

G L A S G O W.

15th October, 1917.

G. D. RITCHIE.

the Owners attend on board the Steel Screw Steamer "CLAN  
MACPHERSON" lying in the Dry Dock at Govan, Glasgow, on the  
28th August, 1917. for the purpose of ascertaining the nature &  
extent of damage stated to have been sustained to the Machinery  
through a collision with the S.S. "SCINDIA" of Glasgow on the  
24th July, 1917 off Corsewall Point, and the flooding of the  
Machinery spaces in consequence.

For further particulars see Log Books.

The undersigned recommend that the Cylinders, Pistons,  
Slide Valves, Crank, Thrust & Tunnel Shafts, the Pumps and all  
Auxiliary Machinery and the Boilers be opened up and cleaned for  
survey, that the Screw Shaft be drawn in for examination, the  
sea connections be opened up and the Condenser doors removed and  
the condenser tested. On examination, the undersigned found  
the following defects and made the accompanying recommendations  
for Repairs.



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FOUND.

RECOMMENDED.

Bottom wood of Stern bush worn.

To be re-wooded.

The White Metal in the H.P. crown  
brass defective.

To be remetalled.

A Dowel Pin in the L.P. Crank  
Shaft started.

A new Dowel Pin to be fitted.

The non-Conducting Composition  
on the Main Steam Pipes damaged.

The Pipes to be annealed  
and tested by water pressure,  
refitted in place and  
re-covered.

The Non-Conducting Composition on  
the evaporator, auxiliary Steam  
Pipes and Main Boilers damaged.

New Covering to be fitted  
complete.

The Piston Rings of Steam and Water  
Cylinders of the Ballast Pump worn.

New Rings to be fitted.

Seams on the Shells and in the  
Combustion Chambers of Main Boilers  
leaking.

To be Caulked as necessary.

Some Tubes in Main Boilers leaking. To be expanded.

Steam and Vacuum Gauges and  
electric meters affected.

To be removed to the Works  
tested, adjusted and refitted.

Engine Room Clock damaged.

To be renewed.

Engine Room Store Door and  
fittings damaged.

To be repaired.

The following sea connections  
in way of collision damage  
destroyed viz:-

Evaporator blow off Cock, Ash Cock,  
Feed Tank Cock, One Main Boiler  
blow off Cock.

To be renewed and pipes in  
connection renewed as necessary.



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FOUND.

A Number of Condensers Tubes  
and Ferrules defective.

Bilge and Tank Pipes in way of  
collision damage broken or  
damaged.

Engine Counter damaged.

Dynamo Engine.

Dynamo.

Electric Wiring in Engine & Boiler  
Spaces, Navigation Wiring and

Electric Wiring in Crew's space  
defective.

RECOMMENDED.

All Tubes to be drawn, cleaned  
and tested, and 50 Tubes and  
about 1500 Ferrules renewed.

Condenser repacked and tested.

To be renewed as necessary.

To be put in order.

To be opened out and overhauled.

To take to Works, Commutator

to be turned, Brush Gear to be

put in order, the Armature

and Magnets to be re-wound

and all refitted in place.

To be re-wired throughout and  
the complete electric installation

tested and the Switch Board  
overhauled.

Also recommended that the evaporator and pump in way of  
collision damage be removed and afterwards replaced and coupled  
and the Engine room and Stokehold platforms be refitted and  
six Stokehold Plates renewed.

Surveyor to Lloyd's Register.



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