

REPORT ON BOILERS.

No. 48585

14 NOV 1928

Received at London Office

of writing Report

10

When handed in at Local Office

10

Port of Glasgow

No. in Survey held at

Amman

Date, First Survey

Sept 28

Last Survey

6th Nov.

1928

Book.

on the

BOILER No. 11029.Steel Twin Screw Motor Vessel "SANTA INEZ."Gard. No. 552Tons { Gross 5538.40
Net 3371.14

ster

Built at

Copenhagen

By whom built

M. & Wain Copenhagen

When built

1929

ilers made at

Amman

By whom made

Messrs Cochran & Co. Amman Ltd

When made

1928ners Grace Steamship Company, Incorporated. (W & Grace & Co.)

Port belonging to

New York. U.S.A.VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel S. C. Colville & Son

de at

Amman

By whom made

Cochran & Co Amman

When made

1928

Where fixed

in machinery spaceWorking pressure 100 lbs

ted by hydraulic pressure to

200 lbs

Date of test

6-11-28

No. of Certificate

18097

Fire grate area

114

Description of safety valves

Enclined Spring

of safety valves

Two

Area of each

1.76 sq ft

Pressure to which they are adjusted

80 lbs

If fitted with easing gear

Yes

If steam from main boilers can

er the donkey boiler

No

Diameter of donkey boiler

4'-9"

Length

12'-6"

Material of shell plates

Steel

Thickness

3/8", 7/16", 3/8"

ange of tensile strength

28-32

Description of riveting long. seams

D.R. Lap.

Diameter of rivet holes

23/32"

Whether punched or

illed

drilled

Pitch of rivets

2 3/5", 2 3/33, 2 3/29

Lap of plating

3 3/4"

Per centage of strength of joint

76.4

Working pressure of shell by

les

117.2 lbs

Thickness of shell crown plates

9/16"

Radius of do.

4'-9"

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

rnace—Top

3'-10 1/4"

Bottom

4'-3"

Length of furnace

4'-6"

Thickness of furnace side plates

5/8"

Description of joint

S.R. Lap.

Working

essure of furnace by rules

147.5 lbs

Thickness of Ogee ring

✓

Working pressure of Ogee ring by rules

✓

Thickness of furnace

crown plates

own plates

1/2"

Radius of do.

2'-0"

Stayed by

Hemispher

Diameter of uptake

11" x 16 3/4"

Thickness of uptake

ates

1/2"

Thickness of tube plates

front

3/4"

back

5/8"

Mean pitch of stay tubes in nest

9.09"

Pitch in outer vertical rows

7.32"

iameter of tube holes

FRONT

stay

2 1/16"

BACK

stay

2 1/2"

Working pressure of tube plates by rules

F. 105.1 lbsB. 110.8 "

Tubes: Material

Woot iron

ternal diameter

stay

2 1/2"

Thickness

stay

1 1/32"

No. of threads per inch

9

Pitch of tubes

3 5/8" x 3.661"

Working pressure by rules

125 lbs

Manhole compensation: Size of opening in shell plate

orking pressure by rules

125 lbs

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

5" x 1 1/32"

No. of rivets and diameter of rivet holes

32 off. 2 3/32"

Outer row pitch at ends

4 1/8"

The foregoing is a correct description,

for COCHRAN & CO., AMMAN, LIMITED

J. L. Woodman

Manufacturer.

Dates { During progress of work in shops—
Survey while building { During erection on board vessel—
Total No. of visits

1928 Sept 28. Oct 4. 12. 16. 23 Nov 6

Drawing No. 16583

1929 Jan 7. 18. 30. Feb 9. 18. 21. 22. 26. March 4. 6. 14. 18. 25. 28.

6

Is the approved plan of boiler forwarded herewith

yes

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

This boiler has been built under survey in accordance with the rules and approved plan

The materials and workmanship are good

This boiler is to the order Messrs Burmeister & Wain Copenhagen, and intended for their ship No 552.

This donkey boiler has been fitted on board the above vessel and connected complete to our entire satisfaction.

Two Wier's patent feed pumps 4" x 6" x 8" have been fitted for feeding purpose to the boiler.

Survey Fee

...

...

£

4 : 4 : 0

When applied for

19

Travelling Expenses (if any)

£

:

When received

19

Committee's Minute

GLASGOW 13 NOV 1928

Assigned

TRANSMIT TO LONDON

MONTHLY ACCOUNT

A. Campbell

Engineer Surveyor to Lloyd's Register of Shipping.

JUL 7 1928

See Cn. 1841 No 1942

Lloyd's Register of Shipping

007412 - 007421 - 0140