

LYOYD'S REGISTER OF SHIPPING,
80, YAMASHITA-CHO, NAKA-KU,
YOKOHAMA.

22nd November, 1937.

SPECIFICATION FOR DAMAGE REPAIRS
TO THE STEEL SCREW STEAMER
" ESSEX MAROR "
4994 TONS GROSS, OF LONDON.

Shell plating.

Keel plates Nos. 1 to 22,

Renew.

Port side.

A strake Nos.1 to 23,

Renew.

B strake Nos.2 to 23,

Renew.

B strake No.1,

Remove, fair and refit.

C strake Nos.4 to 22,

Renew.

C strake Nos.3 and 23,

Remove, fair and refit.

D strake Nos.5 to 21,

Renew.

D strake Nos.3 & 4,

Remove, fair and refit.

E strake Nos.3 to 17,

Renew.

E strake No.2,

Remove, fair and refit.

F strake Nos.14, 15, 18, 19 & 20,

Renew.

F strake Nos.5 to 13 and 16 & 17,

Remove, fair and refit.

F strake No.21,

Fair in place.

G strake Nos.15, 16 & 20,

Renew.

G strake Nos.7, 10, 11, 12, 13, 14,
17, 18 & 21,

Remove, fair and refit.

G strake No.22,

Fair in place.

H strake No.16,

Renew.

H strake Nos.14, 15 & 17,

Remove, fair and refit.

I strake No.15,

Renew.

I strake Nos.14, 16 & 17,

Remove, fair and refit.

K strake No.15,

Renew.

K strake No.16,

Remove, fair and refit.

L strake No.14,

Remove, fair and refit.

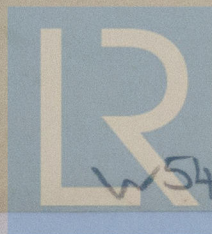
Starboard side.

A strake Nos.2 to 23,	Renew.
A strake No.1,	Remove, fair and refit.
B strake Nos, 1 to 23,	Renew.
C strake Nos.5 to 22,	Renew.
C strake Nos.2, 4 & 23,	Remove, fair and refit.
C strake No.3,	Fair in place.
D strake Nos.4 to 21,	Renew.
D strake No.22,	Remove, fair and refit.
E strake Nos.2, 3, 4, & 8 to 17,	Renew.
E strake Nos.5 & 7,	Fair in place.
F strake Nos.6, 7 & 15 to 21,	Renew.
F strake Nos.8 & 22,	Remove, fair and refit.
F strake No.14,	Fair in place.
F strake No.23,	Release for access.
G strake Nos.17 to 22,	Renew.
G strake Nos.7, 8 & 16,	Remove, fair and refit.
H strake Nos.20 & 21,	Renew.
H strake Nos.17, 18, 19 & 22,	Remove, fair and refit.
I strake Nos.18, 19 & 20,	Remove, fair and refit.
K strake Nos.18, 19 & 20,	Remove, fair and refit.

Total number of plates including keel

Renew.	240
Remove, fair and refit.	54
Fair in place.	6
Release for access.	1

Port bilge keel renew complete. Starboard bilge keel part renew.
 Lower half of stem renew. Stern frame keel piece renew.
 Stern frame below boss fair in place. Shell plates remove, for
 access as necessary and refit. Rudder to be unshipped mainpiece
 renewed using old arms and plates.



© 2019

Lloyd's Register
 Foundation

W541-0215-36

DECK REPAIRS.

Forecastle deck.

Davit for Suez Canal Light remove, straighten and refit.

Flag staff renew.

Fore peak hatchway coaming fair in place.

Awning spars, awning & ridge pole broken renew. Stanchions repair.
& stanchions missing renew.

Breakwater, port and starboard sides, fair in place.

Windlass open up for examination; main shaft bent to be tried in
lathe and trued. Port brake repair.

Cement on deck repair.

Nails and stanchions fair in place.

Both forecastle stove chimneys and connections renew. (already
repaired except stays)

Forecastle skylights flaps and brass guards repair. (already
temporarily repaired)

Forecastle companionway doors and step. (already repaired except
hooks)

Crew's companion ladder into forecastle broken. (already repaired)

Wood bulkhead between forecastle and peak. (already repaired)

Starboard hawse pipe, lift deck plate and rejoin.

Sheave on starboard spring lead renew.

Seamen's sanitary tank and pipes overhaul and repair where necessary.

All oil navigation and binacle lights overhaul, repair or renew.

Fore deck.

Fore topmast central backstay renew.

Foremast yardarm refasten.

Both lamp halyards renew. (Signal halyards already renewed)

All fore rigging screws renew.

Foremast light bracket repair.

Upper edge sheer strake and gunwale bar starboard side No.1 hatch
repair.

3 speaking tubes from bridge test and brass whistles replace.

Log brackets (2) on poop rail repair.

Foremast crosstree rails fair in place.

Port forward mooring wire 90 fathoms $2\frac{1}{2}$ " and reel replace.

Both sheerpales renew.

No.2 port and starboard guy cleats renew.

Coaming stanchion at starboard side No.1 hatch renew and coaming fair in place.

Foremast rigging serving to strip and examine wire.

All rails and stanchions both sides fore deck renew.

Bounding pipe caps (13) repair or replace.

(All derrick runners, guys and blocks replace:- 14 - $2\frac{1}{4}$ " wire
runners each 31 fathoms long. 20 - $2\frac{1}{2}$ " guy ropes each 30 fathoms long.
5 double sheaved wood guy blocks $2\frac{1}{2}$ " rope. 8 single sheaved wood
guy blocks $2\frac{1}{2}$ " rope.

26 separation cloths each 30 x 30 yards replace.

Derrick head cargo blocks one renew, four repair.

3 sounding rods with line attached to each replace.

1 - 80 feet $1\frac{1}{2}$ " armoured rubber wash deck hose in two sections.
60 feet and 20 feet complete with fittings replace.

1 - 65 feet length cotton woven $1\frac{1}{2}$ " fire hose complete with fittings replace.

8 hurricane lamps replace. (4 already replaced)

Monkey Island:-

Canvas awing replace. Awning spars and fittings overhaul.

Canvas rail screen and dodger replace.

Standard compass and magnets overhaul; compass adjust.

Rail stanchions and compass standard re-bed.

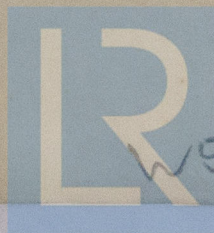
Wood deck planking part renew and all deck caulked.

D.F. aerial completely overhaul and re-bed.

D.F. bell overhaul.

Bucket rack and 6 fire buckets overhaul or renew where necessary.

Binnacle top repair.



© 2019

Lloyd's Register
Foundation

Upper bridge.

Steering compass and magnets overhaul, standard re-bed, binnacle top repair and compass adjust.

Tell tale repair and standard re-bed.

Both S.R. telegraphs overhaul and standard re-bed.

Wireless lead in box overhaul and re-bed.

Sanitary tank unship overhaul, pipes and valves renew as necessary and all to clean and replace.

Three awnings replace.

Wood deck planking partly renew and all deck caulk.

All awning spars and fittings overhaul.

Hand lead line, reel and 2 leads replace.

Deep sea lead line, reel and 2 leads replace.

2 lifebuoys with Holmes lights attached replace.

2 lifebuoy boxes overhaul, pins replace.

Canvas dodger around bridge replace.

Saloon stove funnel replace.

Lower bridge.

Wood deck partly renew planking and all deck caulk and made watertight.

Port small boat repair and all contents replace.

Starboard small boat repair and most contents replace.

All boat falls and lifelines also lower blocks replace.

Stanchions and chain guards for both boats' openings overhaul.

Lead block on port after davit renew.

All boat chocks repair as necessary.

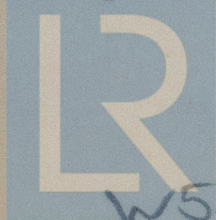
One boat gripe renew and chains repair.

40 lifebelts replace (Kapok).

Both lifebelt boxes and accumulator box re-condition.

All rails and stanchions repair and re-bed as necessary.

Awning spars and fittings starboard side repair. Overhaul same port side.



© 2019

Lloyd's Register
Foundation

W541002754/30

Lower bridge (Continued).

Both canvas awnings replace.

One bottle screw for funnel guy repair.

2 - 60 fm. log lines complete with accessories replace.

2 Logs to supply. (Walkers cherub)

Canvas screen for after part of lower bridge replace.

All ventilator coamings re-bed.

Surrounding teak wood about 6 planks renew.

Companion ladders to top bridge overhaul.

All four davits overhaul and brackets re-bed.

Boat Deck.

Starboard class 1. lifeboat repair; contents including tanks replace.

Port class 1. lifeboat and all gear replace.

Boat checks for both boats repair or renew as necessary.

3 lead blocks for lifeboats replace.

2 lifebuoys and brackets replace.

(Lifeboat falls and lifelines replace and 1 lower fall block link repair.

Awning spars replace. Stanchions repair as necessary.

Boat deck planking renew as directed, all deck re-caulk.

All ventilator coamings and cowls re-bed or repair.

Engineers' Mess room stove funnel and galley funnel replace.

One engine room cowl ventilator repair.

Galley skylights 4 flaps renew.

Storm doors xxiii on fidley top part renew remainder refit.

All rails and stanchions repair or renew as required.

Engine room skylight part renew and 6 flaps re-condition.

Exhaust pipe stays on funnel repair.

Main funnel and uptakes refasten and make secure.

Main ice box replace 7' x 5' x 5' 2 compartments.



© 2019

Lloyd's Register
541 - 0275 / 36
Foundation

Boat deck (Continued).

Potato locker renew.

All 6 canvas awnings replace.

2 rope lifeboat ladders and 2 pilot ladders each in 2 sections replace.

All 4 canvas boat covers replace.

All rail stanchions and awning spar stanchions re-bed as necessary.

24 new spare full sized wood hatches replace.

Guard stanchions and wires for saddleback renew as necessary.

Accommodation ladder overhaul one stanchion replace.

Sanitary tank re-bed, pipes and valves repair as necessary.

1 of each - 12' and 24' light wood rung ladders replace.

Deck Amidships.

Port lower bridge stanchions two fractures weld.

Port saloon door frame refasten.

Bulwark rail port side fair in place, and 5 stanchions repair.

8 funnel guy and ventilator stay bottle screws repair or replace.

Steam whistle repair and wire connections to bridge renew.

Funnel ladder repair.

Side pocket hatch ladders repair.

Store room double door lock. (already repaired except hooks)

All fidley gratings and ladders repair or replace.

Ash hoist controls replace.

Watertight doors to stokehold and engine room repair together with controls.

Donkeyman's room door frame reset. (door already renewed)

Engine room port door already replaced. Starboard door weld casing at corners.

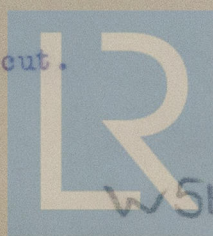
Port W.C. door and passage-way door temporarily repaired.

2 wood rung ladders repair.

4 companion ladders and handrails complete overhaul and parts renew where required.

Centre stokehold ventilator repair where cut.

Engine room casing holes cut repair.



© 2019

Lloyd's Register
Foundation

Deck amidships (continued)

Bulwark rail in starboard alleyway small fractures weld.

No. 2 trunk coamings fair in place.

14 holes bulwark rail where cut salvage.

After deck.

Mainmast rigging renew also rigging screws. Sheer poles repair.

Derrick eye bolts on crosstree test.

No. 3 starboard derrick eye bolt repair. Derrick goose necks and

all lifting gear thoroughly overhaul and test.

all rails and stanchions both sides after deck renew or repair.

signal halyards replace. (already replaced)

both lamp halyards replace.

Mainmast light bracket repair.

No. 3 port guy and starboard guy cleats repair.

Wade for No. 4 derricks repair.

ree for quadrant relieving tackle replace, blocks on board.

main rail on main crosstree fair in place.

Top.

main posts, derrick eyebolts and all lifting gear thoroughly

overhaul and test.

mainmast and compass replace.

mainmast machine repair and wire renew.

mainmast rails and stanchions around poop repair.

starboard eyebolt for relieving tackle remove and repair.

mainmast and 2 stanchions around tonnage opening replace.

mainmast anchor stock pin replace.

mainmast charge clusters and 7 arc lights replace.

10' cable tyre cable attached each cluster.

10' cable tyre cable attached each arc light.

mainmast bulkhead tween poop space and lazarette renew.

mainmast lazarette refit complete with shelves, etc.

mainmast wires leading from quadrant to poop winch, 30 fathoms

wire and thimbles replace.

POOP (continued).

150 new shifting boards each 19' x 8" x 2½" replace.

85 new spare cargo battens each 23' x 6" x 2" replace.

50 new spare hatch planks 11' x 10" x 3" replace.

48 new spiked dog hatch handles replace.

75' new 5/8" rod iron replace.

2 lifebuoys, one with Holmes light and lifeline attached replace,
and 2 brackets for same repair.

GENERAL.

All deck steam and exhaust piping, water service piping with
valves, drain cocks, etc. to be thoroughly overhauled and repaired
as necessary. Pipe covers repair where broken.

10 winches to be overhauled and minor renewals.

Wood hatch covers many missing or damaged throughout vessel replace.

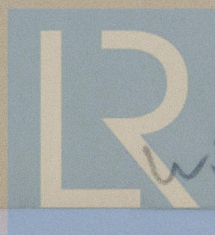
3 sets of tarpaulins supply to all weather deck hatchways
including small hatchways. Hatchway battens replace as necessary
also cleats. Hatch wedges replace. Hatch rests on all coamings
to be overhauled and repaired where necessary.

Steering gear engine to open up for examination. Control rods
from bridge to engine, steering rods and chains also lead blocks
thoroughly overhaul and repair as necessary. Steering chains
to be annealed.

All ventilator cowls repair or replace where missing also wood
plugs and canvas covers replace as necessary. This includes
accommodation ventilators. Comings repair as required.

Sounding pipes with their brass caps renew as required throughout
vessel. Air pipes repair where broken.

Both Samson post vents completely overhaul and test, derrick
eyebolts test, derrick goose necks and all lifting gear thoroughly
overhaul and test.



© 2019

Lloyd's Register
Foundation

W541-0275 9/36

General (continued).

1 pr. bridge binoculars replace.

1 bridge megaphon replace.

Chronometer to overhaul and rate.

4 chain hooks from chain locker replace.

Quarter hammer, 2 topmaws, 1 cable punch replace.

All wood plugs for tank air pipes replace.

Repairs to accommodation see separate list.

4 cold chisels, 2 wood saws, 1 caulking mallet, 2 caulking irons, 2 rasps, 2 gouges, 1 adze, 3 screw drivers, 1 gimlet, 2 augurs, 1 sounding pipe key to fit caps, 1 spare anchor shackle, 2 large shackles 3" mooring wires, 10 mooring shackles 3" wire, 1 cold sett chisel replace.

1 anchor shackle repair.

Sufficient 1" wood to dunnage out whole of shelter deck, poop space and all lower holds.

Supply :-

Board of Trade gangway. (all stanchions on board)

2 steel snatch blocks 6" sheaves. 35 fathoms 10" rope.

After towing spring 14 fathoms 10" rope, 25 fathoms 2½" wire rope and thimble.

8 - 2 Cwt coaling baskets.

1 Flag J & 1 No. 0 pennant.

1 oil stern lamp.

2 pairs lamp scissors.

2 serving boards.

2 rope net slings, each 7' x 7'.

2 steel net slings, each 7' x 7'.

2 canvas slings, each 7' x 7'.

2 wood bulwark rail ladders each fitted with two steel clips.

12 hard wood spalls for cable shackles.



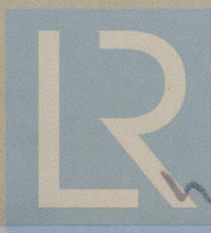
© 2019

Lloyd's Register

Foundation
W 54/10275 10/36

Apply (continued).

camp stools for accommodation.
top-mawl handles.
quarter hammer handles.
small scrapers for teak-wood.
5 eye thimbles for $2\frac{1}{4}$ " wire.
eye thimbles for $2\frac{1}{2}$ " wire.
porcelain insulators for steam whistle lanyards.
4 small shackles 1" between jaws.
packets ordinary sewing needles (for repairing flags).
yds each of blue, black, yellow, red, white bunting.
hank each of blue, black, yellow, red, white thread.
small pairs pliers.
small pairs pincers.
canvas cover for sounding machine.
canvas cover for after binnacle.
bulkhead clocks overhaul and clean.
6 cane fenders each 5' long with wire lanyards attached.
wood shields with lanyards attached for W.C. outlets.
ash shutes. 8 blank brass keys. 7 canvas covers for wire reels.
binnaele & 2 telegraph canvas covers. 3 speaking tube canvas covers. 8 eye thimbles for $1\frac{1}{2}$ " wire. 6 rat guards for 7" rope.
6 rat guards for wire mooring. 16 electric bulbs for navigation lights. 40 C.P. 110 volts. 1 large shackle for mooring to buoy.
16 oil stoves for rooms amidships. ~~6 eye thimbles for $1\frac{1}{2}$ " wire.~~
26 brass oil lamps for accommodation. 2 steel snatch blocks 6" sheaves. 2 wood chisels. 2 large fenders in shelter deck.
2 paraffin oil feeders. 6 - $1\frac{1}{2}$ fathom chain stoppers.
8 square mouth shovels with handles.
2-30 fathoms of 10" rope.



© 2019

Lloyd's Register
w541-0275/36
Foundation

WIRELESS TELEGRAPH DEPARTMENT.

Accumulator battery 18 volts, capacity 144 a.h. for running 18 volt motor, repair.

High tension accumulator battery 70 volts, for wireless receiver and one 10 volt unit. 2 accumulators 2 volt cap. 60 a.h.

1 hydrometer complete, for determining the "Specific Gravity" of battery acid 1.25. 90 feet 5 ampere lead covered cable.

30 feet 20 ampere lead covered cable. 1 pair of pliers. 1 small screw driver. 1 small adjustable spanner replace.

DECK STORE

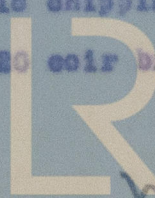
Yen

120

4,000

gals boiled oil
gals fish oil
gals paraffin oil
gals terebintine
gals turpentine
lbs. tallow
lbs. french glue
glue pot
brass door handles
cwt. black paint
gals copal varnish
2 2" cone shaped lamp glasses
lbs. green paint
cwt. teak color paint
aluminium paint 2 quarters
lbs. patent driers
cwt. red boot topping paint
cwt. red & white lead mixed
cwt. red lead
cwt. red oxide
lbs. vermillionette
cwt. white lead
cwt. white zinc
gals white enamel
cwt. ready mixed white paint
66' tape measure
yards white duck canvas
shifting spanners
punches & dies for 296 eyelets
60 ft. port rubber $\frac{3}{4}$ " sq.
60 ft. port rubber $\frac{3}{4}$ " x $\frac{1}{4}$ "
3-cell electric torch
1 3-cell torch batteries
4 doz. brass screws (asst.)
pr. brass door hinges
cargo hooks
lbs. common chalk
box stick chalk
coir mats
galv. iron buckets (36 already supplied)
2 2 1/2" slip lamp glasses (36 already supplied)
cwt. slaked lime

130 yards tarpaulin canvas
6 bolts repairing canvas
2 pitch pots
2 pitch ladles
8 new proofed tarpaulins 40'x29'
4 wire spikes 18"
19 torch bulbs 3.5
2 hanks hambroline
3 coils pointline
3 coils rattline
4 hanks signal halyard
5 balls spunyarn
23 lbs. seizing wire
23 yd. red ensigne
23 lbs. scupper hails
16 lbs each 1 1/2" 2" & 3" wire
nails
8 turks heads with handles
5 pencil brushes
22 queen anne lamp burners
8 coils 3 1/2" manila rope
5 coils 2 1/2" manila rope
1 1/2 coils 2" manila rope
3-7" mooring ropes (3 new ropes required)
60 ft. 24" coconut matting
90 fms. 2 1/2" mooring wire
14 new 31 fms. wire runners
60 fms. 1 1/2" wire
22 tins brass polish
5 2 lb. hand hammers with handles
1 bridge megaphone
21 duplex lamp glasses
7 lbs. black lead
4 hanks boat lacing
1 gr. spiked boat studs
2 gr. brass eyelets No. 296
7 duplex lamp burners
2 carbolic acid (Disinfectant)
18 chipping hammers with handles
20 coir brooms with handles



1" marine spikes
 lbs. each 5" & 6" nails
 sockets sail needles size 14½
 ales oakum
 oil feeders
 padlocks (6 already supplied)
 4" round paint brushes
 4" flat paint brushes
 paint scrubbers with handles
 sheets sand paper No. 2
 hand hammer handles
 shipping hammer handles
 cwt. portland cement
 lbs. roping twine
 roping palms
 wash tools (8 already supplied)
 chisel scrapers with handles
 three cornered scrapers with handles
 lbs. seaming twine
 sewing palms
 long handled deck scrapers
 cwt. white marine glue
 cwt. black marine glue
 grindstone complete with fittings
 runner shackles
 doz. blue lights
 wire brooms
 lbs. beeswax
 lbs. copper tacks

4 cork fenders
 2 house flags
 20 hand scrubbers
 3 balls marine
 5 doz. boxes matches
 44 guy shackles 3" with ½" pins
 50 lbs. hard soap
 5 cwt. common soda
 5 doz. sponge cloths
 55 gals. stockholm tar
 11 bannister brushes
 7 tar brushes
 9 flat varnish brushes 3½"
 5 white wash brushes
 1½ cwt. colored waste
 1 cwt. white waste
 6 lbs. whiting
 2 50 fm. log lines

STORES LOST FROM ENGINE ROOM, ETC. (CABIN LOCKERS)

les 16" assorted - 3 doz.
 les 6" assorted - 6
 les handles - 12
 les carding - 12
 polishing paste - 16 tins
 older - 4 lbs.
 older fluid - 3 tins
 older iron - 2
 acksaw frame 12" - 1
 acksaw blades 10" - 4 doz.
 amp glasses asstd. - 6 doz.
 and hammers new - 3
 annister brushes new - 4
 scrubbing brushes new - 6
 aint brushes 4" & 2" - 12
 ash tools, asstd. new - 6
 hite wash brushes new - 4
 ire hand brushes new - 3
 ury cloth No. 1½ - 4 doz.
 lass paper (fine) - 1 doz.
 oda (common) - 15 cwt.
 oft soap - 112 lbs.
 ire clay - 2 cwt.
 ire bricks - 200
 alinometers a pot - 2 (metal)
 rass nuts ½", ¾" & 1" - 2 doz. ea.
 eyboard & keys - 1
 ine - 2 cwt.
 eesroom stove - 1

Lead wire 1/32" - 2 lbs.
 Copper wire 1/32" & 1/16" - ½ lb. ea.
 Hammer shafts - 6
 Syphon wool - ½ lb.
 Thermometers (brass) - 2
 Chisels flat & crosscut - 4
 Tube brushes 3" dia. - 18
 Carborundum stone 8" x 2 - 1
 Tape measure 60 ft. - 1
 Pliers round nose - 12
 School chalks - 1 box
 Gauge glasses 16" x ¾" - 6 doz.
 Gauge glasses evaporator 15" x ¾" - 1 doz.
 Gauge glasses drain tank 31" x ¾" - 3
 Indicator complete - 1
 Indicator cards, packets - 3
 Indicator cord, hanks - 3
 Hard soap - 56 lbs.
 Brass whit screw & nuts, 3/16", ½", 5/16" & ¾" - 2 doz. each
 Enamel (white) 3 gals.
 Winch ecc. straps - 2
 Winch stop valve spindles - 2
 Main check valve spindles - 3
 Dry check valve spindles - 3
 Mats, new - 4
 Camp stools - 4
 Cabin fans - 4

water can - 1
 funnel - 1
 cones 3/4" - 4 doz.
 diaphragms - 6 (size?)
 - 1 cwt.
 (galv.) - 2 dozen
 valves (size?) - 10
 brasses - 6 full sets
 piston rings 7" - 12
 skets - 6 new
 - 3 cwt.
 g knives - 2 new
 g sticks - 4
 elers new - 4
 mps new - 6

Cabin water bottles - 4
 Cabin glasses - 8
 Cabin lapps - 4
 Cabin brass seat hooks - 12
 Cabin wash basin - 1
 Cabin soap dishes - 3
 Curtains for 4 cabins
 Curtain rods (bunks) - 3
 Curtain rods (ports) - 7
 Beds - 4
 Bettees - 4
 Sinoes cabins - 4
 Runners cabins - 4
 Carpet square - 1
 Cabin mats - 8
 Alleyway runner - 1
 Alleyway mats - 8
 Mirrors, Engineers cabins - 4
 Chair, chief's room - 1

Paint oils

in tunnel - 8 cwt. }
 oil & turps - 15 gals. } See Chief Engineer if required.
 in tunnel - 20 lbs. }
 ne in tunnel - 56 lbs. }

Wires in store (steam) all spoilt.

3/8", 1/2", 5/8", 3/4" - about 100 feet
 (6) (6) (2) (1) boxes

map metallic packing - 2 sets in box
 map packing 15/16" - 6 boxes
 piston rod packing 1 1/2" - 2 boxes
 valve spindle packing 1/8" - 2 boxes
 ites packings, new, in boxes - 2 sets piston rod & 1 set valve spindle
 packings in store
 3/8", 1/2", 5/8", 3/4", 7/8" - 20 feet each
 le door joins 16" x 12" - 24
 jointings Tuckite - 1 1/2 sheets
 asbestos - 1 sheet
 es cond, large balls - 2
 on rope for lagging - 6 balls
 urn - 1 ball

Room oils - All lost. See Chief Engineer.

log books - 6
 ot sheets & store sheets - 2 dozen each
 y valve keys, counter key & clock key

Wire stores

110 volts 40 watts, bayonet - 6 doz.
 110 volts 100 watts, bayonet - 16
 110 volts 100 watts, screw - 16
 es, tumbler - 4



© 2019

Lloyd's Register

W 54 0275 14/36

Electric store (continued)

500 watt wire 5 & 10 amp. - 1 lb. each
insulating tape - 2 lbs.
insulating rubber tape - 2 lbs.
5 tyre cable twin - 50 yards.
red covered cable twin - 50 yds.
thin flex cable twin - 20 yds.
Bayonet fittings, deck head & hanging - 12 each
Bayonet (Bayonet) - 6
Main fans Brushes asst.-12
Dynamo brushes complete set - 16
Portable lamp - Chief's room - 1
Box of fuse clips (brass) - 6 doz.
Fuses 5 & 10 amp. china - 2 doz. each

also, nuts & washers

lensol boiler brickettes(in tunnel)- 200

tools in Engine Room & store

Winnsmiths mallet - 1
Shifting spanners, large & small - 2 & 1
Stillson wrenches, 2 & 1
atchet brace - 1
atchet drills $\frac{3}{8}$ ", -5 (twist)
hammers old in use - 3
Quarter hammer 7 lbs. - 1
Large hammer shafts - 6
Hand drilling machine & drills - 1
Misel & gauge 1" - 1 each
Die nuts, $\frac{1}{2}$ ", $\frac{3}{4}$ ", $\frac{1}{2}$ " - 1 each
and punches $\frac{3}{8}$ " $\frac{1}{2}$ " - 1 each
Chisels flat & cross cut in use - 4 each
Baulking tools & drifts - 6 each
File & portable ditto - 1 each
Box wedges small 4 & large
Shears, pliers, pincers, footprints - 2 each
Condenser ferrules - 100
Screw drivers large & small - 1 each
Healing hammers - 6
Shovels trimming 6 fixing 10 - 16 (new) & 6 (old) (in stockhold)
Springs for feed valves - 24
Sheet iron 1/16" & $\frac{1}{8}$ " - sheet each
Steel rule - 2 foot
Brass feed pump valves - 6
Brass feed dky pump valves - 6
Brass feed dky stop valve spindle - 2
Chain blocks (small) - 1
Rope blocks large & small - 1 each
Sling chains - 2
Slackets asst. - 12
Eyebolts asst.-12
Ash hoist wire rope - 100 ft.
Ash hoist cups 5" - 6
Bottle jack - 1
Rope straps - 6
Spring balance - 1
Woodite rings for feed dkys - 6
Piston rings for ballast pump, dynamo, feed pumps, air pump (winch
condenser) & winches & bag of spares for winch piston rod complete (new)
Grindstone in trough - 1



© 2019

Lloyd's Register
W54-0215/36
Foundation

etc. in store & engine room (continued).

grindum grinder 6" - 1
 complete (Engine room) - 1
 room clock - 1
 gauges - 9
 hold gauges - 3
 er - 1
 cloths - 6 doz.
 trays - 2
 minium paint - 1 gal.
 plates - 50
 pins for top & bottom ends - 12
 ers $\frac{1}{2}$ ", $\frac{3}{8}$ ", $\frac{1}{4}$ " $\frac{3}{8}$ ", 1" - 2 each
 ers main engine sizes - 1 full set $\frac{3}{8}$ " to $1\frac{1}{2}$ "
 ended $\frac{1}{2}$ " & $\frac{3}{8}$ ", $\frac{1}{4}$ " & $\frac{3}{8}$ " - 2 each
 brooms heads & shafts - 8
 tin asst. - 8 sheets
 brass $1/32$ ", $1/16$ ", $\frac{1}{8}$ " - $\frac{1}{2}$ sheet each
 rods $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1 ", $1\frac{1}{2}$ " - 4 feet each
 barrows - 3
 hammers - 2
 & slices (working) - 4 each
 & slices (cleaning fires) - 2 each & 2 spares
 lamps tin - 10-12
 lamps in engine room at water gauges, etc. - 10
 check valves auxy & main (lids) - 3 each new & 3 each old
 - 1
 ore - 2 pairs
 buckets - 7 (used)
 measure - 1
 gallon measure - 1
 a measure - 1
 ls - 2
 bit 1" - 1
 der oil kettle - 1 (copper)
 vice - 1
 ots in use - 3
 measures - 2
 pot - 1
 e room mats - 4
 smiths forge & tools, tongs - 3
 & flatter - 3
 lead - 6 lbs.
 ite - 6 lbs.
 grindum powder (fine & - 1 lb coarse) each
 rivets asst. - 2 lbs.
 ss - 3 gals.
 heads - 12
 pins, iron - 200
 pins, copper $3/16$ " - 3 doz.
 leather - 2 sq. ft.
 s to supply by Ship Chandler. (not included in Estimate)

tierces salt beef	6 lbs. hops.
barrels salt pork	30 lbs. cheese
barrels flour	150 lbs. lard
C.W.T. crew bread	84 lbs. dried apples.
C.W.T. Cabin bread	56 lbs. barley
C.W.T. green peas	30 lbs. vermicelli
C.W.T. split peas	34 lbs. macaroni
C.W.T. har. beans	29 lbs. tapioca



© 2019

Lloyd's Register
 Foundation

541-0275 16/36

to supply by ship Chandler.

W.T. Oatmeal
W.T. rice
W.T. sugar (caster)
W.T. sugar (loaf)
W.T. Molasses
W.T. codfish
butter (crew)
butter (cabin)
corned beef
pres. Mutton
Soup & boyille.
Jam
Marmalade
Assorted soups
roast beef
boiled beef
roast mutton
boiled beef
ass. Jams
findon haddock
herring (kippered)
herrings (fresh)
minced collops
tripe
De tongue
Rabbits
kidneys
brawn
tomatoes
cust
Ass. fruits
coffee.
Tea
Raisins
Currants
des bacon (210 lbs).
des Ham (105 lbs).
Mustard
Pepper
Gr. ginger
tles. Egg colouring

30 lbs. sago
25 lbs. cornflower
20 lbs. com. vega
26 lbs. pres. potatoes
24 No tins curry powder
20 lbs. lemon peel
48 lbs. prunes
1 lbs. Nutmegs
16x 1's baking powder
5x 1's Mixed spice
49x 1's custard powder
36 bottles ass. pickles
60 bottles ass. sauce
6 bottles celery seed
5 bottles mixed herbs
6 bottles sage.
21 bottles essences.
72 bottles ass. fruits
41 Galls. crew pickles
4 Galls vinegar
21 Jars. Table salt
3 C.W.T. black salt
19 Cases com. milk
68 Tins red salmon
72 Tins sardines
4 Tins fancy biscuits
48 Pkts. Jellies
3 Cases line juice
Port wine
Whisky
Brandy
Rum
55 lbs. Figs
40 lbs. Fruit salad
23 lbs. Cocoa
72x 2's Sausages
24 jars bovril
21 Jars Chutney
12 lbs. Egg powder
36 Pkts. Cornflakes
36 Pkts. Shredded wheat
44 Pkts. Oatmeal

Accommodation Repairs & Renewals

's room:

Deck head and deck open up and make tight.
All casings under ports open out and inside of steel bulkheads
in way of same scale and paint.
Cottages re-condition or renew.
Mattress open out & re-condition.
All furniture & bulkheads re-condition & re-polish.
Mirror re-silver.

's bath room:

Bath tap renew.
W.C. seat to repair
Water can renew.
Cork mat renew.
Bath room cabinet with mirror renew and fix.
All medicine chest doors to renew and fix.
Deck re-level. (Suggest tiling).
Deck-head leaking; repair.
Bath room painting.

© 2019

Lloyd's Register
Foundation

Accommodation repairs & renewals (continued).

Saloon:

Deck head to open up and make tight.
All casings under ports open out and inside of steel bulkheads in way of same scale and paint.
Settee re-condition or renew.
All furniture & bulkheads re-condition and re-polish.
Mirror to re-silver.
Both doors to re-set & lock repair.
4 sets of port curtains renew.
3 water bottles & 4 tumblers renew.

Chart room:

Deck head to open up and make tight.
All casings under ports open out & inside of steel bulkheads in way of same scale & paint.
Settee renew.
All furniture re-condition and re-polish.
3 sets of port curtains renew.
Reading lamp shade renew.
All locker doors overhaul.
Arrangement plan & deadweight scale plan renew: also frames for same.
1 thermometer in cast to renew.

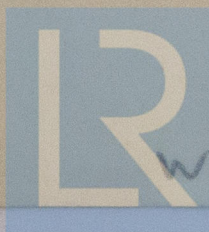
26 oil lamps in all missing from total accommodation; part supplied.

Chief Officer's berth:

Wash basin compactum repair & make in good condition.
Water bottle & 2 tumblers renew.
Settee re-condition.
Settee covers renew.
2 bunk curtains renew.
4 port curtains renew.
1 door curtain renew.
1 glass renew & fit on cupboard door.
Linoleum renew.
Floor carpet to fit square of floor renew.
2 coir mats renew.
1 set screw for oil lamp renew.
1 white globe for oil lamp renew.
3 bulkhead curtain hooks renew.
2 pillows & 4 pillow-cases renew.
Centre electric light fitting renew.
Electric reading lamp shade renew.
Keys required for deck, cupboard & all drawers.
Water-can renew.
Wood furniture re-polish.
14 drawer handles bent.
Deck head to open up and make tight.
1 basket chair renew.

2nd Officer:

Wash basin renew & compactum make in good order.
1 water bottle & 2 tumblers renew.
Settee re-condition.
Settee covers replace.
1 set bunk curtains renew.
1 set port curtains renew.
1 door curtain & rod replace.
1 electric fan renew.
1 carpet & 2 door-mats renew.
1 water-can renew.



© 2019

Lloyd's Register
Foundation

1 officer: (continued)

Deck head leaking; repair.

2 officer:

Book rack renew.
Towel rail renew.
Table re-condition.
1 set bunk curtains renew.
1 set port curtains renew.
Linoleum renew.
1 carpet renew.
1 door mat renew.
1 water bottle & 2 tumblers renew.
Settee re-condition.
Settee covers renew.
Locker door under bunk re-condition.
Compactum re-condition.
1 water can renew.
1 book tray for bunk-board renew.
Deck head leaking; repair & room paint.

ward:

1 basket chair renew.
2 hair mattresses renew.
2 sets of bunk curtains renew.
2 sets of port curtains renew.
1 settee repair.
2 settee cushions renew.
1 electric reading lamp renew.
1 water bottle & 2 tumblers renew.
1 carpet & 2 door mats renew.
Linoleum renew & lay.
All furniture re-polish.
Deck head leaking; repair.
Room paint with white enamel.
1 water can renew.

entry:

Deck head leaking; repair.
Pantry paint.

store room:

Deck head leaking; repair.
Store room paint.

cook:

2 curtain rods & fittings for bunk curtains renew and fix.
2 sets bunk curtains renew.
1 curtain rod & fittings for port renew & fix.
1 set port curtains renew.
Port re-bed & rubber renew.
2 thumb screws for port renew.
Compactum to re-condition & receiver for same renew.
Furniture re-polish.
Bunk board sockets renew.
Wardrobe door handle renew.
New settee & settee back required.
Electric light fittings renew.
Linoleum renew.
1 coconut matting runner & 1 door mat to renew.



© 2019

Lloyd's Register
541 0275 136
Foundation

(continued).

2 brass coat hooks renew and fix.
1 water bottle & 2 tumblers renew.
1 drawer handle renew and fix.
Mushroom vent. glass renew and fix
Deck head leaking; repair & room paint.

entices' room:

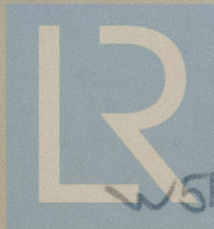
Mushroom vent. glass renew and fix.
Drop table renew and fix.
Furniture re-polish.
4 brass curtain rods & fittings for bunks renew and fix.
2 brass curtain rods & fittings for ports renew & fix.
4 sets bunk curtains renew.
2 sets port curtains renew.
All bunk-board sockets renew.
1 port glass renew.
2 ports re-pack with rubber.
1 bottle rack & mirror combined renew and fix.
1 water bottle & 2 tumblers renew.
Wash basin & receiver for same renew and fix in place.
Wardrobe door renew and fix in place.
5 brass coat hooks renew and fix in place.
1 polished wood table renew & fix in place.
1 wood form re-condition and cushion.
1 wood form renew.
Linoleum renew.
2 door hooks renew and fix in place.
2 thumb screws for ports renew.
1 door mat & 1 coconut matting runner renew.
Door re-set.
Deck head leaking; repair.
Paint burning off & room paint.

Lawain & Carpenter's Room:

2 sets bunk curtains renew.
1 set port curtains renew.
Settee & back re-condition.
Bunk-board sockets renew and fix.
Combined bottle-rack & mirror renew and fix.
Water bottle & 2 tumblers renew.
Linoleum renew.
Door hook renew and fix.
Door re-set.
Electric light fitting renew & fix.
Wash-basin receiver renew.
Deck head leaking; repair & room paint.

Boys' Room:

2 sets bunk curtains renew.
1 set port curtains renew.
Sockets for lower bunk curtain rod renew & fix in place.
Combined mirror & bottle-rack renew & fix in place.
Water bottle & 2 tumblers renew.
All sockets for bunk-boards renew and fix in place.
Plug for wash basin renew and fix.
Hinges for wash basin renew & fix in place.
3 brass coat hooks renew & fix in wardrobe.
Wood form re-set & cushion.



© 2019

Lloyd's Register
W541-0 275 136

Room: (continued)

port glass renew & fix in place.
port re-pack with rubber.
moleum renew & lay.
coconut matting runner & 1 door mat renew.
ash basin receiver renew.
cock head leaking; repair.
room paint.

Al:

bunk curtain rods & fittings renew & fix in place.
sets bunk curtains renew.
port curtain rod & fittings renew & fix in place.
set port curtains renew.
combined mirror & bottle-rack renew & fix in place.
water bottle & tumblers renew.
ettee & back renew & fix in place.
top table re-condition.
oth bunk board sockets renew & fix (All).
receiver for wash basin renew.
door hook renew & fix in place.
moleum renew & lay.
coconut matting runner & 1 door mat renew.
cock head leaking; repair.
room paint.

com & lavatory (Starboard side):

mirror re-condition & make good again.
humb screws on port renew.
e-pack port with rubber.
cock level with composition.
door bolt renew.
pipes to bath & lavatory overhaul & repair in places.
lavatory valve & seat overhaul.

com & lavatory (Port side):

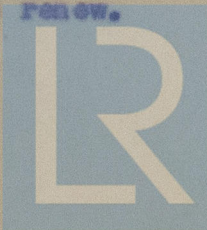
port rubber renew & port free.
mirror re-condition & make good again.
cock level with composition.
wood deck gratings renew.
wood bucket stand for bath renew.
lavatory seat re-condition.
electric light fittings renew & fix in place.
electric light switch renew.
door hook renew & fix in place.
pipes bath & lavatory overhaul & repair where required.
lavatory valve overhaul & test.

W Forecastle:

door hook for companion way doors renew & fit in place.
lavatory seat repair.
lavatory door handle & lock repair.
wash hand basins renew & fit.
all pipes in lavatory & wash house overhaul & repair where necessary.

ard Alleyway abreast Engine Room:

full length runner & 2 door mats renew.



© 2019

Lloyd's Register
W 541-0275 2/36
Foundation

Women's Forecastle:

2 steel bunks overhaul & fit on forward bulkhead.
3 wash hand basins renew & fit.
2 wood locker doors repair.
All pipes in wash house & lavatory overhaul & repair where required.

Men's Room:

Mahogany seat (loose) replace.
Stove (round cast iron), copper stove piping & iron inner lining.
Lino on flooring & 6 mats.
Table, packing under pedestal feet make good.
Bolt on locker door replace.
Coat hooks, 4 replace.
Port curtains & rods, also fixtures.
All crockery, cutlery, table cloths, etc., lost, as on former list.
Alleyway: Coir runner full length, & 7 mat renew.

Chief Engineer's Room:

Drawers under bunk to free and make good where necessary.
Desk, drawers to free where swollen, & one drawer front renew, and all made good.
Chair renew.
Settee renew & locker lids replace.
Duplex burner oil lamp renew.
Compactum mirror renew, & door on bottom cupboard replace.
Water bottle rack refix.
Lino renew. Carpet square & runner & 4 mats renew.
Curtains etc., replace.
Curtain rods, fixture & replace.
Portable lamp, replace.
Fan replace.
Switch block & plug for portable lamp & fan, renew also switch for same.

Fourth Engineer's Room:

Chest of drawers renew.
Bunk bottom boards replace.
Settee locker, lids & settee renew.
Wash basin renew & soap dish.
Fan renew & plug in & switch.
Wardrobe door free.
Campstool renew.
Oil lamp renew.

Second Engineer's Room:

Drawers free, & bottom drawer replace.
Settee renew & locker lids renew.
Compactum, wash basin, soap dish renew, front of fixture replace.
Mirror renew and all make good.
Collapsible table renew and refix.
Lino & carpet runner, renew also 3 mats.
Curtains & rods, all renew & fix.
Fan renew also plug for same & switch.
Coat hooks 4 renew.
Campstool renew.
Oil lamp renew.



© 2019

Lloyd's Register
W541-0275-136
Foundation

Engineer's Room:

Drawers free and make good.
 Compactum, soap dish renew & mirror.
 Settee renew cushion & locker lids.
 Line renew also carpet runner & wasts.
 Fan renew, also plug in & switch.
 Curtains & rods renew & refix.
 Wardrobe, door replace & coat hooks, 4, in wardrobe renew.
 Camp stool renew.
 Oil lamp renew.

Dirty water receivers for 4 cabins renew.

ply:

CABIN AND MESS ROOM.

Doz.	Pint pots.	2	No.	Knife cleaning machines.
"	Cups and Saucers.	12	"	Scrubbers.
"	Soup plates.	56	lbs.	Hard soap.
"	Dinner plates.	56	"	Soft soap.
"	Dessert plates.	1	C.W.T.	Common soda.
"	Fruit plates.	4	Galls	White Enamel.
"	Cheese plates.	1	"	Aliminus paint.
No.	Cruets.	1	"	Brunswick black.
"	Salt collars.	8	No.	Paint brushes.
"	Cream Jugs.	24	"	Table clothes. white.
"	Hot water jugs.	2	"	Table clothes. Coloured.
"	Sugar basins.	36	"	Glass clothes.
"	Butter dishes.	18	"	Mattresses flock.
"	Preserve dishes.	18	"	Mattresses Hair.
"	Salad bowls.	3	Doz.	Pillows flock.
Doz.	Dinner knives.	3	"	Pillows Hair.
"	Fish knives.	3	"	Counterpanes.
"	Desert knives.	6	"	Sheets.
"	Dinner forks.	6	"	Pillow slips.
"	Fish forks.	6	"	Blankets.
"	Desert forks.	6	"	Serviettes.
"	Soup spoons.	3	"	Settee covers.
"	Dessert spoons.	2	"	Chair covers.
"	Tea spoons.	The Medicine chest to be		
No.	Carver sets.	reconditioned according to		
"	Large bread knives.	Board of Trade requirements.		
"	Water bottles.	2	Bath rooms for repairs.	
"	Tumblers.	2	Oil stoves.	
"	Soup tureens and Ladles.			
"	Oval meat dishes.			
"	Vegerable dishes.			
"	Buckets.			
"	Tea pots.			
"	Coffee pots.			
"	Tin openers.			
Doz.	Brass polish.			
Doz.	Sponge clothes.			
No.	Carpet runners.			
"	Door mats.			



© 2019

Lloyd's Register
 Foundation

23/

W54/10275

136

ply (continued).

GALLEY.

Galley stove for repairs.
 Table and lockets for repair.
 1 soup pan (8 galls)
 1 large fish kettle.
 1 large dough tin.
 4 large bread trays.
 3 large dripping tins.
 4x2 Galls sauce pans.
 2x1 Galls Sauce pans.
 2 Frying pans.
 2 Stew pans.
 1 Potato snow.
 1 Potato masher.
 1 Rolling pin.
 2 Fish slices.
 2 Egg slices.
 2 Meat cleavers 1 large. 1 small.
 2 Meat saws 1 large. 1 small.
 2 Galley spoons.
 2 Galley forks.
 2 Galley ladles.
 2 Galley knives.
 2 Galley colanders.
 2 Galley strainers.
 2 Galley Wincing machines.
 3 Galley Buckets.
 12 Mess Kiddy.
 18 Enamel pie dishes.
 9 Pudding moulds.
 24 each knives forks spoons. (crew supplied).
 24 Enamel plates.
 1 Large Ice box.
 1 Large Vegetable locker.
 1 Large Potato locker.
 1x4 Gall Kettle.
 2x1 Gall kettle.
 24 Enamel pint pots.
 2 Galley Lamps.



© 2019

Lloyd's Register
 Foundation

W 547-0275/36

Painting. Cementing.

Holds & tween decks, engine & boiler spaces clean 1 coat red lead, 1 coat hold paint.

Bottom 2 coats anti-corrosive.
1 coat anti-fouling.

Deck top 1 coat anti-corrosive.
1 coat anti-fouling.

Topsides 2 coats red lead.
1 coat black paint.

Fore peak & aft peak 2 coats cement wash.

Bunkers bituminous solution as before.

All bottom thick cement renew.

Bilge ceiling renew throughout vessel.



© 2019

25/
W54-0275/36
Lloyd's Register
Foundation

S.S. "HISSEI MANOR"

Machinery recommendations.

Main engines:-

Main engines to open up completely for cleaning and examination.
All valve gear to open out and clean, and all oil cups and oil pipes to clean.

Main engine and thrust bed plates to clean for examination.

Crank shaft and thrust shaft to lift for examination of bearings, crankshaft journals and pins to polish.

All piston rods and valve rods to polish in lathe and soft packing in H.P. and L.P. piston rod and in all valve rod glands renew.

H.P. piston rod metallic packing overhaul, clean and refit.

Main engine pump plungers and air pump rod to polish in lathe.

Main condenser to clean and test.

Lagging on all cylinders to renew.

All holding down bolts to test and shaft alignment to check.

(Auxiliary pumps:- All pumps to open up and overhaul and piston and plunger rods and valve rods to polish. Valve gear open up and clean and all oil cups and pipes to clean. Cylinder lagging renew.

Dynamo and Engine:- Dynamo to overhaul and rewind completely or renew.

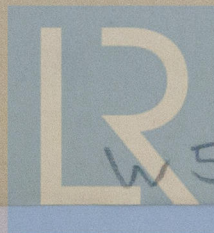
Dynamo engine open up, overhaul and piston and valve rods polish. Oil cups and pipes to clean.

All steam and feed pipes in engine and boiler rooms where made of copper to anneal and test and steel pipes to test.

Jointing of all steam, feed, exhaust pipes, etc to renew and all laggings renew, and valves open up and overhaul.

All deck steam and exhaust pipes and valves, wash deck and fire extinguisher, to overhaul, repair or renew as necessary and lagging renew.

© 2019



Lloyd's Register
W 54E-0275 136
Foundation

Sea connections to open up, clean for examination.

Electric equipment:- Switchboard to overhaul, repair or renew as necessary. All cables and fuses to renew. All fittings repair or renew as necessary.

All electric cables and fittings, with bulbs in accommodation and on deck to overhaul, repair or renew as necessary. The complete electric installation to megger test on completion of repairs.

Main Boilers:- All lagging to renew.

All boilers to clean for examination including cleaning of boiler and uptake tubes.

All boiler mountings and safety valves to open up, and overhaul for examination and lagging renew.

Boilers:- All boilers to lift, stools to examine and boilers refit and recheck. Rolling cheeks between boilers and /or bulkheads to renew.

All boilers to test by hydraulic pressure to $1\frac{1}{2}$ times working pressure when lagging removed, and mountings to be tested.

Lubricating oil tanks in engine room to clean and test.

Hotwell tank and filters to clean and test.

All intermediate shafting (6) and propeller shaft to try in lathe for truth.

Stern tube to draw for examination and test by hydraulic pressure.

All tunnel bearings to clean for examination and broken bearings and caps renew.

All piping (bilge, ballast & cooling) in engine room and bilge and ballast pipes in holds, bunkers and peaks to overhaul, examine, and renew as necessary, also air and sounding pipes.

All valve boxes, strums, roseboxes, etc. for above pipes to overhaul, repair or renew as necessary.

Cast iron floor plates with their bearers in stokehold and engine room to renew or repair as necessary.

All pressure gauges in engine room to renew, also in stokehold.

Framing etc.

Numbered from aft.

Port side

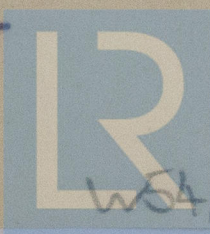
Starboard side

frame	Tank side brackets, bilge frame and gusset angles.	Main frame.	Tank side brackets, bilge frame and gusset angles.
remove fair 5'		Cut remove fair 5'	
remove fair 5'		Cut remove fair 5'	
remove fair 5'		Cut remove fair 5'	
T. Bulkhead			
remove fair 8'		Cut remove fair 8'	
remove fair 8'		Cut remove fair 8'	
renew 8'		Cut renew 8'	
renew 8'		Cut renew 8'	
T. Bulkhead			
renew 10'	Renew	Cut renew 10'	Renew
renew 12'	Renew	Cut renew 12'	Renew
remove fair 10'	Remove, fair, refit	Cut renew 10'	Renew
remove fair 12'	Remove, fair, refit	Cut renew 12'	Renew
remove fair 10'	Remove, fair, refit	-	Renew.
remove fair 12'	Remove, fair, refit	-	Renew
remove fair 10'	Remove, fair, refit	-	Remove, fair refit
remove fair 12'	Remove, fair, refit	-	Remove, fair refit
remove fair 10'	Remove, fair, refit	Cut renew 12'	Renew
renew 12'	Remove, fair, refit	Cut renew 10'	Renew
renew 10'	Remove, fair, refit	Fair in place	Renew
renew 12'	Remove, fair, refit	-	Remove, fair refit
renew 10'	Renew	-	-
renew 12'	Renew	-	-
renew 10'	Renew	-	-

© 2019

Continued.

Lloyd's Register
Foundation



Framing etc.

Numbered from aft.

Port side		Starboard side	
Frame	Tank side brackets, bilge frame and gusset angles.	Main frame	Tank side brackets, bilge frame and gusset angles.
12'	Renew	-	-
10'	Renew	-	-
12'	Renew	-	-
10'	Renew	-	-
12'	Renew	-	-
10'	Renew	Remove, fair, refit	Renew
12'	Renew	Cut renew 10'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut renew 12'	Renew
18'	Renew	Cut renew 18'	Renew
12'	Renew	Cut remove fair 8'	Renew
18'	Renew	Cut remove fair 10'	Renew
12'	Renew	Cut remove fair 8'	Remove, fair, refit
18'	Renew	-	Remove, fair, refit
12'	Renew	-	Remove, fair refit
18'	Renew	-	Remove, fair refit
12'	Renew	-	Remove, fair refit



© 2015 Lloyd's Register
 Continued.
 W54100215 29/36

Framing etc.Numbered from aft.Port sideStarboard side

Main frame	Tank side brackets, bilge frame and gusset angles.	Main frame	Tank side brackets, bilge frame & gusset angles.
renew 18'	Renew	-	Remove, fair, refit
renew 12'	Renew	-	Remove, fair, refit
renew 18'	Renew	-	Remove, fair, refit
renew 12'	Renew	-	Remove, fair, refit
W.T. Bulkhead.			
remove fair 6'	Renew	-	Renew
remove fair 10'	Renew	-	Renew
remove fair 6'	Renew	-	Renew
remove fair 10'	Renew	-	Renew
-	Renew	-	Renew
-	Renew	-	Renew
-	Renew	-	Renew
-	Renew	-	Remove, fair, refit
-	Renew	-	Remove, fair, refit
-	Renew	-	Remove, fair, refit
-	Renew	-	Remove, fair, refit.
-	Renew	-	Remove, fair, refit
-	Renew	-	Remove, fair, refit.
-	Renew	-	Renew
-	Renew	-	Renew
-	Renew	-	Renew
-	Renew	-	Renew
W.T. Bulkhead.			



© 2019

Lloyd's Register

Continued.

Foundation 30/

W 541-0215 136

Pranming etc.

Numbered from aft.

Port side

Starboard side

frame	Tank side brackets, bilge frame and gusset angles.	Main frame	Tank side brackets, bilge frame & gusset angles.
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
move fair 10'	Renew	-	Renew
move fair 12'	Renew	-	Renew
move fair 10'	Renew	-	Renew
move fair 12'	Renew	-	Renew
move fair, refit, 10'	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
	Renew	-	Renew
Renew 8'	Renew	Remove, fair, refit	Renew
Renew 12'	Renew	Remove, fair, refit	Renew
Renew 8'	Renew	Remove, fair, refit	Renew
Renew 12'	Renew	Remove, fair, refit	Renew
Renew 8'	Renew	Remove, fair, refit	Renew
Renew 12'	Renew	Remove, fair, refit	Renew
Renew 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew

Continued.

Framing etc.Numbered from aft.

<u>Port side</u>		<u>Starboard side</u>	
frame	Tank side brackets, bilge frame and gusset angles.	Main frame	Tank side brackets, bilge frame and gusset angles.
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Remove, fair, refit	Renew
remove fair 12'	Renew	Remove, fair, refit	Renew
remove fair 8'	Renew	Renew	Renew
remove fair 12'	Renew	Renew	Renew
remove fair 8'	Renew	Renew	Renew
remove fair 12'	Renew	Renew	Renew
remove fair 8'	Renew	Renew	Renew
W.F. Bulkhead.			
remove fair 8'	Renew	Renew	Renew
remove fair 10'	Renew	Renew	Renew
remove fair 8'	Renew	Renew	Renew
renew 10'	Renew	Renew	Renew
renew 8'	Renew	Renew	Renew
renew 10'	Renew	Renew	Renew
renew 8'	Renew	Renew	Renew
remove fair 20'			
renew 10'	Renew	Renew	Renew
renew 8'	Renew	Renew	Renew
renew 12'	Renew	Renew	Renew
renew 15'	Renew	Renew	Renew
renew 12'	Renew	Renew	Renew

Continued.

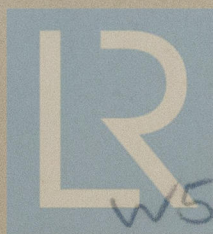
© 2019

Lloyd's Register
W541-0275/36
Foundation

aning etc.

Numbered from aft.

<u>Starboard side</u>		<u>Starboard side</u>	
Frame	Tank side brackets, bilge frame and gusset angles.	Main frame	Tank side brackets, bilge frame & gusset angles.
15'	Renew	Renew	Renew
12'	Renew	Renew	Renew
15'	Renew	Renew	Renew
12'	Renew	Remove, fair, refit	Renew
15'	Renew	Remove, fair, refit	Renew
12'	Renew	Remove, fair, refit	Renew
15'	Renew	Remove, fair, refit	Renew
ove fair 12'	Renew	Remove, fair, refit	Renew
ove fair 15'	Renew	Remove, fair, refit	Renew
ove fair 12'	Renew	Remove, fair, refit	Renew
ove fair 15'	Renew	Remove, fair, refit	Renew
ove fair 12'	Renew	Remove, fair, refit	Renew
ove fair 15'	Renew	Remove, fair, refit	Renew
ove fair 12'	Renew	Remove, fair, refit	Renew
ove fair 15'	Renew	Remove, fair, refit	Renew
ove fair 12'	Renew	Remove, fair, refit	Renew
Bulkhead.			
new 15'	Renew	Cut renew 15'	Renew
new 12'	Renew	Cut renew 12'	Renew
new 15'	Renew	Cut renew 15'	Renew
new 12'	Renew	Cut renew 12'	Renew
new 15'	Renew	Cut renew 15'	Renew
new 12'	Renew	Cut renew 12'	Renew
new 15'	Renew	Cut renew 15'	Renew
12'	Renew	Renew 12'	Renew



© 2019

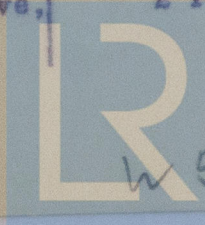
Lloyd's Register
W541-0275 33/36

Water tight Bulkheads.

Plate	Boundary angle	Stiffener	Stiffener bracket.
sq.ft. renew	15 ft. renew		
sq.ft. renew	20 ft. renew		
sq.ft. renew	60 ft. renew	2 part remove refit	14 remove, fair, refit.
sq.ft. renew			
sq.ft. remove, fair, refit.			
sq.ft. renew	60 ft. renew	1 part renew	16 remove, fair, refit.
sq.ft. remove, fair, refit.			
	80 ft. remove, fair, refit.		20 remove, fair, refit.
8 sq.ft. renew	100 ft. renew	2 part renew	35 remove, fair, refit.
80 sq.ft. renew		20 remove, fair, refit.	2 renew.
8 sq.ft. renew			
remainder of plating remove, fair, refit.			
10 sq.ft. renew	40 ft. renew		
120 sq.ft. remove, fair, refit.			

Centre Line Bulkhead.

Plates	Stiffeners	Stiffener brackets.
	6 remove, fair, refit	1 renew.
	7 remove, fair, refit	
1 fair in place	3 remove, fair, refit	
1 part renew	7 part renew	2 renew
Remainder remove, fair, refit.	7 part remove, fair refit.	
	Tank top angle renew	
1 part renew	1 remove, fair, refit	1 remove, fair, refit
	Tank top angle renew	
1 part renew	7 remove, fair, refit	
1 part renew	7 remove, fair, refit	
1 renew		
Remainder remove, fair, refit.		
420 sq.ft. remove, fair, refit.	8 remove, fair, refit	1 renew 1 remove, fair, refit
Bottom plate fair in place	Bottom angle remove, fair, refit	2 remove, fair, refit



© 2019

Lloyd's Register
Foundation

W 541

0275

24/36

Main Deck.

	<u>Deck plates</u>	<u>Beams</u>
between Nos.4 & 5 hatches	6 remove,fair,refit	6 part remove, fair, refit. 1 hatch end beam, web plates part renew. Face angle part remove,fair,refit. End coaming remove fair, refit.
away of No.4 hatch board side		6 remove, fair, refit.
between No.3 hatch and er casing.	3 renew	5 remove, fair, refit.
away of No.3 hatch port		4 remove, fair, refit.
between Nos.2 & 3 hatches	1 renew 7 remove,fair,refit	9 part remove, fair, refit.
between Nos.1 & 2 hatches	4 remove,fair,refit	10 remove, fair, refit.
at No.65 end coaming	Plate remove,fair, refit	1 remove,fair, refit.

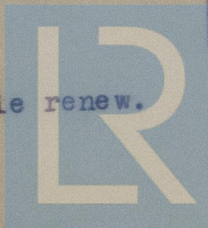
Shelter Deck.

between No.3 hatch & er casing	5 remove,fair,refit	5 remove, fair, refit.
at No.65 end coaming	Remove,fair,refit	Remove,fair, refit.

Tank top plates & Margin plates.

	<u>Tank top plates</u>	<u>Margin plates</u>
No.5 hold	11 renew 3 remove,fair,refit	5 renew
No.4 hold	12 renew 10 remove,fair,refit	5 renew 1 remove,fair refit.
engine and boiler space	12 renew 8 remove,fair,refit	3 renew 2 remove, fair, refit.
No.3 hold	25 renew	5 renew
No.2 hold	18 renew 10 remove,fair,refit	6 renew
No.1 hold	16 renew	7 renew

All margin angle renew.



© 2019

Shaft tunnel.

Plates	Stiffeners
2 side renew	10 remove, fair, refit
6 side remove, fair, refit.	
6 side remove, fair, refit.	15 remove, fair, refit

Banting stringers in No.1 hold.

Port side	Starboard side
bottom] remove, fit	1st renew
bottom) remove, fit	2nd remove, fair, refit
bottom) remove, fit	2nd remove, fair, refit

forward end casing in way of tween deck, 4 plates remove, fit.

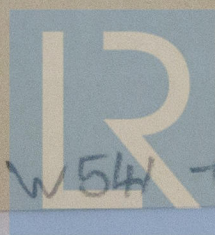
centre girder, intercostals girders renew or remove, fair t, except 11 floors under the engines. An internal survey of was not practicable owing to the badly damaged condition.

Cost of consumable stores not included in estimate.

Figures marked in red are General Average.

Total 40,152 Yen.

C. J. McElshan.



© 2019

36/36 Register Foundation