

THE LIVERPOOL REFRIGERATION CO. LTD.

S.S."OUSEL" -BRITISH & CONTINENTAL S.S.CO.

SPECIFICATION

OF
INSULATION WORK.

YOUR REF.....

OUR REF E/5504.JA.

July 13th, 1934.

Scheme 1. After end of No.2.Hold and Intermediate Deck.

ROOF. (Top Deck.) To be insulated with 8" granulated cork sheathed with two $\frac{3}{4}$ " P.T. & G.Boards.

ROOF. (New Intermediate Deck.) To be insulated with 6" slab cork sheathed with two $\frac{3}{4}$ " P.T.&.G.boards.

TANK TOP. To be insulated with 4" compressed slab cork covered on top with $1\frac{1}{2}$ " asphalt. In way of hatch white pine rough grounds to be laid about 2'0" apart with 4" slab cork between and filled into top of ground with $1\frac{1}{2}$ " asphalt. On top of asphalt 2" white pine doubling to be laid caulked and made watertight.

TURN OF BILGE. Top of existing ceiling to be insulated with 4" granulated cork lined with one 1" and one $1\frac{1}{4}$ " white pine P.T. & G. boards.

BILGE PLUGS. To be framed in pitch pine sheathed on top with one 1" and one $1\frac{1}{4}$ " white pine P.T.&.G. boards and on bottom with two $\frac{3}{4}$ " P.T. & G. boards. Each plug to be fitted with two galvanized ring bolts for lifting.

SHIP'S SIDES & BULKHEADS. To be insulated with 8" thick granulated cork sheathed with two $\frac{3}{4}$ " P.T. & G. boards. Bunker bulkhead insulated with silicate cotton or other approved fire proof material.

HATCHWAY. The upper deck hatchway divided into three bays to be insulated. Pitch pine coamings to be bolted to steel work and sheathed with $\frac{1}{8}$ " thick galvanized steel plates. Plugs to be framed in pitch pine and insulated with 6" granulated cork sheathed with two 1" P.T.&.G. boards top and bottom.

The lower deck hatchway to be similarly insulated but to have 4" thick granulated cork.

The galvanized ring bolts to be fitted to each plug and the corners strengthened with galvanized steel plates.

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FORE & AFTERS.ETC. To be insulated to approval.

THERMOMETER TUBES. Two thermometer tubes to each space carried up to weather deck complete with brass socket and cap and wood cased thermometer.

FEED & RETURN CASING. To be insulated with 6" granulated cork sheathed with two $\frac{3}{4}$ " P.T.&G. boards. The casing to be protected with $\frac{1}{8}$ " thick galvanized steel plate where passing through bunkers only.

ENTRANCE HATCH TO COOLER SPACE. Entrance Hatch through Upper Deck to be fitted with pitch pine coamings and the usual galvanized protection plates and fittings.

AIR COOLER. One Air Cooler Space to be fitted in insulated Tween Deck complete with wood bulkhead, partition bulkhead, light door, baffles and air regulators.

AIR DUCTS. One complete outfit of fixed air ducts to be fitted in chambers made from 1" white pine P.T.&G. boards complete with galvanized wrought iron supports and teak air regulating slides.

COLD PIPES. We include the insulation of the cold pipes in machinery space carried out with sectional cork bound with canvas, wired and painted.

BATTENS. 2" x 2" planed battens to be fitted to sides all round and on turn of bilge and 2" x 2" loose dunnage battens on tank top and on deck in Tween Deck Space.

FINISH. All exposed woodwork to receive two coats of best quality insulation varnish.

EXCLUSIONS. Drilling and cutting of steel work.
Painting and bitumastic work.
Scuppers and scupper pipes.
Tray under air cooler.
Machinery seatings whether of wood or steel.
Wood partition forming forward bulkhead in No. 2 Chambers.
Intermediate wood deck.
Purchasers to lift bulk materials on board and into place and provide any lighting and power required during the carrying out of the work.

All to comply with Lloyd's requirements.

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