

LLOYD'S REGISTER OF SHIPPING

San Nicholas,
Aruba, N.W.I.

27 APR 1945

T.S.S. "SURINAM"

Conversion of Dry Cargo Holds to Cargo Tanks

These cargo holds situated on port and starbd sides of vessel under main deck and at the same fore and aft position as No. 4 Main Cargo Tank converted to carry oil cargo in bulk for the purpose of trimming the vessel on an even keel when fully loaded.

Length of vessel between perpendiculars 325'0".
Breadth of vessel moulded 55'0".
Depth of vessel moulded 16'0".

Dry Cargo Holds - length 36'0",
breadth 11'9",
depth 16'0".

Centre of dry cargo hold 3 feet abaft centre of vessel longitudinally between perpendiculars.

Transverse bulkheads of No. 4 Main Cargo Tank carried out to ship's side from forwd and after bulkheads of Dry Cargo Hold. These have original stiffeners on ballast side of bulkhead.

Work done on each Cargo Hold, Port and Starbd

Two deep web frame plates 15'0" x 28" x 3/8", with 6" x 3 1/2" bulb angle face bars, were fitted to ship's side, equally spaced between bulkheads, fastened by brackets to the floors and deck beams and double rivetted to existing frames. Stringer plates, 15" x 1/2" on forwd and after bulkheads and 15" x .52" on ship's side, were fitted at the same height as similar stringers of same dimensions in No. 4 Cargo Tank. These were welded to bulkheads and ship's side and fastened by brackets to fore and aft bulkhead of No. 4 Tank, to web frames, to ship's side frames and at the angle of ship's side and bulkheads.

The cargo hatch was removed and deck plates in way renewed in original size (7/16").

An oil cargo hatch of strong and efficient design was installed.

Brass manhole coaming was installed for access.

An 8 inch suction line with valve, suction bell an extension spindle was installed and tested.

Air and sounding pipes were fitted as per Requirements.

Bulkheads and decks tested in accordance with Rules.

All materials used of approved quality.

Approved electrodes used for welding.

List of material for both tanks

- 4 web frame plates 15'0" x 28" x 3/8".
- 8 angle connections to stringer plates 1'6" x 3" x 3".
- 8 flanged brackets to stringer plates 2'3" x 18" x 3/8".
- 4 face bars on web frames 15'0" x 6" x 3 1/2" bulb.
- 6 stringer plates 12'0" x 15" x .52".
- 4 stringer plates 12'0" x 15" x 1/2".
- 30 angle connections to frames 6" x 3" x 3".
- 4 flanged brackets transverse stringer to longitudinal bulkhead 4'3" x 33" x 3/8".
- 4 flanged brackets shell stringer to transverse stringer 2'9" x 33" x 3/8".
- 10 face bars on stringer plates 12'0" x 6" x 3 1/2" bulb angle.
- 6 brackets shell frames to stringers 1'6" x 15" x 3/8".
- 2 deck plates 25'1" x 75" x 7/16".
- 2 deck plates 26'4" x 72" x 7/16".
- 18 deck beams 12'0" x 6" x 3 1/2" bulb angle.
- 2 cargo hatches 2 feet diameter x 24" high with hinged doors and hinged dogs.
- 2 brass manhole coamings.
- 1 beam knees removed and refitted to web frames.
- 1 floor brackets removed and refitted to web frames.



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- 2 - 8" suction valves with extension spindles and deck glands fitted.
- 2 - 8" suction bells.
- 2 Air pipes.
- 2 sounding pipes.
- 2 ullage fittings.

Jas B Futers
 SURVEYOR
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