

D.A.D.G. 76

Bloom & Pass 386.

Engine Single Screw  $720 - \frac{1020 - 1460}{1400} - 2090$   $\frac{28\frac{3}{4} - 40 - 57\frac{1}{2} - 82\frac{1}{2}}{55\frac{1}{2}}$

16 Atm HP = 227 hp

4200 IHP @ 80 revs

Shafting		RULE	MADE
Tunnel shafts supported by 2 bearings		392	395
Thrust Collars		411 $\frac{1}{2}$	422
Crank (Balanced webs)		411 $\frac{1}{2}$	{ 415 body 420 pin
Screw continuous liner		424	430

Propeller 5900 dia 5400 pitch

Pumps Air  $\frac{\text{Dia}}{100}$  } 600" Stroke  
Main Engine 2 Feed }  
2 Bilge } 120

Pumping arrangements

Forepeak 70" suction

No 1 Hold wing bilge 100 dia DB Tank 125" suction

No 2 " " " "

No 3 " " " "

No 2 DB Tanks in way of No 2 & 3 hold.

Port & Starboard 125 suction each side Centre line

100 " at wing

I & B Space Blastom 2 x 100 wing bilge

No 4 & 5 DB tanks in boiler room suction 125 dia each side Centre line

No 6 & 7 " " " " Duplom freshwater connection to feed pump

Centre tank " " 1 x 100 suction

Duplom bilge wing suction 100" dia

In Suction 350 Bilge In 300

No 4 Hold. wing bilge suction 100 DB Tank 100" suction each side

No 5 " Double DB tank for use for drinking water

" " ballast 100 suction each side

wing bilge 100 dia

No 6 " " " " DB Tank 1 x 125 suction

After peak Cock to tunnel

Tunnel well 2 x 50 dia

U/195-00 47(112)



# Boilers

4 Single End multitubular

4840 dia x 3730 15' - 10 1/2' x 12' - 2 1/4'

16 Alt. WP = 22760

Total heating Surface 12,880 sq

plate surface 1 boiler 66.8 sq

Material:- Shell & Stays 46-54 kg gun

Shell 38 1/2  $\frac{34.8 \times 24.75 \times 46 \times 85}{4840 \times 44} = 15.9$  Alt. handole ring 46-49

Belt Stays Scalloped 85% made riders + belt stays 44-50

37 inside 32 out. rivets 41 dia

handole ring 33 x 350 hole 400 79% = 14.8 Alt. Shell at ring.

Ends 28  $\frac{28^2 \times 3330}{400 \times 380} = 17$  Alt.

in stays 3 dia set  $\frac{7.3 \times 73 \text{ area} \times 100}{400 \times 380} = 20$  Alt.

Flues 18 1/2  $\frac{416 \times 14.3}{1165} = 14.3$

Suspension  $\frac{2860 \times 20^2}{265 \times 363} = 20.8$

Lower Back 20  $\frac{2860 \times 20^2}{265 \times 363} = 20.8$

Short wide water way  $\frac{24^2 \times 2880}{360^2} = 16.2$

C.C. platens 18  $\frac{18^2 \times 2430}{200^2} = 19.6$

Lower part well stayed

C.C. bottom 18 1/2 with double Tee bars

Krew stays 15 387 dia = 17.9 Alt. at 200 pitch

margin 2" 47.62 = 21 Alt.

Tubes 79.4 dia plain 4 1/2" thick stay tubes 9 1/2" thick

stay tubes alternate 218 x 218 pitch

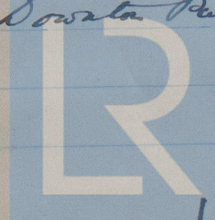
riders  $\frac{750 \times 240^2 \times 36}{845 \times 675 \times 200} = 16.7$

Boilers well stayed throughout

Note:- This flue was not examined.

There does not appear to be a Downcomer Pump or separate

by suction



Lloyd's Register

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