

PORT
of MONTREAL.

August 26th, 1925.

THIS IS TO CERTIFY that

- W. J. ALDERSON -

the undersigned Surveyor to this Society did at the request of the Owners' Representative, attend on board the S. S. Tug "OCEAN KING" 196 gross tons of Quebec, for the purpose of ascertaining the nature and extent of the damage stated to have been sustained when the vessel was sunk in collision with the S. S. "MARLOCH" off Quebec on June 26th, 1925.

For further particulars see protest.

On the 14th of August 1925 the vessel having been raised and placed in the Lorne Dry Dock, the undersigned made examination and recommended the following repairs:

S H E L L

Bar keel overhaul rivetting and caulking end to end.

STARBOARD SIDE

K plate No. 4, fair in place.
K " No. 5, renew.

A Strake plate No. 5, fair in place.
A " " No. 7, renew.

B Strake plate No. 2, off fair and refit.
B " " No. 3, fair at top forward corner.
B " " No. 4, off fair and refit.
B " " No. 6, renew.
B " " No. 7, renew.

C Strake plate No. 2, off fair and refit.
C " " No. 4, off fair and refit.
C " " No. 5, off fair and refit.
C " " No. 6, renew.



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D Strake Plate No. 4. fair in place.
D " " No. 5. fair in place.
D " " No. 6. renew
D " " No. 7. renew.

E Strake plate No. 6. renew
E " " No. 7. renew

F Strake plate No. 6. renew.

Bulwark plate starboard side belowforward end of bridge fair in place.

Starboard Internals

5 side frames renew abreast main engines.

3 floors renew abreast main engines with all connections.

3 intercostal plates renew abreast main engines with all connections.

Side stringer and all its connections renew from the bulkhead aft to a convenient butt forward of the damage.

Foundation plate under bedplate starboard side renew throughout as before.

Dynamo seating rebuilt to conform with new dynamo.

Engine room floor plates and bearer angles renew as necessary.

SHELL PLATING

Port Side

K plate No. 2. fair in place.
K " No. 4. fair in place.

A strake plate No. 3. fair in place.
A " " No. 6. fair in place.

B Strake plate No. 2. off fair and refit
B " " No. 5. fair in place
B " " No. 6. off fair and refit

C Strake plate No. 2. Off fair and refit
C " / No. 3. fair in place at D-4
C " " No. 4. off fair and refit
C " " No. 5. Off fair and refit
C " " No. 6. off fair and refit (Ballast injection in way)

D strake plate No. 5. fair in place.
D " " No. 6. fair in place.
D " " No. 7. fair off fair and refit.

One bulwark plate port side of stern off and fair

One bulwark plate adjeining fair in place.

Hardwood wale to be renewed from butt amidships, starboard side continuously to around stern to butt about 200 feet forward of stern on port side.

Refasten face plates right around ship and supply and fit two new lengths.

Renew 1 length of bottom angle on wale in way of breach starboard side.



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Renew face plate on after vertical fender starboard side.

Renew port hawse pipe with deck flange complete and rerivet starboard hawse pipe flange to shell.

Port No. 1 stringer plate in way of hawse pipe crop and renew forward section with doublet butt strap.

Anchors and cables to range and examine.

Anchor davit now on scow to refit in place.

Windlass open throughout clean overhaul reline break straps and close in all in order.

Timber head port side No. 2 renew.

Foremost renew complete with fittings, fixtures and rigging, etc. set up and secured.

Steering chain casing each side renew wood and refasten steel casing.

One 18" port light glass renew each side of saddle back. (2)

Renew life belt boxes 1 each side.

Stowage room port side after end of deck house, renew wood shelves cupboard also renew 2 port light glasses.

Main mast renew complete as before with all fittings, rigging and bolster at bridge deck.

Angle traveller at towing hook off fair and refit.

Angle iron at traveller over companion aft of engine room rerivet in order.

Engine room skylight glasses, renew 6 and overhaul frames, screws and joints, this is to apply to all port lights in vessel.

Wood chafing top after end of engine room casing renew.

Wood frames and beams also grating over quadrants to renew.

Renew monkey rail 35 feet on port side of bulwarks aft.

Skylight on after deck refit two covers with new hinges and fittings as necessary, also 2 new glasses.

Renew wood door and frame complete to after companion.

Wash plate in after peak tank cut adrift and fair in place two angle stiffeners fitted. Deck beams in way where set down from bulkhead to transom floor to be cut adrift and jacked up with the deck. All clips and beams in way to be reriveted.

Wood deck in way to be lifted in way of these beams to nearest butts and to be relaid on completion.

Recalk and pay wooden deck aft throughout.

1 life buoy clip renew port side of engine room door.



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Iron doors to engine room aft to be overhauled.

Renew 1 ventilator cowl and casing at forward end starboard side of engine room casing.

After end of deck house, lamp room at starboard side renew as before, shelves, etc. etc.

Two oil tanks in lamp locker remove clean and replace.

Toilet. Metal flushing tank, seat and casing renew, also renew 1 portlight, brass louvre in door renew, overhaul door and clear piping.

Overhaul steel door to stokehold.

Galley. Refit complete with shelves, cupboards, china racks, table, seats, wood lining at forward end stove and sink. Overhaul and refit hand pump.

Cement galley floor, renew funnel to galley stove.

Refit galley doors 1 port and 1 starboard.

New door and frame to forward companion.

Sounding pipes, scuppers and hand pumps with the tail pipes to be cleared, overhauled and put into working order.

Freeing ports starboard and port side to be made workable.

Bulb angle under fore side of bridge renew from side to side of the deck; similar angle starboard side forward to be cropped and renewed about 12 feet long, fit butt strap at new joint.

Two vertical angle stanchions under fore side bridge deck forward renew with brackets as before.

Stringer plate under bridge taking hood ends of planking renew to existing butt; side stringer plate in way crop and renew about 10 feet; Bulwark rail fair in place and one section crop fair and refit about 20 feet with butt straps.

Two boat deck beams crop inside galley renew starboard ends, butted and strapped.

Wood wheelhouse and captains cabin to be renewed on existing casing, all as before.

Flag and other locker (2) renew as before.

Steering engine opened overhauled, cylinders tested to 200 lbs pressure and all replaced in order, 1 rawhide pinion renew, also renew wood steering wheel.

All steering chains to be removed, annealed, repaired and replaced including removal of rods and refitting same.

Quarter blocks, guide sheaves and pins open adjust and replace with new pins as necessary.

Speaking tube from wheelhouse to engine room put into working order.

Port and starboard ~~tele~~ telegraphs, bridge to engine room, overhaul throughout including all chains, their guide wheels and brackets and renew the port stand of cast iron, renew glasses as necessary. Repair engine room telegraph.



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Renew telegraph wire casing of wood throughout as before.

Bridge front and side, wood, renew with teak rail also brackets, grounds and fittings as before.

Port and starboard sidelights and screens renew complete with brackets.

Bridge wood deck renew throughout with covering board and nosing including all deck pads, rings, and other fittings and fixtures as before, using all available existing parts.

Port Life Boat

Forward davit renew.

Checks to refit.

Supply one new lifeboat complete with covers and regulation fittings also falls, blocks, swivels, etc. from davit head to boat.

Starboard life boat

To be overhauled and regulation equipment supplied also new canvas cover, blocks and falls from davit head to boat.

Boat checks refit and both davits removed heated and faired.

After end of bridge deck iron rails and stanchions aft and at each side to be renewed with shifting rail and gangways as before.

1 wooden companion ladder about 6 feet wide from bridge deck to top of engine room casing renew, also 1 about 4 feet wide top of engine room casing to deck, also 1 about 3 feet wide top of bulwarks to deck.

Two 18" ventilator coamings and cowls renew to stokehold.

Two 6" ventilators forward of funnel renew together with cowls the starboard coaming refit after fidley too has been faired in way.

Screen between captains room and funnel about width and height of cabin renewed as before.

Top of wheel house. Brass rails and stanchions renew as before also renew ladder for access deck to top of house.

Funnel. Lift out from top of uptake and renew, the bottom section and umbrella to be used if practicable.

Galley funnel fitted internally as before, guys to be renewed with rigging screws, etc. complete

Copper waste steam pipe also whistle pipe with double whistle renew complete with brackets to funnel.

Iron exhaust pipe after side of funnel renew as before with new deck flange, refit existing clips.

Fit new steel hinged cover to fidley grating.

Fore peak and tank clean out and test.



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3 lower deck beams steel angle, with tie plates as before renew.
Stringer port side cut adrift fair and rivet and renew wood deck.
Small steel drain tank reset and clean in order.
8 metal bunks replace in good order with new material as required.

All internal wood work in these quarters including second engineers room, wireless room (no installation aboard) cupboards, shelves, lockers, tables, seats, washstand, etc. to be renewed as before, including any fittings and fixtures, also renew lining as before.

Companion ladder renew from main deck down.

Deep tank forward of stokehold to be opened, cleaned out and cement washed.

After Accomodation in Stern

Renew all wood work as before including two cabins, all bunks and bunk boards, lockers, table, seats, lining, wash stands, fittings and fixtures and companion ladder all as before.

Heating system throughout refit as before using in all available existing material.

Electric Light

Switchboard to be reconditioned with all new instruments, switches, etc. as necessary and to be refastened to ships side as before.

All wiring throughout to be renewed including distribution boxes, junction boxes, switches, lamp sockets, and lamps also navigating lights, fittings, searchlight and its connections renew complete as before.

Masthead lights, fore and main, renew as before.

After peak tank test.

All watertight doors overhaul and made tight and workable.

Lift rudder examine and replace and overhaul bearing at deck.

All internal metal surfaces, bulkheads, shell and otherwise to be thoroughly cleaned, given 1 priming coat and two coats of good oil paint, bunkers to be cleaned out and given two coats of bitumastic composition.

All wood work new and existing to be painted as before Owners colors.

Deck houses, new and existing, to be thoroughly cleaned and painted to Owners requirements internally and externally.

Decks cleaned and given a coat of oil

All upper works, funnel, etc. etc. painted as before.

Bulwarks painted as before.

Shell. One coat of boot-topping, also 1 coat of anti-corrosive and 1 coat of anti-fouling, draft marks painted stem and stern.

Any broken and disturbed cement in way of these repairs to be made good.



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MAIN BOILER

To be stripped entirely, including removal of firebars, bridges, furnace fronts, all lagging taken off, pipes disconnected mountings removed, boiler tested to Government and Classification requirements and prepared for examination both before and after the test.

The boiler to be replaced in position with seatings, collision checks and rolling stays examined and made good, deck casing in way of rolling stays to be faired where stays have pulled away and buckled same, a doubling strap rivetted on externally as reinforcement each side.

Smoke box doors all readjusted, handles etc. made workable also examine uptakes and make necessary repairs.

Boiler mountings, valves, cocks, opened tested and overhauled all replaced.

Furnace fittings, fire bars and bearers, briges, etc. all replaced in good order.

Stokehold floor and bearers replace in good order.

Boiler to be painted and relagged as before and all mountings properly reconnected.

MACHINERY

Main engines to be lifted for renewal of foundation plate and to be replaced in alignment with the shafting, checks adjusted as necessary.

All cylinders, valves, main bearings top and bottom ends, guide shoes, thrust shoes, eccentrics, link motion pump levers and main engine pumps also reversing engine and shaft, throttle valve to be opened thoroughly cleaned examined adjusted and closed in order, also relief valves, main cylinders test, H.P. 360 lbs, L.P. 150 lbs, L.P. 50 lbs lagging and false covers remove for test and replace in order.

Water service renew as necessary and all oil piping cleaned in order also oil boxes and cups.

All movable and working parts to be cleaned and adjusted. Auxiliary machinery open, clean and close in order.

3 main engine stuffing boxes also at valve stems open, clean, adjust and close.

Condenser open out, clean and test and close.

Sea cocks open, clean and close.

Tail end shaft draw, examine and replace; repack stuffing box.

Spring bearings in tunnel open clean examine adjust and close.

Piping. All steam pipes including water gauge pipes on boilers, feed pipes to be removed, annealed and tested to double their working pressure and all recovered as before, steam and exhaust.

One generator set renew complete fitted into place and connected in order 10 K.W. 110 volt, enclosed type forced lubrication.

Any and all removals in way of these repairs to be replaced in order as before by the Contractor.



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