Stringer Plate { **Butts,** ✓ riveted for ✓ length amidship. **Straps,** single or overlapped for ✓ length amidship.

Butts of Side Stringers Treble riveted.
,, **Tie Plates** Double riveted.
Inner Bottom Plating, riveting of **Edges** ✓ **Butts** ✓
Centre Girder Butts, Treble riveted. **Keelson Butts,** Treble riveted.
Frames, riveted through Plates with ¾ in. Rivets, about 5¼ apart.
Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from keel to deck. State if ordinary or joggled ordinary
REVERSED FRAMES on floors and frames extend from Bilge to Bilge. 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.	ANGLES. Size.	RIVETING. Seams.	RIVETING. Butts.
LOWER MASTS. Fore	Larch	35'-6"	14"								
Main											
Mizen	Steel	34'-6"	12"								
Bowsprit											

Topmasts, Yards and Remainder of **Spars** Larch

Rigging, Material and Size, **Shrouds** Galvd Steel Wire **Stays** Galvd steel wire

Sails. One Suit of Canvas Sails, and the following spare sails None.

Form No. 1A.

EQUIPMENT No. ✓ LETTER ✓ . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS 5134·8.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK. Cwts.	qrs.	lbs.	WEIGHT OF STOCK Cwts.	qrs.	lbs.	TEST, PER CERTIFICATE. Tons.	cwts.	qrs.	lbs.	WEIGHT REQUIRED BY TABLE 31. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
48461	1st Bower ...	9	-	14				11	4	2	21	8	-	-	Stockless	Wright & Co.	Tipton 14-7-17. C.E. Perkins
25152	2nd ,, ...	7	1	12				9	11	2	7	7	1	-		Bradley Bath 21-4-17. F.E. Paul	
48435	3rd ,, ...	3	1	5	3	23		5	14	1	14	3	1	-	Iron stock	John Green	Tipton 30-8-17. J.M. Pringle
	4th ,, ...																
	Collective weight.	19	3	3								18	2	-			
	Stream																
	Kedge.....																

If Patent state Name of Patentee. *If Stockless, state Name of Patentee.*

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

1st Bower
2nd ,,
3rd ,,
4th ,, all anchors forged.

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	WEIGHT OF CHAIN CABLE. Supplied. Cwts. qrs. lbs.	Per Rule. Fathoms.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
64958	15	1⅛	22¾	34⅛	10-2-13				STUD LINK ✓	Netherton 16-8-17. H. Green	
64957	45	"	"	"	31-3-15				" " ✓	" " "	
64959	30	"	"	"	21-1-23				" "	" " "	
64991	30	"	"	"	20-2-0				" " ✓	" " "	
Iron Stream Chain or Steel Wire	120	1⅛			84-1-19	77-2-21	120	1⅛	" "		

HAWSERS AND WARPS.

Material	Length and Size supplied. Length. Fathoms.	Length and Size supplied. Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Length and Size per Table 31. Cir. Ins.
TOWLINE					
HAWSERS & WARPS	60	6	manilla	60	6
" "	60	5	"	60	5
" "					
" "					

Boats One **Steering Gear, Steam** 4½x2x5 DONKIN **Steering Gear, Hand** Combined

Pumps, Number 4. Two 4" & Two 6" dia Diameter of Barrel ✓ State whether they are in efficient working order yes

Windlass is steam by Hemmell & Frow, also a ~~Lesk~~ apstan **Windlass or forecastle deck**

Engine Room Skylights.—How constructed? steel plates & angles What arrangements for deadlights in bad weather steel flaps & bulls eyes

Coal Bunker Openings.—How constructed? cast iron discs How are lids secured? locked Height above deck? flush

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** Scuppers 6. Freeing ports 3. 18"x9" & one 24"x12"

Ceiling in Holds, thickness and material 2" pine **Cargo Battens,** thickness and material

Cargo Hatchways.—How formed? Scuttles steel plates & angles. **Hatches,** If strong and efficient? yes

State size **No. 1 Hatch** (Forward) ✓ **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 3 **No. of Crutches** deck floors

Bulwarks, height above deck and description 4'-0" steel ·34 & ·31 thick Main Rail, material and size 7x3x·40 B.B. & 8x3¼ teak

The foregoing is a correct description.

Builder's Signature (here only) J. M. Cochrane. FOR COCHRANE & SONS, LTD.

Surveyor's Signature W. H. Roberts

Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case. (*No reference should be made in any correspondence connected with the case*) M24-11-16. 29-11-16. E20-11-16. M29-12-16. E16-1-17. M25-1-17. 31-1-17

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. 26, par. 20)? ✓ State results of tests Trawler

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? ✓ State results of tests Trawler.

General Remarks (State quality of workmanship, &c.)

This vessel has been built in accordance with the approved plans and Secretary's letters and generally in conformity with the Society's Rules.

The materials and workmanship throughout are good.

Sister Vessel Daniel Fearnall
Hull Lt No. 30.376.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee ..... £ 4 : - : -
Special Survey Fee.... £ 28 : 16 : -
Travelling Expenses, if any £ : :

Fees applied for, 14/2 1918
Received by me. 16-2 1918 W.R

Certificate to be sent to Hull *Date of issue* 25/2/18

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed +100 A1 Steam Trawler

With, or without Freeboard, as condition of Class without Freeboard

W. H. Roberts
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 19 FEB. 1918

Character assigned 100 A1 Stm Trawler Lloyd a C.O.

+ Lm 6218

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

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D 74.66 ft., Bridge ✓ ft., Forecastle 19.33 ft. (in feet and tenths). When the Poop 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*) 10K.

Official No. ; Signal Letters

State if Machinery is fitted aft yes

How are the surfaces preserved from oxidation? Inside Cement & paint. (Bunkers bituminate) 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.
Double bottom, aft,		
Double bottom, under Engines and Boilers,		
Double bottom, if under Engines only,		
Double bottom, if under Boilers only,		
Double bottom, forward,		
Total capacity of double bottom		

Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Fore peak tank,		
After peak tank,		
Deep tank, aft,		
Deep tank, forward,		
Other tanks, if fitted,		
(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

Order for Special Survey No. ✓

Date ✓

No. 822 in builder's yard.

Dates of Surveys held while building: 1917:- Sep. 3. 10. 17. 24. 28. Oct 6. 12. 19. 26. 30. Nov 2. 9. 16. 22. 30. Dec 7. 14. 20. 1918:- Jan. 5. 12. 23. 31 Feb. 11.

Total No. of Visits 23

Surveyor's Signature W. Roberts & P. Fitzgerald.