

NOW DONE FOR PRESS BOILER SURVEY:

All existing whale factory press boilers examined internally and found or placed in good order.

Two new rotating whale oil digesters and 2 new vertical separators installed in factory space, examined internally, scantlings verified with approved plans and vessels tested hydraulically to 120 lbs/□" with satisfactory results (F.E. reports are forwarded herewith).
Plan showing arrangement of factory machinery as now installed is forwarded herewith.

REPAIRS FOR WEAR & TEAR:

Machinery Aft inboard dynamo, originally 220 Volts has now been rewound for 110 Volts, and the switchgear renewed. Generator tried out under working conditions, governor and switch gear tested and found in good order.

Main Boilers

Port Aft Boiler

Port furnace 4 stay tubes and 10 plain tubes renewed.
Centre furnace c.c. back plate cropped and part renewed 4'-0"x2'-6".
furnace tube jacked up.
18 c.c. stays renewed.

Stbd. furnace furnace jacked up and 5 stiffening rings fitted (E.W.)

100 air preheater tubes renewed and boiler hydraulically tested on completion of repairs.

Centre Aft Boiler

Port furnace Approx. 20 tubes and 2 c.c. stays renewed, and 10 ft. seam overhauled.

Starbd. furnace Approx. 30 tubes expanded
Air preheater tube plate renewed (3'-0"x2'-6") and tubes renewed.

Starbd. Aft Boiler

A number of tubes expanded and 9 ft. seam caulked.

Donkey Boilers

Port Forward A few plain tubes and 2 c.c. stays renewed.

Starbd. Forward

Centre furnace back landing cropped and part renewed (4'-0"x10") and 34 rivets in way renewed.
2 stay tubes renewed.

Centre Combustion Chamber

back plate doubler removed, plate cropped and part renewed. (3'-0"x2'-6")
Crown girder angles removed and new brackets E.W. to crown plate.

Boiler hydraulically tested on completion of repairs.

Press Boilers

Port Outer Separator - Inside strap electrically welded to upper end plate flange and riveted to shell for half circumference, in way of grooved shell plate.

Minor repairs effected.

Record for Register Book - 14 Press Boilers - 60 lbs.

NOTE

While the furnaces of the port aft boiler (main) are considered efficient for the next 12 months, it is, in my opinion, likely that if further deformation occurs, some furnaces will require to be renewed at the next Boiler Survey.
The Owners' Superintendent has been informed accordingly, and at least two new furnaces are being ordered for use when required.

J. Bowman



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Lloyd's Register Foundation

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