

DONKEY BOILER - Description Cylindrical multitubular Material Iron
 Made at Flensburg by whom made Flensburger Schiffbau Gesellschaften made 1890 where fixed on Main Deck
 Working pressure 100 lbs. tested by hydraulic pressure to 200 lbs. No. of Certificate 4,10,90 fire grate area 11.5 sq. ft. description of safety valves
 Spring No. of safety valves 2 area of each $1\frac{3}{8}$ " if fitted with easing gear Yes if steam from main boilers can enter the donkey boiler no diameter of donkey boiler $7\frac{1}{2}\frac{3}{4}$ " length $8\frac{1}{2}$ " description of riveting dbl butt stt. treble riv.
 Thickness of shell plates $\frac{1}{2}$ " diameter of rivet holes $1\frac{1}{8}$ " whether punched or drilled drilled pitch of rivets $4\frac{1}{2}$ " lap of plating $7\frac{1}{2}$ "
 per centage of strength of joint 78% thickness of crown plates $\frac{3}{4}$ " stayed by stays $2\frac{3}{4}$ " thread $1\frac{1}{4}$ " brackets an small
 Diameter of furnace, top $3\frac{3}{4}$ " bottom length of furnace 5' 5" thickness of plates $\frac{1}{2}$ " description of joint single but str. single riv.
 Thickness of furnace crown plates $\frac{1}{2}$ " stayed by stays $1\frac{3}{8}$ " thread 8×8 pitch with nuts working pressure of shell by rules 108 lbs
 Working pressure of furnace by rules 121 lbs. diameter of uptake 3 ft. thickness of plates $\frac{9}{16}$ " thickness of water tubes $3\frac{1}{4}$ "

SPARE GEAR. State the articles supplied:— 1 Propeller, 1 tail end shaft compl. $\frac{1}{3}$ crankshaft, 1 slide rod, 1 pair brasses for Conn. rod top & bottom end, 2 bolts for each d, 2 bolts for main bearings, 2 brasses for d, 2 links for pump gear comp., 1 air pump, 1 circul. pump rod, 1 set valves for air, Circul. + ballast pumps, valves + seats for feed + bilge pumps, 20" for Donkey feed pump, 1 set coupling bolts, 2 springs for Safety valves 85° for cylinder escape valves, 25 condenser tubes, 100 fittings for d, 20 Boiler tubes, 1 stay tubes, 1 set fire bars, 12 bolts + nuts for pistons, 1 packing ring + spring for each piston, 6 valves + seats for feed check valves, bolts, studs, nuts, iron of various sizes & assortments.

The foregoing is a correct description, Flensburger-Schiffbau-Gesellschaft, Manufacturer.

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

Materials and workmanship of these Engines and Boilers are of very best description, the outfit and spare gear is ample. I attended a satisfactory trial trip on the 2nd December 1890 when the Machinery gave good results.

The Safety valves of Main- & Donkey Boilers I found correctly adjusted to 165 lbs and 100 lbs. respectively.

The copies of the invoices of the Steel Boiler plates, signed by the testing officers are in my hands.

The forging certificate of the shafting is attached.

The total heating Surface is 3850 sq. ft. and the paying horsepower by rule 245.

I beg to recommend that this vessel be classed in the Register Book and that £MC 12.00 be entered,

If it is submitted that this vessel
is eligible to have £MC 12.00
recorded J J M 8/1/90

Recd 19/1/90
Loyd's

The amount of Entry Fee £ 3: 0: 0 received by me,

Special £ 32: 5: 0

Donkey Boiler Fee £ 2: 2: 0

Certificate (if required) £ 5: 0 27/12/1890

To be sent on margin.
(Travelling Expenses, if any, £ 6. 10. 0.)

19/1/90

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

Committee's Minute

TUES 9 DEC 1890
+ £MC 12/90

Ch. Rieck

Lloyd's Register Foundation