

(Plate of 2)

to the screw shaft <sup>and fitted with a sluice door</sup> <sup>worked from</sup>  
**BOILERS, &c.** *(Auxiliary) to be used for refrigerating purposes, also Condensing for supplementary feed to main boilers*  
 Number of Boilers \_\_\_\_\_ Description *Round horizontal* Whether Steel or Iron *Steel*  
 Working Pressure *80 lbs* Tested by hydraulic pressure to *160 lbs* Date of test *17<sup>th</sup> October 1884*  
 Description of ~~superheating apparatus on~~ steam chest *None connected to boiler by neck tube (iron)*  
 Can each boiler be worked separately  Can the superheater be shut off and the boiler worked separately   
 No. of square feet of fire grate surface in each boiler *35 ft<sup>2</sup>* Description of safety valves *Fixed Spring* No. to each boiler *Two*  
 Area of each valve *9.62"* Are they fitted with easing gear *Yes* No. of safety valves to superheater  area of each valve \_\_\_\_\_  
 Are they fitted with easing gear  Smallest distance between boilers and bunkers or woodwork *18"* Diameter of boilers *12' 3 1/2"*  
 Length of boilers *8' 11 1/2"* description of riveting of shell long. seams *Double butt straps* circum. seams *Double riveted* Thickness of shell plates *1 1/16"*  
 Diameter of rivet holes *3/8"* whether punched or drilled *Drilled* pitch of rivets *3 1/4" x 1 1/8"* Lap of plating *Straps 10"*  
 Per centage of strength of longitudinal joint *93%* working pressure of shell by rules *80 lbs* size of manholes in shell *16" x 13"*  
 Size of compensating rings *Doubling plate fitted* No. of Furnaces in each boiler *Two*  
 Outside diameter *3' 4"* length, top *6 ft* bottom *8' 0"* thickness of plates *8/16"* description of joint *Double butt straps* if rings are fitted *no*  
 Greatest length between rings  working pressure of furnace by the rules *84 lbs* combustion chamber plating, thickness, sides *9/16"* back *9/16"* top *8/16"*  
 Pitch of stays to ditto, sides *9" x 9"* back *9" x 9"* top *8 1/2" x 9"* stays are fitted with nuts or riveted heads *Nuts* working pressure of plating by rules *93 lbs* Diameter of stays at smallest part *1 1/4"* working pressure of ditto by rules *84 lbs* end plates in steam space, thickness *13/16"*  
 Pitch of stays to ditto *16" x 17"* how stays are secured *by double nuts* working pressure by rules *84 lbs* diameter of stays at smallest part *2 1/4"* *did = 2.86 in* working pressure by rules *84 lbs* Front plates at bottom, thickness *13/16"* Back plates, thickness *19/16"*  
 Greatest pitch of stays  working pressure by rules  Diameter of tubes *3"* pitch of tubes *1 1/2" x 1 1/2"* thickness of tube plates, front *1/16"* back *1/16"* how stayed *by tubes* pitch of stays *8 1/2" x 12 3/4"* width of water spaces *6"*  
 Diameter of ~~Superheater or~~ Steam chest *4 ft* <sup>height</sup> *5' 2"* <sup>length</sup> *including neck* thickness of plates *1/16"* description of longitudinal joint *double riveted* diam. of rivet holes *3/8"*  
 Pitch of rivets *3 1/4"* working pressure of shell by rules  diameter of flue  thickness of plates  If stiffened with rings   
 Distance between rings  working pressure by rules  end plates of ~~superheater or~~ steam chest; thickness *15/16"* how stayed *by double nuts*  
 Superheater or steam chest; how connected to boiler *by neck tube 18" diam*

*J. S. Linnis*

*James Molles Register Foundation*

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Form No. 8-1884-1/24 - Francis. Ink.

|                                |   |   |                 |
|--------------------------------|---|---|-----------------|
| The amount of Entry Fee .. £   | : | : | received by me, |
| Special . . . . . £            | : | : | }               |
| Donkey Boiler Fee .. . £       | : | : |                 |
| Certificate (if required) .. £ | : | : |                 |

To be sent as per margin.

(Travelling Expenses, if any, £.....)

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

Committee's Minute

FRIDAY 16 JAN 1885

