

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 re-metalled.

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.

RECOMMENDED.

A Number of Condensers Tubes
and Ferrules defective.

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

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

Condenser repacked and tested.
To be renewed as necessary.

Engine Counter damaged.

To be put in order.

Dynamo Engine.

To be opened out and overhauled.

Dynamo.

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.

Electric Wiring in Engine & Boiler
Spaces, Navigation Wiring and
Electric Wiring in Crew's space
defective.

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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