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Sunderland

THE BRITISH CORPORATION REGISTER  
OF SHIPPING AND AIRCRAFT

BOILERS, AIR RECEIVERS, & c.

Report No. .... No. in Register Book .....

*Felling out NO 1355*

Ship *Transport Ferry* .....

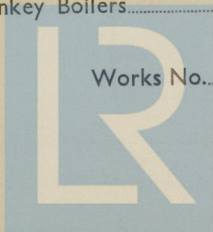
Makers of Engines *Geo C. L R* .....

Works No. ....

Makers of Main Boilers *Balcock & Wilson Ltd.* .....

Works No. *10/1650 Boilers 11012* .....

Makers of Donkey Boilers .....



Works No. ....

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003245-003251-0108

## BOILERS—CYLINDRICAL MULTITUBULAR

Makers

No. of boilers

Works No.

Type, single or double ended

No. and type of furnaces in each

Plan No. and date of approval

Approved working pressure

Hydraulic test pressure

Greatest internal dia.

length

shell thickness

Heating surface each

sq. ft.

Grate surface each

sq. ft.

System of draught

No. of fans

driven by

Fuel

Makers of plates

" " stay bars

" " rivet bars

" " rivets

" " furnace plates

" " furnaces

" " tubes

Dates of hydraulic tests

Stamp marks and position of marks on boiler

## BOILERS—CYLINDRICAL MULTITUBULAR, Contd.

Maker of safety valves

No. of safety valves each boiler

Rule dia.

Actual dia.

Are safety valves fitted with easing gear?

Date of setting safety valves

Pressure at which valves were set

Date of accumulation test

Max. pressure under accumulation test

Particulars of mountings on each boiler

No. of pressure gauges

No. of water gauges

No. of test cocks

No. of salinometer cocks

No. of blowdown valves

No. of scum valves

No. of feed check valves

No. of main and aux. steam stop valves

Are the water gauges fitted direct to the boiler shells or mounted on pillars?

Are the water gauge pillars fitted direct to the boiler shells or connected by pipes?

Are these pipes connected to boilers by cocks or valves?

Are main and aux. stop valves fitted with drains?

Are boilers fitted with internal circulators?

" " " " air heaters?

" " " " collision chocks?

" " " " rolling stays?

" " " " superheaters?



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## BOILERS—CYLINDRICAL MULTITUBULAR, Contd.

## SUPERHEATERS—Makers

Type

Are superheater tubes in combustion chambers and/or smoke tubes?

Designed max. steam temperatures

Material and size of tubes

Can superheaters be shut off while boilers are working?

No. of safety valves on each superheater

dia.

Are safety valves fitted with easing gear?

Date of hydraulic test

Test pressure

" " setting safety valves

Pressure on valves

## BOILER CONSTRUCTION

Are all scantlings and construction in accordance with the approved plans and the rules?

If not, give details

RIVETING—State type of riveting employed on different seams—hand, pneumatic or hydraulic and in the latter case, state size of rivets and closing pressure in tons

WELDING—State which seams are welded and give particulars of electrode, procedure, weld tests and heat treatment, etc.

## BOILERS—WATER TUBE

Makers *Babcock & Wilcox Ltd.*

No. of boilers

2

Works No.

*10/1650 nos 11 & 12.*Type *Admiralty 3 drum small tube express boilers*

Plan No. and date of approval

Approved working pressure

*225 lb*

Hydraulic test pressure

*384 lb*

Heating surface each

*5325*

sq. ft.

*CCV**450*

sq. ft.

System of draught

*Forced (closed stokehold)*

No. of fans

driven by

Fuel

*Oil*

Makers of plates

*Cochran & Co. Ltd.*

" " forged drums

" " dished ends

" " headers

" " rivet bars

" " rivets

" " water tubes

" " superheater tubes

Are boilers fitted with airheaters?

*no*

" " " " superheaters?

*no*

Designed max. steam temperature

Date of hydraulic test

Stamp marks and position on boilers

*Above manhole on steam drum**NO 11 Boiler**BC Test**NO 7443**387 lb**225 lb**A.C.**1-12-44**NO 12 Boiler**BC Test**NO 7444**387 lb**225 lb**A.C.**7-12-44*

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## BOILERS—WATER TUBE, Contd.

No. and position of safety valves on each boiler *One double high left on steam drum*Rule dia. actual dia. *4"*Are safety valves fitted with easing gear? *yes*Date of setting safety valves *-*Pressure at which valves were set *-*Date of accumulation test *-*Maximum pressure under accumulation test *-*

No. and particulars of boiler mountings on each boiler

Pressure gauge *2*Water gauges (No., type and position) *2 glass tube on steam drum*Test cocks Sallnometer cocks *1- 3/8"*Main check valve *1 - 2"* Aux. check valve *1 - 3"*Type of automatic feed regulators *Weirs*Scum valve *1 - 3/4"* Blow down valve *1 - 1 1/4"*Main stop valve *1 - 7 1/2"* Aux. stop valve *1 - 4 1/2"*Are stop valves of self closing type? *Main - no! Aux - yes*

Other mountings

How are boilers secured to seating?

## BOILERS—WATER TUBE, Contd.

## BOILER CONSTRUCTION

Are all scantlings and construction in accordance with the approved plans and the rules?

If not, give details

Are drums of riveted, seamless or welded type?

*Steam drum riveted  
water pockets forged with manhole end riveted*

RIVETING—State type of riveting employed on different seams—hand, pneumatic or hydraulic, and in the

latter case, state size of rivets and closing pressure in tons.

*Butts on steam drums hyd ends <sup>52 tons</sup> hand rivet  
manhole ends on WP's hyd riveted 78 tons*

WELDING—State which seams are welded and give particulars of electrodes, procedure, weld tests and

heat treatment, etc.



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## BOILERS, VERTICAL

Makers

No. of boilers

Type

Works No.

Plan No. and date of approval

Approved working pressure

Hydraulic test pressure

Greatest internal dia.

height

shell thickness

Heating surface each

sq. ft.

Grate surface each

sq. ft.

System of draught

Fuel

Makers of plates

,, ,, stay bars

,, ,, rivet bars

,, ,, rivets

,, ,, tubes

Date of hydraulic test

Stamp mark and position on boiler

No. of safety valves each boiler

Rule dia.

Actual dia.

Date of setting safety valves

Pressure at which valves were set

Date of accumulation test

Max. pressure under accumulation test

## BOILERS, VERTICAL, Contd.

## BOILER CONSTRUCTION

Are all scantlings and construction in accordance with approved plans and the rules?

If not, give details

RIVETING—State type of riveting employed in different seams—hand, pneumatic or hydraulic

WELDING—State which seams are welded and give particulars of electrodes, procedure, weld tests, and heat treatment, etc.



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## AIR RECEIVERS

Makers \_\_\_\_\_ Works No. \_\_\_\_\_

No. of receivers \_\_\_\_\_ purpose and position \_\_\_\_\_

Approved WP \_\_\_\_\_ Plan No. \_\_\_\_\_ Date of approval \_\_\_\_\_

Type—riveted, seamless, forge welded, fusion welded \_\_\_\_\_

Internal dia. \_\_\_\_\_ length \_\_\_\_\_ shell thickness \_\_\_\_\_ capacity each \_\_\_\_\_ cub. ft. \_\_\_\_\_

Makers of shell plates \_\_\_\_\_

„ „ ends \_\_\_\_\_

„ „ rivet bars \_\_\_\_\_

„ „ rivets \_\_\_\_\_

Are receivers fitted with openings or manholes \_\_\_\_\_

Are safety valves fitted on the receivers? No. \_\_\_\_\_ dia. \_\_\_\_\_

Are receivers fitted with fusible plugs? \_\_\_\_\_

Are drain valves fitted at lowest part of receiver? \_\_\_\_\_

Are the scantlings and construction in accordance with the approved plans and the rules? \_\_\_\_\_

Are longitudinal seams hydraulic or hand riveted? \_\_\_\_\_

Are circumferential seams hydraulic or hand riveted? \_\_\_\_\_

Welded receivers—particulars of electrodes, weld test, etc., to be given on page 78 or separate report \_\_\_\_\_

Date of hydraulic test \_\_\_\_\_ Hydraulic test pressure \_\_\_\_\_

Date of setting safety valves \_\_\_\_\_ Pressure at which valves were set \_\_\_\_\_

Marks stamped on receivers \_\_\_\_\_

## SPARE GEAR



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[illegible]

Has welded construction been approved for any part of the machinery?

State which major parts are so constructed and give particulars of electrodes, procedure, weld tests and heat treatment, etc.



## ELECTRIC WELDING, Contd.

## GENERAL CONSTRUCTION

Have machinery and boilers been constructed in accordance with the requirements of the rules and the approved plans? *Yes* If not, give details

Are the materials used in the construction of engines and boilers, so far as could be seen, sound and trustworthy? *Yes*

Is the workmanship throughout thoroughly satisfactory?

*Yes*

The above correctly describes the machinery of the

as ascertained by <sup>me</sup> from personal examination

*Starris*

Surveyors to the British Corporation Register  
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GENERAL CONDITIONS

These conditions and policy have been approved in accordance with the requirements of the rules and the

approved plan. 1/2-1/2 If not the double

And the material used in the construction of vessels and buildings to be so made be made, sound and

constructed

is the relationship throughout thoroughly satisfactory

The above conditions describe the nature of the

is intended by the above general conditions

Signature of the British Corporation Registrar  
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