

London

LEITH.

7th December, 1920.

Arthur T. Thomas.

the Ministry of Shipping attend on board the German steamer
"KURLAND" 10200 tons gross No. 79908 in the Register Book, for the
purpose of General Examination of the vessel before being taken
over by the Ministry of Shipping.

The survey was held in conjunction with the Managers' representatives.

Ship's papers not produced.

Upon examination of the vessel on the 1st December and
subsequent dates while lying afloat in the Imperial Dock Leith
the following was found.

Forecastle Head:- Deck wood laid and in good order.

Windlass examined and in good order: 3 wire
reels fitted, one without wire: others fitted with about 2½" &
3" steel wire: 4 bollards fitted: 4 fair leads fitted: 2 mooring
pipes fitted on spiket plating at bow.

2 bow anchors in place, 1 spare anchor secured to deck. 1 stream
anchor on board and one stern anchor fitted: chain cable on windlass
about 2½" diameter. 14 ventilators fitted leading to spaces below:
forecastle head deck enclosed with 3 bar rails.

All work on this deck in good condition.

Fore peak closed and not examined: space above fore peak closed

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with paint and fitted with
steel chain lock built up to No. 1
store as high as possible and no
Guinness with fitted side and
steel door latching: red door in
leading to mess.

Inside foremast: - On side with
new were side brackets no red door in
house with fitted side and
this door in 1 and brackets no S.S. 2: red door in
brackets and red in foremast: red door in
steel door 5: steel door 6: steel door
fitted with paint: side door to
red door in and fitted in order.

with side door, fitted door 2 and side brackets no
red door in and fitted in order.
At break of foremast: side door 2 and side brackets no
less side brackets: side door 1 and side brackets no
galleys side, side door 4 and side brackets no
yellow side. red door in and side brackets no
arrange side with side.

On starboard side: side brackets side door side brackets no
small store: side door side brackets no
opened side for side brackets side brackets no
full height. Other side at break of foremast: side brackets no
red door in side. side brackets side brackets no
fore side: - side door in side.

4 large side 2 and side 4
side door side brackets side brackets no
for side brackets side brackets side brackets no
side door side brackets side brackets no
space fitted with side: 4 large side 2 and side 4
side brackets side brackets side brackets no



No. 1	:-	29'-0"	X	20'-0"	X	29"	ooming	} All fitted with Xn wooden hatch covers.
No. 2	:-	37'-5"	X	20'-0"	X	29"	"	
No. 3	:-	22'-9"	X	20'-0"	X	29"	"	

After Main Deck:- Steel and in good order.

4 large bollards fitted; 2 bollards fitted
~~2 bollards fitted; 2 bollards fitted~~
 2 aft: steel plate bulwarks
 with bulb bar stanchions for practical whole length; 2 aft: steel plate bulwarks

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of open rail at fore end.

2 Hatchways of the following approximate dimensions fitted.

No. 4 :-	32'-3"	X	20'-0"	X	29"	coaming	}	All fitted with
No. 5 :-	37'-3"	X	20'-0"	X	29"	"		} 3" wood hatch covers

Hatchways fitted with one tarpaulin and one spare supplied for each: all necessary fittings for battening down fitted: All work in good condition.

7 double gear winches fitted: one amidships at after end of No. 4 hatch and other 6 arranged diagonally at corners of hatches. All in good order and practically new.

Mizen Mast steel and in good order: fitted with 5 steel derricks and one heavy lift steel derrick fitted at after end, shrouds and stays and other attachments all in good condition. 7 ventilators fitted on this deck and all in good order: At forward end of main deck 2 large square steel fresh water tanks fitted one on Port and one on Starboard side: angle bar coaming fitted all round, and space between fitted with cement: all in good condition. Jury mast steel and fitted with four steel derricks, shrouds, stays and other attachments all in good order.

Inside Poop on main deck on Port side crews quarters fitted with 16 bunks, steam heater, stove and necessary lockers: deck laid with patent composition: all in good order. On starboard side crews quarters with 12 bunkers, steam heater, stove and necessary lockers: all in good order.

3 berth rooms on starboard side with necessary lockers.

Thwartships arranged 2 W.Cs. and washhouse, deck laid with patent composition: all these spaces are in good order. Poop bulkhead steel and openings fitted with steel hinged doors.

Poop Deck:- Wood laid except in way of winches and in good order.

4 large bollards fitted, 2 large and 2 small fairleads fitted:

3 wire reels fitted with about 3" steel wire attached: one stern anchor fitted on Port side: 14 ventilators fitted: steel companion-way fitted leading down to inside of Poop. One cargo hatchway

fitted at forward end of this deck of following approximate dimensions 12'-8" X 20'-0" X 31' coaming. 3" wood hatch covers fitted, one tarpaulin and

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buttoning down fittings.

2 double gear winches fitted at forward end of hatch, cross
connected so that they can be used for operating stern anchor: one
small hatchway leading to store room fitted with wood covers
and tarpaulin: one wire reel fitted at fore end with about 3- steel
wire attached.

Steering gear:- Consists of twin cylinder engine fitted main
deck and enclosed at after end of Engine Room; extensive
shafts lead to main deck, steering chain and engine
main deck by means of gear and shafting and engine
connected to steering gear. All steering in
good order and practically new.

Steering gear space inside poop painted throughout and fitted with shelves.

Space forward of steering gear arranged with 4 thin diagonal ribs to provide extra support. The ribs are made of steel cover fitted over hatchway leading down to engine room.

Magazine room situated on No. 1 deck near the stern of the ship. The magazine is located in the hull of the ship, and is accessible by a hatchway leading from the deck. The hatchway is located in the hull of the ship, and is accessible by a hatchway leading from the deck. The hatchway is located in the hull of the ship, and is accessible by a hatchway leading from the deck.

[illegible]

Bridge Deck:- Steel and in good order. At forward end 4 double
gear winches fitted. 2 steel davits; which also act as
ventilators: with 4 steel derricks attached. Hatchway fitted on this
deck of the following approximate dimensions.

15'-0" x 17'-9" x 32 1/2" coatings.

for stanchions and girders and, belly braces bow 15
flattening down: 2 large stanchions fitted to each side of 1' 6" D

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house. 3 small coaling hatches arranged each side of deck with wood covers and arrangement for battening down: Fittings for accommodation ladder on each side of deck and one ladder supplied: steel plate bulwarks on Port and Starboard sides in way of houses with bulb bar stays, and forward of this 3 bar open rail fitted. Accommodation on Bridge Deck consists of Saloon with seating accommodation for 20 persons, fitted with side board, lockers and 2 steam heaters.

Each side of saloon 2-2 berth rooms are arranged with steam heaters. On starboard side running along Engine Room casing are arranged the following inside rooms:- 1- 4 berth room with steam heater: 1 mess room with steam heater: 2 pantries, 1 galley.

On Port Side:- 1- 2 berth room with steam heater.

1- 6 " " " " "

1 Bath room with steam heater: 2 W.C.'s: 1 Bath Room. 1 - 1 Berth Room with steam heater: 1 office with steam heater, 1 locker.

At after end of Engine Room casing the ships are arranged:- 1- 1 Berth room with steam heater: 1 Doctors room with steam heater: 1 Hospital room with 2 bays steam heater and connecting bath room: 1 W.C.: 1 Dispensary with steam heater.

All the rooms on this deck are in good order.

Boat Deck:- Wood laid and in good order, with the exception of small portions laid with patent composition: front of deck fitted with steel bulwarks, and sides with 2 bar open rails, wood bulwark top rail fitted all round: 4 lifeboats fitted and 1 working boat with necessary davits and gear.

7 ventilators fitted on this deck: entrance to fiddley casing with steel hinged doors on Port and Starboard sides, small steel house alongside entrance fitted on Port Side.

At forward end of deck Captain's Office and sleeping quarters arranged with steam heater: 2- 1 Berth rooms with steam heater: 1 - 2 berth Pilots room: Captain's Bath room and W.C. combined with steam heater: 1- - Berth room with steam heater.

At after end of Boat deck inside steel house are arranged the following

No. 3 tween deck:- steel and in good order: hatchway: all battens fitted all other details arranged as in other tween decks: all coated with paint and in good order

Lower Hold:- Bulk angle framing about 10" deep and 30" spacing: spar ceiling fitted to ship's side stringer well bracketed to forward bulkhead and aft of about $\frac{1}{2}$ length aft, brackets let to same from deck at corners of hatch: one large circular pillar fitted at centre at fore and aft and at corners of hatchway: longitudinal bulkhead fitted at aft and midships between end of hatchway and thwart bulkhead: 4 manholes in tank top fitted with angle bar comings and wood lids: no ceiling laid on tank top, but ceiling laid over bilge limbers.

The whole of the hold painted except tank top, and all work in as good as new.

No. 2 Hold:- No. 1 tween deck:- steel and in good order: thwartship bulkheads carried up to main deck: spar ceiling fitted to ship's side: hatchway fitted with battening down arrangements: 7 thwartship beams 3" wood covers: pillaring and other characteristics similar to other tween decks. All painted and in good order.

No. 1 Hold:- Steel and in good order: arrangements similar to No. 1. All painted and in good order.

Lower Hold:- Bulk angle framing with 3" reverse bar depth about 11", ship's side fitted with spar ceiling: 4 large steel circular pillars fitted at corners of hatch: longitudinal bulkhead fitted at fore and aft and midships between hatchway and thwartship bulkheads. No ceiling fitted to tank top: ceiling fitted over bilge limbers: 6 manholes in tank top with angle bar comings and wood lids. Space all painted except tank top and in good order.

No. 3 Hold:- No. 1 tween deck:- steel and in good order, fitted out similar to preceding tween decks painted throughout and in good order.

No. 2 tween deck:- steel and in good order: fitted out as above.

Painted throughout and in good condition.

Lower Hold:- Bulk angle framing with 3" reverse bar depth about 11", spacing about 30" pillaring arrangements in this hold similar

to No. 2: 6 manholes fitted to tank top with angle bar casings and
wood lids: no ceiling fitted to tank top: ceiling fitted over
bilge timbers: ceiling fitted to ship's side: held painted
throughout except tank top, and all in good condition.

After Main Deck. No. 4 Hold:-

No. 1 tween deck steel and in good order: bulkheads extend up to
main deck: girders, hatches and all other arrangements similar
to others: side of ship's side: held painted throughout
and in good order.

No. 2 tween deck steel and in good order: side of ship's side: all
arrangements similar to the others, painted
throughout and in good order.

Lower Hold:- Bulk angle framing with $3\frac{1}{2}$ " reverse bar about 11"
deep: two steel tunnels, transverse full length of hold, no sheathing
fitted on top in way of hatch: ship's side fitted with sparring:
no ceiling on tank top, but ceiling fitted over bilge timbers.
Space in between tunnels fitted with 4 manholes with angle bar
casings and wood lids: one manhole at wings on Port and Starboard
sides: 4 large steel circular pillars fitted at corners of hatch
and one between the transverse tunnels: hold painted
throughout except tank top and in good order.

No. 3 Hold:- No. 1 tween deck steel and in good order: fore and
aft bulkheads with side of ship's side: held painted throughout
pillars, hatches and all other arrangements similar to others.
Painted throughout and in good order.

No. 2 tween deck steel and in good order: similar in all details
to others. Painted throughout and in good order.

Lower Hold:- Bulk angle framing with 3" reverse bar about 11"
deep: two tunnels run full length and break off to ship's side at
after end. Spar ceiling fitted to ship's side: no ceiling fitted
to tank top, but ceiling fitted over bilge timbers: 4 large steel
circular pillars fitted at corners of hatch, and one between the
transverse tunnels: 4 manholes fitted between the transverse
tunnels at wings on Port and Starboard sides. All with angle bar
casings and wood lids. All painted throughout and in good order.

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coamings and wood lids. Painted throughout except tank top and in good condition.

Peep Hold:- No. 1 tween deck steel and in good order: steel bulkhead at fore and after end extending up to main deck: longitudinal bulkhead fitted at fore and amidships between hatch and thwartship bulkhead: ship's side fitted with sparring: hatchway fitted with one thwartship beam and 3 wood covers: painted throughout and in good order.

No. 2 tween deck steel and in good order: Details similar to No. 1 tween deck: ship's side fitted with sparring: painted throughout and in good order.

Lower Hold:- Consists of space between tunnels, which at this point run out to ship's side: space above tunnel flat at after end: one large circular steel pillar fitted at fore and between tunnels: no ceiling on tank top and tunnel tops not sheathed in way of hatch: ship's side fitted with sparring: 2 manholes fitted on tank top with angle coamings and wood lids.

Painted throughout except tank top and in good order.

Cargo Hold or Thwartship Bulkhead inside of Bridge Deck at forward end:-

No. 1 tween deck steel and in good order: fore and aft thwartship bulkheads extend up to main deck: in after bulkhead steel hinged doors fitted on Port and Starboard sides leading into coal shuttles to lower bunkers: a circular steel pillar fitted in centre of space on Port and Starboard sides and longitudinal bulkhead fitted amidships between hatch and thwartship bulkheads: Hatchway fitted with 3 thwartship beams and 3 wood covers: spar ceiling on ship side painted throughout and in good order.

No. 2 tween deck:- space fitted out similar to No. 1: steel deck laid and in good order: painted throughout and in good condition.

Lower Hold:- Partially filled with coal: spar ceiling fitted to ship's side: water tight door fitted on after bulkhead on Port and Starboard sides connecting hold to stokehold floor: the shuttles on Port and Starboard sides leading down from the tween decks are

sealed with watertight doors in stokehold: painted and in good order.
No. 1 tween deck side bunkers:- Fitted alongside of boiler room casing and carried right across ship at forward end: 8 openings in deck to lower bunkers: steel doors fitted in ships to lower bunkers: whole space coated with a black composition and in good order.

No. 2 tween deck side bunkers:- Fitted on Port and Starboard sides of Boiler room casing: one opening in deck on each side to lower bunkers. coated throughout with a black composition and in good order.

Tween deck side bunkers feed into 2 pockets with steel plate sliding doors leading to stokehold plates. Pockets all coated a black composition and in good order.

Engine and Boiler room spaces:- All coated with paint and in good order.

Tunnels all painted and in good order. Entrances to engine room fitted with water tight doors operated from engine room top platform.

Machinery:- Consists of Twin triple expansion, 3 cylinder engines working on 3 cranks. Aspinale governor gear fitted: twin cylinder all speed reversing gear fitted: steam turning engine fitted: air and bilge pumps worked by lever of L.P. engine.

Detached steel plate condensers fitted on brackets bolted to back columns.

2 Independent feed pumps of Weirs type.

1 Compound engine dynamo fitted stated to be 110 volts. 15 amperes, and rated at 16.5 K.W.

1 Ballast pump of Weirs type.

1 Duplex general service pump.

1 " " " "

1 Evaporator.

1 Heater.

1 Fan engine and forced draught fan connected.

2 steam driven centrifugal pumps fitted, and cross connected.

1 Fresh water duplex pump.

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1 Boiler Injector.

2 telegraphs led down to engine room operating platform at forward end.

One common stokehold arranged with 5 forced draught Scotch single ended boilers: 3 fitted at after end and 2 forward fired from one stokehold floor. Boiler pressure stated to be 14 atmospheres per square inch.

Compton's type ash hoist fitted in stokehold with chute led to ship's side.

The whole of the machinery appears in a good condition and as good as new.

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(Sgd.) A. J. Thomas.

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.



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