Rpt. 1.

STEEL ~~STEAMER or MOTORSHIP.~~ TRAWLER.

Received at London Office 22 AUG 1930

State if Report has been sent on the Freeboard of the Vessel no.

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

Date of completion of report August 21st 1930. Port of Aberdeen. No. 16243.

Survey held at Aberdeen. Date First Survey March 18th 1930 Last Survey August 18th 1930.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) steel, single screw Trawler. "Mary A. Hastie."

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

State Type of Erections Fife. Whalback.

TONNAGE under Tonnage Deck 225·70.

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

Total 225·70.

Gross Tonnage 243·70.

Register Tonnage 105·45.

REGISTERED DIMENSIONS.

	FEET.
Length	123·4.
Breadth	23·1
Depth	12·15.

CLASS ✠ 100 A.1. State if with freeboard as condition of Class: no.

		FEET.
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)	L	123·0.
Breadth (greatest moulded)	B	23·0.
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)	D	13·0.
1st Longitudinal Number (L × D)	=	1599.
2nd Numeral L × (B + D)	=	4428.
~~**Framing Depth "d,"** at middle of length. See Sec. 3 (1d)~~		✓
Proportions—Depth to Length—Uppermost continuous deck to top of keel		9·46.
~~Do. Long Bridge to top of keel~~		✓
~~**Draught Moulded**~~		✓

Built at Aberdeen.

Launched 27·6·30. Yard No. 630.

Builders A. Hall & Co. Ld.

Owners Robert Hastie & Sons. Ld.

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

Residence Fish Quay. North Shields

Port of Registry North Shields.

If surveyed while building, afloat, or in dry dock First-Entry.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing ~~amidships~~ 21" in after accommodation	21½" elsewhere			
" " ~~from ⅜ length to Collision bulkhead~~	✓	✓	✓	
" " in peaks 21" aft	21½" forward.			
SIDE FRAMING.				
Frame Amidships, Angle, ~~E or L~~	4"	3"	·40"	
" " Extends up to	Uppermost Deck.			
Reversed Frame ~~**Amidships,**~~ Angle in Eng Space Single	4½"	4½"	·34"	
" " Extends ~~up~~ out to	Ships side.			
Cant Frames. **Depth of Framing Girder**	3"	3" 4"	·30"	
~~**Frames in Uppermost Continuous 'tween Decks,** Angle, E or L~~	✓	✓	✓	
" " ~~**Second 'tween Decks,** Angle, E or L~~	✓	✓	✓	
" " ~~**Third**~~ " " " "	✓	✓	✓	
Framing in Peaks, Angle ~~or L~~	4"	3"	·34"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾" rivets		4½" pitch	
State if Frame Joggled		Yes.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Trawler.			
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Trawler.			
SINGLE BOTTOM.				
Floors, Depth and thickness at mid-line ~~in Holds~~	16"×·34"+·38" in flanged 35" + Boiler Studs		E+B. Space. 2½" in Peaks. ·62"	
~~Height of Brackets at side above base line at toe of frame~~				
Middle Line Keelson, on Floors, Angles, ~~E or L~~	5"×4"×·40" Double 4"×3"×·38" Single		·44" in B.S. in Fore Peak.	
" " " ~~Through Plate or Intercostal Plate~~	✓	✓	✓	
" " " ~~Foundation Plate on Floors~~	✓	✓	✓	
" " " ~~Flat Plate Keel Angles~~	✓	✓	✓	
Side Keelsons, No. each side	One.			
" " thickness of Intercostal Plate under engines.	·30"			
" " Angles Single	5"×4"×·40"+		·44" in B.S.	
~~**DOUBLE BOTTOM.**~~ FEED TANK. **Solid Floors,** thickness and spacing	16"×·34".		2½" apart.	
" " Are Frame and Reversed Frame joggled?	Yes.			
~~**Bracket Floors,** breadth and thickness at middle line~~	✓	✓	✓	
" " ~~breadth and thickness at margin plate~~	✓	✓	✓	

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, ~~Frame~~ at sides		·30"		
" " ~~Reversed Frame~~	✓	✓	✓	
" " ~~Vertical Struts~~	✓	✓	✓	
Centre Girder, ~~depth and~~ thickness amidships		·30"		
" " top Angles Single	3"	3"	·30"	
" " bottom Angles on top of floors	3"	3"	·30"	Single.
Lugs.	4½"	3"	·30"	
Side Girders, No. each side and thickness ~~on~~	·30".	angers		3"+3"×·30"
Lugs.	4½"	3"	·30"	
~~**Margin Plate** depth (excl. of flange) and thickness~~	✓	✓	✓	
" " ~~Vertical Angle to Tank side Bracket abaft ¼ len. from stem~~	✓	✓	✓	
" " ~~Vertical Angle to Tank side Bracket forward ¼ len. from stem~~	✓	✓	✓	
" " ~~Gussets, spacing and scantling abaft ¼ len. from stem~~	✓	✓	✓	
" " ~~Gussets, spacing and scantling forward ¼ len. from stem~~	✓	✓	✓	
~~**Tank Side Brackets,** height above base line at toe of Frame and thickness~~	✓	✓	✓	
~~**INNER BOTTOM**~~ TANK TOP **PLATING.**				
~~Breadth and~~ thickness ~~of Middle Line Strake~~		·30"		
~~Thickness of remainder in Holds~~	✓	✓	✓	
~~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?~~	✓	✓	✓	
BEAMS.				
Uppermost Continuous Deck, amidships ~~in Wells~~ Angle, ~~E or L~~	6"	3"	·37"	+·32" forward
" " ~~in way of Bridge~~ HALF BEAMS Angle, ~~E or L~~	4½" 4"	3" 3"	·34" ·34"	E.S. B.S.
Spacing	on alternate frames.			
Thro Beam in Casings	8"	3"	·40	
~~**Second Deck,** amidships, Angle, E or L~~	✓	✓	✓	
~~Spacing~~	✓	✓	✓	
~~**Third Deck,** amidships, Angle, E or L~~	✓	✓	✓	
~~Spacing~~	✓	✓	✓	
~~**Fourth Deck,** amidships, Angle, E or L~~	✓	✓	✓	
~~Spacing~~	✓	✓	✓	
Cabin Dole ~~**Poop Deck,** Angle, E or L~~	3"	2½"	·30"	
Spacing	alternate frames.			
Forecastle Dole. ~~**Bridge Deck,** Angle, E or L~~	4"	3"	·30"	
Spacing	alternate frames.			
Whaleback **Forecastle** ~~**Deck,** Angle, E or L~~	3½"+3"×·30"		to 3"×3"×·30"	
Spacing	21½"			

2m.8.28. T.

002174-002183-0218 1/2

PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, ~~No. of Rows~~ ..... As per Profile	2 5/8"	diam.		✓
Hold				
" in 'tween Decks, Size ~~and Spacing~~	2 1/2"	"		✓
" " under Fore Mast.	2 1/2"	"		✓
" ~~in Holds~~ " "	✓	✓	✓	
" " " " "	✓	✓	✓	
~~**Centre Line Bulkhead.**~~				
~~Stiffeners and Spacing~~	✓	✓	✓	
~~Plating, thickness of~~	✓	✓	✓	
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness ~~in Wells~~	25" ×	·36" to	18" ×	·30" ✓
" " " " ~~in way of Bridge~~	Flanged round stern.			
" Angle ~~in Wells~~	3"	3"	·36"	to ·30"
Gutter Angle.	2 1/2"	2 1/2"	·30"	
Thickness of Plating ~~abreast Deck openings in way of Wells~~ ..... under W.mah Crane		·30"		
Thickness of Plating abreast ~~Deck~~ openings ~~in way of Bridge~~	5/16" chequered plate.			
Thickness of Tie Plating ~~within line of openings~~ ...	18" ×	·36" to	·30"	
If Sheathed, material and thickness	5" × 2" Pine. Oak margin.			
~~**Second Deck.**~~ **SIDE STRINGER.**				
Stringer Plate, breadth and thickness ~~in Wells~~ ...	7" ×	·30"		

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Angle.				
Stringer ~~Plate, breadth and thickness in way of Bridge~~	5"	3"	·30"	✓
Lugs to Shell Frames				
~~Thickness of Plating abreast Deck openings in way of Wells~~	3"	3"	·30"	+ 5" × 4" × ·40" for Col.n Bracket.
~~Thickness of Plating abreast Deck openings in way of Bridge~~	✓	✓	✓	✓
~~Thickness of Plating within line of openings~~ ...	✓	✓	✓	
~~If Sheathed, material and thickness~~	✓	✓	✓	
~~**Third Deck.**~~				
~~Stringer Plate, breadth and thickness~~	✓	✓	✓	
~~If Plated, state thickness~~	✓	✓	✓	
~~**Fourth Deck.**~~				
~~Stringer Plate, breadth and thickness~~	✓	✓	✓	
~~If Plated, state thickness~~	✓	✓	✓	
~~**Poop Deck.**~~				
~~Stringer Plate, breadth and thickness~~	✓	✓	✓	
~~Plating, Sheathing, material and thickness~~ ...	✓	✓	✓	
~~**Bridge Deck.**~~ Cabin Sole.				
~~Stringer Plate, breadth and thickness~~	W.T. Plat aft.			= ·26"
~~Plating~~, Sheathing, material and thickness ...	2 1/2" White Pine			
Forecastle ~~Deck.~~ Whale Back				
Stringer Plate, ~~breadth and~~ thickness		·30"		
Plating, ~~Sheathing, material and~~ thickness ...	·26" +	·38" under Windlass.		

SHELL PLATING.

SCANTLINGS.

Strakes.	As in Vessel. Amidships. Breadth. Inches.	Amidships. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches.	Any Departure from Approved Plans to be Noted.
~~Flat Plate Keel~~	Rivets in Keel, Stem and Stern Frame 1" Diam.r 5" pitch.				
" ~~Dblg. (if any)~~	✓	✓	✓	✓	✓
Bottom Plating, No. of Strakes 2	A. 52"	·42"	·38"	·38"	
	B. 51"	·36"	·32"	·32"	·36" at Stem Frame.
Bilge Plating, No. of Strakes 1	C. 59"	·36"	·32"	·32"	·36" at Stem Frame.
Side Plating, No. of Strakes 1	D. 59 1/2"	·36"	·32"	·32"	·46" in way of Gallows.
Upper Deck, Sheer-strake ~~in Wells~~	E. 50"	·50"	·40"	·40"	
~~Upper Deck, Sheer-strake in Bridge~~ ...					
~~Strake below Sheer-strake in Wells~~	EDGES = 5 pair between frames, spacing not exceeding 22". One rivet thro frame + seam.				
~~Strake below Sheer-strake in Bridge~~ ...	6 " " " " " exceeding 22".				
~~Poop Side Plating~~					
BULWARKS. ~~Bridge Side Plating~~ ...	31 1/2"	·30"	·26" at Fcle	·30"	
~~Forec'tle Side Plating~~					

RIVETING.

Strakes.	Top Edges. Single or Double.	Top Edges. Rivets. Diam. Inches.	Top Edges. Rivets. Spacing cr. to cr. Inches.	Butts. No. of Rows of Rivets.	Butts. Rivets. Diam. Inches.	Butts. Rivets. Spacing cr. to cr. Inches.	Butts. Strapped or Lapped.
	State if Joggled? No.						
~~Flat Plate Keel~~							
" ~~Dblg. (if any)~~	✓	✓	✓				
Bottom Plating, No. of Strakes 2	4 1/2" Double.	3/4"		5" Double.	3/4"	2 5/8"	Lapped
	" "	"		" "	"	"	"
Bilge Plating, No. of Strakes 1	" "	"		" "	"	"	"
Side Plating, No. of Strakes 1	" "	"		" "	"	"	"
Upper Deck, Sheer-strake ~~in Wells~~	2 1/2" Single.	"		" "	"	4 1/2"	"
~~Upper Deck, Sheer-strake in Bridge~~ ...							
~~Strake below Sheer-strake in Wells~~							
~~Strake below Sheer-strake in Bridge~~ ...							
~~Poop Side Plating~~							
BULWARKS. ~~Bridge Side Plating~~ ...				5 1/4" Single.	3/4"	4 1/2"	Strapped.
~~Forec'tle Side Plating~~							

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 *c*) ..... Three.

" ~~Deck next below~~ ✓

As per Rule + as approved. Three.

		Plating Thickness.	Stiffeners. Vertical. Scantlings.	Stiffeners. Vertical. Spacing.	Stiffeners. Horizontal. Scantlings.	Stiffeners. Horizontal. Spacing.
~~MIDSHIP~~ **BULKH'D,** ~~Upper tween decks~~		✓	✓	✓	✓	✓
" " ~~Second~~ "	NON. W.T. 31	·26"	·30" 3" × 2 1/2" × ·30"	30"	S. Hold Floor.	
" " ~~Third~~ "	44	·26"	·38" 4 1/2" × 3" × ·34"	30"	Tank Top.	
" " ~~Holds~~		✓	✓	✓	✓	✓
COLLISION " ~~(in Hold)~~	59	·26"	·34" 6" × 3" × ·32"	24"	Fcle Sole + T. Top	
	G	·26"	·34" 2 1/2" × 2 1/2" × ·30"	Cr	✓	✓
AFTER PEAK "	NON W.T. 13	·26"	3" × 2 1/2" × ·30"	36"	✓	✓

FORGINGS ~~and CASTINGS.~~

	~~Casting or~~ Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Bulb plate	7 1/2" × 1 1/8"	Consett Iron Co.	
STEM	-do-	7 1/2" × 1 1/8"	-do-	
STERN FRAME Propeller Post	Forged Scrap Steel	5 3/4" × 3"	T.S. Forster + Sons Ld.	
STERN FRAME Rudder "		5 1/2" × 3"		
RUDDER—A×D	72·24.			
Speed of Vessel	under 10 Knots.			
RUDDER mainpiece at head ...		4 3/4"	T.S. Forster + Sons Ld.	
" " heel ...		3 7/8"		
" how constructed	S.M. Ingot Steel Rolled Bar. arms: Scrap iron. shrunk on + keyed.			
" ~~double or~~ single plate		·74.		
" 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) Siemens Martin.
D. Colville + Sons Ld. The Consett Iron Co. Ld. Pease + Partners Ld.
South Durham S + I. Co. Ld.

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

EQUIPMENT No. 4428. LETTER l.

ANCHORS.

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 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
91970.	1st Bower ...	7	0	10	Stockless		2.	9	7	0	21.	7.	"Perkins" Type.	Hy. Reece.	N. 14.7.30. J.a. Reef.
91969.	2nd " ...	6	1	22	"			8	15	0	0	6¼	" "	" "	" " " "
✓	~~3rd~~ " ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Collective weight.	13	2	4.								13¼.			
91978.	~~Stream~~ KEDGE	2	3	3	0	3	3	5	7	2	0	2¾.	Ordinary	Hy. Reece.	N. 14.7.30. J.a. Reef.

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length.	Diam.	Test per Certificate. Statutory.	Breaking.	Weight of Chain Cable. Supplied.	Per Rule.	Length and Size per Table 53. Length.	Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.			
95659	105	1 1/16"	20 6/20	30 8/20	61. 0. 24	60¾.	105	1 1/16"	Stud	Hy. Reece.	N. 24.7.30. H. Green
		Cir.						Cir.			
~~Iron Stream Chain or Steel Wire~~	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

HAWSERS AND WARPS.

Number of Certificate.	Material.	Length and Size supplied. Length.	Cir.	~~Breaking Test of Steel Wire~~ Tons.	Length and Size per Table 53. Length.	Cir.
		Fathoms.	Ins.		Fathoms.	Ins.
	~~Towline~~	✓	✓	✓	✓	✓
	HAWSERS & WARPS	60	5½"	MANILLA	60	5½"
	"	60	4½"	"	60	4½"
	"					

Steering Gear, Steam none. **Steering Gear, Hand** by A. Hall & Co. Ld.

Boats Fish Our = 17'.0" × 6'.4" × 2'.6" **Steering Chains,** Size and Test ¾". 6¼ Tons. C.H. 17/30. 6.5.30. **Windlass** Hand by A. Hall & Co. Ld.

Ceiling in Holds, thickness and material Insulated at sides. **Cargo Battens,** thickness, material and spacing none.

Cargo Hatchways.—(Upper Deck) Cast iron Coamings. **Thickness of Hatches** 2½" White Wood.

Size of **No. 1 Hatchway** (Forward) 4'.6½" × 3'.0" **No. 2** 3'.7" × 3'.6" **No. 3** 2'.0" × 3'.2". ~~No. 4~~ ✓ ~~No. 5~~ ✓ ~~No. 6~~ ✓

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

For ALEXANDER HALL & CO., LTD.

Builder's Signature [signature] SECRETARY

GENERAL DECLARATION. *It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel* no *(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo* no. *The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.*

This vessel has been built in accordance, with the Sec. letters, the Rules & approved Plans for the intended class 100.A.1.

The materials and workmanship are good.

The Tank, Peaks, Weather Deck, Bulkheads and Hand Pumps have been satisfactorily tested.

The following approved plans are forwarded herewith, viz:- Profile and Deck, Midship Section, Bulkheads, Engine & Boiler Seats, Stern Frame, Rudder Frame and Pumping Arrangement; together with 2 Reports on Forgings.

The amount of Entry Fee ..... £ 2 : 0 : 0. Fees applied for, 21. 8. 1930

Special Survey Fee.... £ 24 : 8 : 0. Received by me, 12. 9. 1930

~~Travelling Expenses, if any £~~ ✓ : ✓ : ✓

asm

I am of opinion the Vessel should be Classed ✠ 100.A.1. TRAWLER.

State whether the Vessel has been built under Special Survey Yes.

Certificate to be sent to Aberdeen. Date of issue 15/9/30.

Signature J. Richardson

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 26 AUG 1930

Character assigned + 100A1 Steam Trawler

+ L.M.C. 8.30

Lloyd's A.&C.P. C.L.

Write Note

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

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.*)

~~Particulars of **Drop Test** of Cast Steel Anchors, viz., Weight, Surveyor's Initials, Number of Certificate, Date of Test.~~	~~1st Bower~~	✓
	~~2nd~~ ,,	✓
	~~3rd~~ ,,	✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length ~~of Poop~~ ✓ ~~ft., R.Q.D.~~ ✓ ~~ft., Bridge~~ ✓ ~~ft.,~~ { Whale Back / Forecastle 18.7 ft.

~~(in feet and tenths). When the Poop is joined to the R.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*) One Deck.

Official No. 148807. ; Signal Letters ..... Is bottom of Vessel coated with cement Yes. ~~if not give particulars of composition~~ Cemented solid to lips of Floors in Boiler Space + Bunkers. Inside of Hull coated with Bituminous Solution + Enamel, except in Hold Room + where exposed.

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, FEED TANK. DB	26.9.	15.	~~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. 1793

Date March 3rd 1930.

Dates of Surveys held while building: 1930 = March 18th. April 11.23.30. May 8.15.23.29. June 6.16.18.23.27. July.2.9.16.29.31. August. 6.12.14.18.

Total No. of Visits 22.