

Det norske Veritas

First Entry Report

Donkey-Boiler for Steamer

"Brighton"
Kristiania.

(English measure and weight).

Inches.

What kind? *Cochran Patent Boiler.*

Diameter inside (for calculation) 4 feet 9

Height, ~~length~~, total 10 feet 3Furnace ext. Diam. ~~Top~~ - feet

do. - Bottom 4 feet 0

do. ~~Height, length, effective~~ - feet -do. Radius of top ~~or flat~~ 2 feet -Radius of top of Outershell ~~or flat~~ 4 feet 9Number of Cross tubes, ordinary tubes *74.*

Outside diam. of same 2 1/2

Diameter of internal funnel

Is the funnel going through both tops or is it going out at side of shell?

Thickness of Material.

Cylindrical shell 7/16 ~~or~~ 3/8

Outside-top 9/16

Furnace-shell 1/2

do. top 1/2

Combustion Chamber

Back tube plate 5/8

Front tube plate 3/4

Cross tubes or Ordinary tubes *V. H. L. & Co.*Internal funnel *May* 1/4

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Lloyd's Register
Foundation

Stays. What kind? *None*

Number in steam space

do. back of combustion chamber

Effective diam. & pitch.

Number in top of combustion chamber

Effective diam. & pitch.

Outside Shell, Longitudinal Seam, what kind? *Double riv. lap*

do. do. Diameter of rivet holes

do. do. Pitch of rivet holes *2.395 - 2.385 & 2.325*

do. do. Are holes drilled in place or punched? *Drilled*

do. do. Breadth of overlap or buttstrap — —

Inches

23/32

35/8

What material in Boiler:

Plates

Rivets

Stays

} *Steel.*

Net Percentage of Longitudinal Seams in plates *70 %*

do. do. do. in rivets *76.7 %*

Working Pressure, calculated acc. Rule, in shell *100.7* lbs. pr. ☐ In.

do. do. do. in furnace *125* do.

Grate Surface *11 3/4* ☐ Feet

Safety Valves, what kind? *Direct spring loaded.*

do. do. number of *1*

do. do. area of each *4.91* ☐ In.

Safety valves are loaded to *100* lbs. pr. ☐ In.

Are they supplied with easing gear? *Yes*

Can steam from Main Boilers get into Donkey Boiler? *No*

The Mountings are *Two & in order.*

Where is the Boiler placed? *a recess in the stokehold.*

The Boiler is built by *Cochran & Co., Annan Ltd.*
in *Scotland* year *1911*

under the supervision of Veritas.

The Boiler is tested with water to lbs. pr. ☐ In.
the *191*

Inches

Annan the *30th* Nov. 1911

For Cochran & Co., Annan, Limited

(sign) *Charles Crompton*

Builders. Director

The least distance from the boiler, the smokebox, or the funnel to
bunkers or woodwork *12 1/2* Inches.

The Workmanship is

Identification mark on Boiler:

N. V.

No. *487*

Test *200 lbs.*
30 - 11 - 11

O. B. H.

Annan the *30th* Nov. 1911

(sign) *O. B. Hagnaf*
Surveyor.