

REPORT ON BOILERS.

No. 25750.
JUES. 24 SEP 1907

Received at London Office

Date of writing Report *Aug 11th 1907* When handed in at Local Office *1907* Port of *Glasgow*
 No. in Survey held at *Dumbarton* Date, First Survey *30th May* Last Survey *12th Sept 1907*
 Reg. Book. on the *Austrian Lloyds Arsenal No. 112.* (Number of Visits) } Gross Tons }
 } Net Tons }
 Master _____ Built at _____ By whom built _____ When built _____
 Engines made at _____ By whom made _____ when made _____
 Boilers made at *Dumbarton* By whom made *Denny & Co (S04256B)* when made *1907*
 Registered Horse Power _____ Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of Steel

(Letter for record _____) Total Heating Surface of Boilers *6855^{sq} ft* Is forced draft fitted No. and Description of Boilers *3 single ended cylindrical Working Pressure 200* Tested by hydraulic pressure to _____ Date of test _____
 No. of Certificate _____ Can each boiler be worked separately _____ Area of fire grate in each boiler *55^{sq} ft* No. and Description of safety valves to each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____
 Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers *14'-9"* Length *11'-8"*
 Material of shell plates *steel* Thickness *1 5/16"* Range of tensile strength *28 1/2 - 32* Are the shell plates welded or flanged *no*
 Descrip. of riveting: cir. seams *double lap* long. seams *triple butt* Diameter of rivet holes in long. seams *1 3/8"* Pitch of rivets *9 1/2"*
 Lap of plates or width of butt straps *20"* Per centages of strength of longitudinal joint rivets *92* Working pressure of shell by plate *85*
 rules *202* Size of manhole in shell *16x12"* Size of compensating ring *M. Nuts* No. and Description of Furnaces in each boiler *3 Deighton's* Material *steel* Outside diameter *46 1/4"* Length of plain part top Thickness of plates crown } *5/8"* bottom } *5/8"*
 Description of longitudinal joint *weld* No. of strengthening rings Working pressure of furnace by the rules *217* Combustion chamber plates: Material *steel* Thickness: Sides *2 1/32"* Back *2 1/32"* Top *2 1/32"* Bottom *2 1/32"* Pitch of stays to ditto: Sides *9 1/8"* Back *8 1/4 x 8"* in *25'*
 Top *9 x 7 1/2"* If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *206* Material of stays *iron 2 1/2"* Diameter at smallest part *1.73* Area supported by each stay *72^{sq} in* Working pressure by rules *200* End plates in steam space: Material *steel* Thickness *1"*
 Pitch of stays *15'-15 1/2"* How are stays secured *2 nuts* Working pressure by rules *202* Material of stays *steel* Diameter at smallest part *5'-00"*
 Area supported by each stay *232^{sq} in* Working pressure by rules *217* Material of Front plates at bottom *steel* Thickness *7/8"* Material of Lower back plate *steel* Thickness *2 1/2"* Greatest pitch of stays *13"* Working pressure of plate by rules *245* Diameter of tubes *2 1/2"*
 Pitch of tubes *3 3/4 x 3 3/4"* Material of tube plates *steel* Thickness: Front *1 1/4 3/8"* Back *3/4"* Mean pitch of stays *7 1/2"* Pitch across wide water spaces *13 1/2"* Working pressures by rules *560 & 224* Girders to Chamber tops: Material *steel* Depth and thickness of girder at centre *10" x 3 1/4"* Length as per rule *32* Distance apart *7 3/4"* Number and pitch of Stays in each *(2) 9"*
 Working pressure by rules *206* Superheater or Steam chest; how connected to boiler *none* Can the superheater be shut off and the boiler worked separately _____ Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____ Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
 If stiffened with rings _____ 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 _____

The foregoing is a correct description,
Denny & Co. Manufacturer.

Dates of Survey while building: During progress of work in shops - *1907 May 30 June 6. 13 July 1. 8. 9* Is the approved plan of boiler forwarded herewith *yes to be returned to office.*
 while building: During erection on board vessel - *Aug. 6. 12. 15-23 Sep 2. 12* Total No. of visits *12*

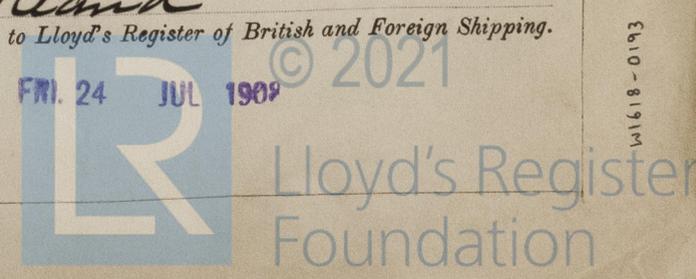
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *As far as completed these boilers have been built under special survey, the materials and workmanship are of good description. To complete this survey the boilers have to be put together, riveted, stays & tubes fitted and the boilers tested by hydraulic pressure 1.400 lbs per sq inch. (Jobs forwarded in pieces to District)*

Survey Fee ... £ 70 : When applied for, *23 SEP 1907* 19
 Travelling Expenses (if any) £ : When received, *3. 9. 08*

A. McLeod
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Glasgow 23 SEP 1907

Committee's Minute
 Assigned *Deferred for completion*



1618-0193

For Enclosure to

Floyde

DENNY & Co., Dumbarton.

No.....

(5000002) *gr* *quadr*

811051 *quadr*

45000

quadr



© 2021 Lloyd's Register Foundation

Handwritten notes and calculations, including '10 1/2' and '13 1/2'.

Handwritten note: '10 1/2'

Large handwritten table or ledger with columns of numbers and text, including '10 1/2', '13 1/2', and '500'.

Handwritten signature or name: 'James D. D.'.

Vertical handwritten text on the left margin.