

REPORT ON MACHINERY.

10.250

Port of Shull

Received at London Office TUES. FEB 17 1896

o. in Survey held at Berkeley & Hull
Book.

Date, first Survey Sep. 26/95 Last Survey Jan 24 1896

(Number of Visits 21)

on the Steam Fishing Vessel Admiral

Tons { Gross 182
Net 80

ter Built at Berkeley By whom built Cochrane & Cooper

When built 1896

nes made at Hull By whom made Barber & Lim when made 1896

ers made at Hull By whom made Barber & Lim when made 1896

stered Horse Power 55 Owners Anchor Steam Fishing Co Port belonging to Grimby

Horse Power as per Section 28 56

INES, &c.— Description of Engines Triple Comp Inv & Acting No. of Cylinders three
meter of Cylinders 12 1/4 20 32 Length of Stroke 20 Revolutions per minute 140 Diameter of Screw shaft as per rule 6 1/2
meter of Tunnel shaft as per rule 5 7/8 as fitted 6 1/8 Diameter of Crank shaft journals 6 1/2 Diameter of Crank pin 6 1/2 Size of Crank webs 7 1/2 x 4
meter of screw 8 1/2 Pitch of screw 9 1/2 No. of blades 14 State whether moveable in Total surface 25 sq ft
of Feed pumps One Diameter of ditto 2 Stroke 10 Can one be overhauled while the other is at work -
of Bilge pumps one Diameter of ditto 3 Stroke 10 Can one be overhauled while the other is at work -
of Donkey Engines one Sizes of Pumps 3 x 6 No. and size of Suctions connected to both Bilge and Donkey pumps
Engine Room one 2 In Holds, &c. one 2 Slush well 2
Ejector with suction in the Engine Bilge and Slushwell & discharge on board
of bilge injections one sizes 3 1/2 Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size 2
all the bilge suction pipes fitted with roses yes Are the roses in Engine room always accessible yes Are the sluices on Engine room bulkheads always accessible yes
all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks both
they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the discharge pipes above or below the deep water line above
they each fitted with a discharge valve always accessible on the plating of the vessel yes Are the blow off cocks fitted with a spigot and brass covering plate yes
at pipes are carried through the bunkers Suction to Forward How are they protected hood covered
all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times yes
the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges yes
n were stern tube, propeller, screw shaft, and all connections examined in dry dock now new Is the screw shaft tunnel watertight In tunnel
fitted with a watertight door yes worked from yes

ERS, &c.— (Letter for record S) Total Heating Surface of Boilers 923 sq feet
and Description of Boilers One Cylindrical Invert Working Pressure 170 lb Tested by hydraulic pressure to 340 lb
of test 14/12/95 Can each boiler be worked separately yes Area of fire grate in each boiler 33 sq ft No. and Description of safety valves to
boiler Two Spring loaded Area of each valve 3 1/2 sq in Pressure to which they are adjusted 175 lb Are they fitted
easing gear yes Smallest distance between boilers or uptakes and bunkers or woodwork 7 Mean diameter of boilers 11 1/2
th 9 1/2 Material of shell plates Steel Thickness 3/32 Description of riveting: circum. seams double lap long. seams double lap
meter of rivet holes in long. seams 1 5/16 Pitch of rivets 7 1/2 Lap of plates or width of butt straps 14 1/4
centages of strength of longitudinal joint rivets 82 1/2 % Working pressure of shell by rules 170 lb Size of manhole in shell 16 x 12
plate 82 1/2 %
of compensating ring 20 x 3/32 No. and Description of Furnaces in each boiler two Plain Material Steel Outside diameter 30 1/4
th of plain part top 6 1/2 Thickness of plates crown 13/16 Description of longitudinal joint double No. of strengthening rings 1
bottom 6 1/2 bottom 13/16
king pressure of furnace by the rules 172 lb Combustion chamber plates: Material Steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 25/32
h of stays to ditto: Sides 7 3/4 Back 7 3/4 Top 7 3/4 If stays are fitted with nuts or riveted heads both Working pressure by rules 182 lb
erial of stays Steel Diameter at smallest part 1 3/8 Area supported by each stay 7 3/4 sq in Working pressure by rules 197 lb End plates in steam space:
erial Steel Thickness 15/16 Pitch of stays 15 How are stays secured double nut Working pressure by rules 175 lb Material of stays Steel
meter at smallest part 2 5/16 Area supported by each stay 15 x 14 1/4 Working pressure by rules 171 lb Material of Front plates at bottom Steel
ickness 14/16 Material of Lower back plate Steel Thickness 13/16 Greatest pitch of stays 14 Working pressure of plate by rules 170 lb
meter of tubes 3 1/4 Pitch of tubes 4 1/2 Material of tube plates Steel Thickness: Front 14/16 Back 10/16 Mean pitch of stays 9
h across wide water spaces 13 1/4 Working pressures by rules 172 lb Girders to Chamber tops: Material Steel Depth and
ness of girder at centre 6 x 2 1/16 Length as per rule 27 Distance apart 7 1/2 Number and pitch of Stays in each two 7 3/4
king pressure by rules 171 lb Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
rately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
fitted with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
king pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

DONKEY BOILER— Description *No donkey boiler*
Made at _____ By whom made _____ When made _____ Where fixed _____
Working pressure _____ tested by hydraulic pressure to _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____
No. of safety valves _____ Area of each _____ Pressure to which they are adjusted _____ If fitted with easing gear _____ If steam from main boilers _____
enter the donkey boiler _____ Diameter of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____
Description of riveting long. seams _____ Diameter of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____
Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Thickness of shell crown plates _____ Radius of do. _____ No. of Stays to do. _____
Dia. of stays _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ Description _____
joint _____ Thickness of furnace crown plates _____ Stayed by _____ Working pressure of shell by rules _____
Working pressure of furnace by rules _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

SPARE GEAR. State the articles supplied:— *The top end bolts, two bottom end bolts. Two main
bearing bolts. One set coupling bolts. One set dead pump valves. One set Bilge pump
valves. One set check valves. Safety valve spring.*

The vessel efficient with masts and sails as a Steam Fishing Vessel.

EARLE'S
SHIPBUILDING & ENGINEERING CO. LIMITED
The foregoing is a correct description,
A. E. Seaton per *J. H. J.* Manufacturer.

General Remarks (State quality of workmanship, opinions as to class, &c. *Workmanship Good.*)

Dates of survey while building
During progress of work in shops - 1895: - Sep 26, 30 Oct 4, 8, 21, 23 Nov 5, 12, 15, 18 Dec 2, 9, 12, 18, 19, 30 1896 Jan 8, 16.
During erection on board vessel - Jan 23, 25, 27
Total No. of visits 21

*The Machinery and Boilers of this Steam Fishing Vessel
have been constructed under special survey and placed on board
accordance with the Society's Rules. They are now in my opinion
safe working condition and the case is respectfully submitted for
ratification + L.M.C. 1.96. in The Register Book.*

It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. 1.96.

J. H. J.
11.2.96.
W. S.
11.2.96.

Certificate (if required) to be sent to *Hull*

The amount of Entry Fee.. £ 1 : - :
Special £ 8 : 8 :
Donkey Boiler Fee £ : : :
Travelling Expenses (if any) £ : : :
When applied for, 10/2/18.96
When received, 11.2.18.96

James Jones
Engineer Surveyor to Lloyd's Register of British & Foreign Ships

Committee's Minute
Assigned
FRI, FEB 14 1896
+ L.M.C. 1.96