Are the bilge suction pipes, cocks, and valves arranged so as to prevent any nication between the sea and the bilges Glasgow Report No. 17024

When are stern tube, propeller, screw shaft, and all connections examined in dry dock Is the screw shaft tunnel watertight

Is it fitted with a watertight door worked from

S.S. Canadia (Donkey Boiler)

DONKEY BOILERS, &c.— (Letter for record S) Total H g Surface of Boilers 731 ☐ Is forced draft fitted No

No. and Description of Boilers One, Single Ended Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs

Date of test 26/4/99 Can each boiler be worked separately ✓ Area of fi ate in each boiler 33 ☐ No. and Description of safety valves to each boiler Two, direct spring Area of each valve 3.98 ☐" Pressure to which they are adjusted 185 lbs ☐" Are they fitted with easing gear Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 14" Mean dia. of boilers 10'-0 21/32" Length 9'-0" Material of shell plates Steel

Thickness 27/32" Range of tensile strength 29/32 Are they welded or flanged Neither Descrip. of riveting: cir. seams Double R Lap long. seams Treble R Butt.

Diameter of rivet holes in long. seams 7/8" Pitch of rivets 5 3/4" ~~Lap of plates or~~ width of butt straps 12 5/8 × 13/16 12/16 Int Out

Per centages of strength of longitudinal joint rivets 92.2 plate 84.7 Working pressure of shell by rules 182 lbs Size of manhole in shell 16" × 12

Size of compensating ring 16" × 27/32" No. and Description of Furnaces in each boiler Two, Morrison Material Steel Outside diameter 40"

Length of plain part top 4" bottom 25" Thickness of plates crown bottom 1/2" Description of longitudinal joint Welded No. of strengthening rings None

Working pressure of furnace by the rules 188 Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16"

Pitch of stays to ditto: Sides 7 1/2 × 7" Back 7 3/8 × 7 Top 8 × 7 1/2" If stays are fitted with nuts or riveted heads Nuts inside Working pressure by rules 182

Material of stays Steel ~~Diameter~~ area at smallest part 1.47 2.09 ☐" Area supported by each stay 60 ☐" Working pressure by rules 196 End plates in steam space:

Material Steel Thickness 15/16" Pitch of stays 15" × 15" How are stays secured Double Nuts & 7/16 Washers Working pressure by rules 185 Material of stays Steel

~~Diameter~~ area at smallest part 4.43 ☐" Area supported by each stay 225 ☐" Working pressure by rules 197 Material of Front plates at bottom Steel with 7/16 double.

Thickness 13/16" Material of Lower back plate Steel Thickness 11/16 Greatest pitch of stays 14" Working pressure of plate by rules 301

Diameter of tubes 3" Pitch of tubes 4 1/2" Material of tube plates Steel Thickness: Front 13/16" Back 11/16" Mean pitch of stays 8 1/2"

Pitch across wide water spaces 14" Working pressures by rules with 13/16 doubler 270 lbs Girders to Chamber tops: Material Iron Depth and

thickness of girder at centre 6" × 1 3/4" Length as per rule 24" Distance apart 7 1/2" Number and pitch of Stays in each Two, 8"

Working pressure by rules 197 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 David Rowan & Co Manufacturers George Murdoch Glasgow

for J. Mc

GLS184-0111

Is a Report also sent on the Hull of the Ship?

[2000—30/1/99—Copyable Ink.]