

## STEEL STEAMER or MOTORSHIP.

WRECK SECTION.

No. 376.

Received at London Office

JUL 22 1940

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 Hull

No. 50776.

Survey held at Beverley and Hull Date First Survey 21st July 1939. Last Survey 22nd June 1940.

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

H. M. STEEL SINGLE SCREW A/S TRAWLER "ST. APOLLO".

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

Full Scantling

State Type of Erections R. G. Deck

TONNAGE under Tonnage Deck

498.62

CLASS \* 108 A-1. STEAM TRAWLER.

State if with freeboard as condition of Class

✓

Built at Beverley.

of space or spaces between Tonnage Dk. Upper Dk.

498.62

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

L

175'

Breadth (greatest moulded)

B

30'

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

D

16'

1st Longitudinal Number (L x D)

=

2800

2nd Numeral L x (B + D)

=

8050

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

14.41

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

10.94

Do. Long Bridge to top of keel

✓

Draught Moulded

✓

Launched 14th Decr. 1939. Yard No. 654.

Builders Messrs Cook, Welton &amp; Gemmell Ltd.

Owners

H. M. Admiralty Fish Steam Trawling Co. (see Hull Ltr 30/7/40)

Managers

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

Residence London.

Port of Registry

If surveyed while building, afloat, or in dry dock

During construction

## 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.
IES, Spacing amidships	21	✓	Bracket Floors, Frame		
from 1/2 length amidships to Collision bulkhead	17	✓	Reversed Frame		
FORE PEAK	17	✓	Vertical Struts		
in peaks	20	✓	Centre Girder, depth and thickness amidships		
AFTER PEAK	20	✓	top Angles		
FRAMING.			bottom Angles		
me Amidships, Angle, E or F	52 3 38	✓	Side Girders, No. each side and thickness		
Extends up to	deck	✓	Margin Plate depth (excl. of flange) and thickness		
Reversed Frame Amidships, Angle	3 3 38	✓	Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Extends up to	across floors	✓	Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
th of Framing Girder	52	✓	Gussets, spacing and scantling abaft 1/2 len. from stem		
mes in Uppermost Continuous 'tween Decks, Angle, E or F			Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Second 'tween Decks, Angle, E or F			Tank Side Brackets, height above base line at toe of Frame and thickness		
Third			INNER BOTTOM PLATING.		
from 1/2 len. for'd. to 15% len. from Stem	52 3 38	✓	Breadth and thickness of Middle Line Strake		
in Peaks, Angle, E or F	52 3 38	✓	Thickness of remainder in Holds		
meter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4	✓	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?		
if Frame Joggled	No.	✓	BEAMS.		
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	is approved.	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	7 3 .46	✓
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			" " in way of Bridge, Angle, E or F	7 3 .42	✓
DOUBLE BOTTOM.			Spacing	ALT. FRAMES	✓
rs, Depth and thickness at mid-line in Holds	19 x .40	✓	R.Q.		
Height of Brackets at side above base line at toe of frame	IN ENGINE ROOM .50	✓	Second Deck, amidships, Angle, E or F	7 3 .42	✓
Middle Line Keelson, on Floors, Angles	15 x 4 x 4 x 40	✓	Spacing	ALT. FRAMES	✓
Through Plate or Intercostal Plate	✓		MESS		
Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F	5 3 .34	✓
Flat Plate Keel Angles	✓		Spacing	42" & AS APPD.	✓
Side Keelsons, No. each side	one	✓	Fourth Deck, amidships, Angle, E or F		
thickness of Intercostal Plate	✓		Spacing		
Angle	6 4 .48	✓	Poop Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	6 4 .52	✓	Bridge Deck, Angle, E or F		
Are Frame and Reversed Frame joggled?	5 x 5 x 48	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	5 x 5 x 52	✓	Forecastle Deck, Angle, E or F	5 3 .40	✓
breadth and thickness at margin plate			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.
<b>PILLARS</b> , No. of Rows.....	One		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" " " " " <b>FORWARD</b>			Thickness of Plating abreast Deck openings in way of Wells .....	38 ✓	
" " " " " Size and Spacing.....	3" DIA - 5'-8"	See plan	Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" " " " "	✓		Thickness of Plating within line of openings....	31 ✓	
" " " " "	✓		If Sheathed, material and thickness .....	3" P. PINE IN WAY OF ACCM ✓	
" " " " "	✓		<b>Mess Third Deck.</b>		
<b>Centre Line Bulkhead.</b>	✓		Stringer Plate, breadth and thickness.....	18 x .25 ✓	
Stiffeners and Spacing.....	✓		If Plated, state thickness.....	TIES 9" x .25 ✓	
Plating, thickness of .....	✓		<b>Fourth Deck.</b>		
<b>STRINGERS AND DECKS.</b>			Stringer Plate, breadth and thickness.....	/	
<b>Uppermost Continuous Deck.</b>			If Plated, state thickness .....	/	
Stringer Plate, breadth and thickness in Wells	38 x .40		<b>Poop Deck.</b>		
" " " " " in way of Bridge	✓		Stringer Plate, breadth and thickness .....	/	
" Angle in Wells .....	32 3' .40		Plating, Sheathing, material and thickness ...	/	
Thickness of Plating abreast Deck openings) in way of Wells .....	TIES 12" x .40		<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings) in way of Bridge .....	✓		Stringer Plate, breadth and thickness.....	/	
Thickness of Plating within line of openings....	.40		Plating, Sheathing, material and thickness ...	/	
If Sheathed, material and thickness .....	5 x 3" PITCH PINE ✓		<b>Forecastle Deck.</b>		
<b>R.C. Second Deck.</b>			Stringer Plate, breadth and thickness.....	48' - 19" x .31 ✓	
Stringer Plate, breadth and thickness .....	72 x .34 ✓		Plating, Sheathing, material and thickness ...	.31 ✓	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	4	✓
“ Deck next below	2	0.8
As per Rule	4.	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
ON FRAME 55						
MIDSHIP BULK'D, Upper two decks		✓	44-30	7-3	34-5	30 ✓
"	" Second "	✓		✓		
"	" Third "	✓		✓		
"	" Holds .....	✓ ✓		✓		
COLLISION " " (in Hold)		✓	99-40-30	4-3	30	ON 2 ✓
AFTER PEAK " "		✓	102-30	4-3	30	24 ✓
		✓	8-46-38	5-3	36	24 ✓
		✓	3-18-26	34-2 1/2	34-5	20 ✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....		rolled 8"x2"	✓	
STEM .....		" 8"x2"	✓	
STERN FRAME { Propeller Post .....		Forged 8"x4"	✓	4 S. Yorder Shukla
{ Rudder " .....		7"x4"	✓	Sunkland
Speed of Vessel .....		12 3/4 knots	✓	
RUDDER—Type .....		HYDROGAP PATENT.	✓	
" A x D .....		✓		
" Diam. of head .....		7 1/2" DIA.	✓	
" Mainpiece at top pintle .....		10 1/2"	✓	
" " heel .....		10 1/2"	✓	
" how constructed .....		Forged frame & side plates		
" double or single plate .....		36	✓	
" coupling, vertical or horizontal .....		Vertical	✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth process.

PLATES:- Dorman Long Sheild: Appleby - Nottingham Steel Co. Ltd: Consett Iron Co Ltd.  
SECTIONS:- Skerinninglow Iron Co. Ltd.: Dorman Long Sheild: Consett Iron Co Ltd.

Has the Steel been tested as required by the Rules?



EQUIPMENT No 8050										LETTER "C".		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.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
52744	1st Bower	13	0	16 ✓	Stockless			14	17	0	21	13 ✓	Perkins type	Not stated	C. Heath 12-2-40. S.C. haul
52743	2nd "	12	1	2 ✓	"			14	1	3	14	12 ✓	" "	" "	" " " "
	3rd "											25 ✓			
	Collective weight.	25	1	18 ✓											
52745	KEGE Secum	4	2	12 ✓	1	0	22	7	0	0	0	4 1/2 EX STOCK	Rodgers Forged W.T.	Not stated	C. Heath 12-2-40 S.C. haul

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 53.		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 53.		
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.	
60350	150	1 5/16	31	46 1/2	133-3-11	132 1/2		150	1 5/16	Mid B. Hingley	Cradley Heath		TOWLINE	30	6	MANILA FITTED WITH 35-2 1/2" S.W.R. EACH END.			
										Hulk	+ Sns.	12-2-40. S.C. haul	HAWSERS & WARPS	150	1 1/2	S.W.R.	60	6	
														100	2	"	60	6	
														50	1 1/4	"	60	6	
														120	4	COIR			
														ALL SUPPLIED BY ADMIRALTY.					
KEGE Steel Wire	150	2 1/2			S.W.R. supplied by Admiralty														

Steering Gear, Type (Power or hand) Steam Steering Gear - Darkin Alternative Means of Steering Hand gear - Darkin

Steering Chains (Size and Test) 1 1/16" dia. - 13 1/2 TONS. Windlass Steam - Gemmell & Howld Boats 1-22 ft. lifeboat.

Ceiling in Holds, thickness and material 2 1/2" pitch pine floor Cargo Battens, thickness, material and spacing 2" pitch pine - close lined.

Cargo Hatchways.-(Upper Deck) ✓ Thickness of Hatches ✓

Size of Hatchways No. 1 (Fwd.) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓ COOK, WELTON & GEMMELL LTD.  
Secretary & Director.

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) 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 (where required to be inserted in the Notation).  
This vessel has been built in accordance with the approved plans, the Secretary's letters and in conformity with the Rules for the Class contemplated. Whilst fitting out the vessel was taken over by the Admiralty and alterations were carried out to enable the vessel to carry out A/S duties.  
The completion of the vessel was carried out in collaboration with the Warship Production Superintendent, Harmer Bros (see letter M of 5-2-40).  
The materials and workmanship are good.  
No freeboard has been assigned.  
No double bottom tanks are fitted.  
The fore & after peaks, boiler feed & ballast tanks, W.T. flat aft, C.L. tanks, decks, casings, steering gear arrangements, windlass, hand pumps, W.T. doors have been tested and found in order.

The amount of Entry Fee ..... £ 4 : 0 : 0 Fees applied for, 19 JUL 1940  
Special Survey Fee.... £ 60 : 15 : 0 Received by me, 13th Aug 1940  
Travelling Expenses, if any £ - : 10 : 5 I am of opinion the Vessel should be Classed + 100 A.1.  
State whether the Vessel has been built under Special Survey Yes. Signature M. Macleod  
Certificate to be sent to Hull. Date of issue 6/8/40 STEAM TRAWLER.

Committee's Minute FRI 2 AUG 1940  
Character assigned + 100 A.1  
Steam Trawler  
Lloyd's A.S.  
Wise adm (S/C)



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.)

The approved plans are being retained for reference in respect of a sister-vessel which is fitting out at present. Copies of the approved plans are in the London Office.

The following reports are enclosed herewith:

Rudder frame, rudder head & tiller. Sld. Rpt. No 2172.  
Stem frame Sld. " 2104.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

+100 A.I. STEAM TRAWLER

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 2nd " 3rd "
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 92.25 ft., Bridge ☒ ft., Forecastle 36.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. ☒ Signal Letters ☒ Extreme Breadth over Belting 30.60 ft. (Circ. 1611) Over-all Length 193.25 ft. (Circ. 1703)

No. and Material of Decks 1 DK.

Parts of Bottom of Vessel coated with cement or approved composition. In way of fore peak & from fore end of cross bunker to stem fitted with concrete.

Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

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,	11.66	7½
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	5.66	21
Double bottom, forward,			Other tanks, if fitted,	5.66	21.
Total length (if continuous) and Capacity			BOILER FEED & BALLAST TANK No 1 No 2		

Order for Special Survey No. 389.

Date 13th July 1939.

Dates of Surveys held while building

1939. July. 21. Aug. 3. 30. Sept. 1. 7. 12. 20. 25. Oct. 2. 2. 5. 10. 12. 18. 20. 23. 25. Oct. 30. Nov. 9. 15. 21. 27. 29. Dec. 11. 13. 14. 18. 21. 28.

1940. Jan. 4. 10. 17. 17. 23. 31. Feb. 7. 22. March. 5. 11. 20. April 10. 16. 24. May. 7. 22. June 12. 14. 18. 20. 21. 22.

Lloyd's Register Foundation

Total No. of Visits 51.