

THUR. 12 SEP 1895

No.

REPORT ON MACHINERY.

9945

Port of

Stull.

Received at London Office

18

No. in Survey held at

Stull.

Date, first Survey

Jan 20th

Last Survey

Sep 3rd

1895

(Number of Visits 10)

Reg. Book.

App. 4 on the

Trawler "Newfoundland"

Master

Built at

Beverly

By whom built

Cochrane Cooper

Gross 140

Net 58

When built 1895

Engines made at

Stull

By whom made

Amos Smith

when made 1895

Boilers made at

Stull

By whom made

do:

when made 1895

Registered Horse Power

35

Owners

Stull Steam Fishing & Ice Co. belonging to Stull.

Nom. Horse Power as per Section 28

34

ENGINES, &c.—

Description of Engines

Triple Exp. Vertical. S.A.

No. of Cylinders

3.

Diameter of Cylinders

10 x 16 x 25 1/2

Length of Stroke

20

Revolutions per minute

Diameter of Screw shaft

as per rule 5.1

Diameter of Tunnel shaft

as per rule 4.8

Diameter of Crank shaft journals

5 1/4

Diameter of Crank pin

5 1/4

Size of Crank webs

7 x 3 1/2

Diameter of screw

5 1/4

Pitch of screw

8 1/2

No. of blades

4

State whether moveable

No

Total surface

18 1/2 sq

No. of Feed pumps

One

Diameter of ditto

2 1/8

Stroke

11

Can one be overhauled while the other is at work

✓

No. of Bilge pumps

One

Diameter of ditto

2 1/8

Stroke

11

Can one be overhauled while the other is at work

✓

No. of Donkey Engines

One

Sizes of Pumps

4 1/2 - 4 - 2 3/4

No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room

One 2" dia.

In Holds, &c.

One 2" dia.

No. of bilge injections

One

sizes

2 1/2

Connected to condenser, or to circulating pump

Is a separate donkey suction fitted in Engine room & size

3" dia.

Are 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

Are all connections with the sea direct on the skin of the ship

Yes

Are they Valves or Cocks

No

Are 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

Are 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

That pipes are carried through the bunkers

hold suction

How are they protected

wood casing

Are all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times

Yes

Are the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges

Yes

Were stern tube, propeller, screw shaft, and all connections examined in dry dock

New

Is the screw shaft tunnel watertight

No

Is it fitted with a watertight door

Yes

worked from

Yes

BOILERS, &c.—

(Letter for record S)

Total Heating Surface of Boilers

573 sq

No. and Description of Boilers

One Cyl. & mult.

Working Pressure

170

Tested by hydraulic pressure to

340

Date of test

1/8/95

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

22 sq

No. and Description of safety valves to

boiler

Two Spring

Area of each valve

3.14 sq

Are they fitted

Yes

Pressure to which they are adjusted

170 lb

Are they fitted

Yes

Are they fitted

Yes

Smallest distance between boilers or uptakes and bunkers or woodwork

5"

Mean diameter of boilers

9'-0"

Length

8'-9"

Material of shell plates

Steel

Thickness

13/16

Description of riveting: circum. seams

double

long. seams

5 butt, 2 lap

Diameter of rivet holes in long. seams

7/8

Pitch of rivets

5 7/8"

Lap of plates or width of butt straps

12 3/4"

Percentages of strength of longitudinal joint

93.5

Working pressure of shell by rules

173

Size of manhole in shell

16 x 12

Diameter of compensating ring

30 x 26 x 13/16

No. and Description of Furnaces in each boiler

2 Plain

Material

Steel

Outside diameter

33"

Length of plain part

top 5'-6"

Thickness of plates

crown 4 1/16"

Description of longitudinal joint

welded

No. of strengthening rings

✓

Working pressure of furnace by the rules

170

Combustion chamber plates: Material

Steel

Thickness: Sides

9/16

Back

9/16

Top

19/32

Bottom

5/8

Number of stays to ditto: Sides

8"

Back

8"

Top

8"

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

170

Material of stays

Steel

Diameter, at smallest part

1 3/8

Area supported by each stay

8 x 8

Working pressure by rules

185

End plates in steam space:

Material

Steel

Material

Steel

Thickness

7/8

Pitch of stays

14 1/2"

How are stays secured

nuts

Working pressure by rules

172

Material of stays

Steel

Diameter at smallest part

2 1/4

Area supported by each stay

14 1/2 x 12 1/2

Working pressure by rules

204

Material of Front plates at bottom

Steel

Thickness

7/8

Material of Lower back plate

Steel

Diameter of tubes

3 1/2

Pitch of tubes

4 3/4

Material of tube plates

Steel

Thickness: Front

7/8

Back

53/64

Mean pitch of stays

14 1/4"

Distance across wide water spaces

13 1/2"

Working pressures by rules

170

Girders to Chamber tops: Material

Steel

Depth and

Number and pitch of Stays in each

2-8

Working pressure by rules

176

Superheater or Steam chest; how connected to boiler

Can the superheater be shut off and the boiler worked

Material

Steel

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

Lloyd's Register

Foundation

HVL 411-0085

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 can

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

Plates

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 of

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:—

2 top end bolts, 2 bottom end bolts, 2 main
bearing bolts, 1 set coupling bolts, 1 set coupling bolts, 1 set feed
pump valves, 1 set bilge pump valves, 1 set check valves, 1 safety valve
spring. Vessel provided with masts sails as a trawler

The foregoing is a correct description,

FOR AMOS & SMITH,

Manufacturer.

General Remarks

(State quality of workmanship, opinions as to class, &c.)

Good.

The machinery of this vessel has been constructed under
Special Survey, and placed on board in accordance with the
Society's Rules, and is in my opinion eligible for the
notification + Rec. 9.95 in the Register Book.

It is submitted that
this vessel is eligible for

THE RECORD + L.M.C. 9.95

MS

14.9.95.

Certificate (if required) to be sent to

L.M.C.

The amount of Entry Fee..

£ 1 : 0 :

When applied for,

Special

£ 8 : 0 :

When received,

Donkey Boiler Fee

£ ✓ :

Travelling Expenses (if any) £ ✓ :

MACHINERY CERTIFICATE

Committee's Minute

TUES. 17 SEP 1895

Assigned

+ L.M.C. 9.95

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

H. J. Cornish

(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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Foundation

** These

Signal Le

Official

105

No., Date

Whether B
Foreign

Brid

Number of

Number of

Rigged

Stern

Build

Galleries

Head

Framework

vessel

Number of

Number of

and thei

Total to qu
at side aNo. of
Engines

In

One

Num

Iron

Press

Under Ton

Closed-in s

Space on

Poop

Forecast

Round I

Other cl

Ma

Deductions

Nan

No. of Own

Name, Res

Du

He

Dated

W B & L (439w)