



SPARE GEAR

FOR

ENGINE NO. 954

AND

ENGINE NO. 956

All large spare gear, etc. to be fixed up on  
bulkheads and no gear to be left loose.

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002870-002875-0101'1/4



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SPACE GEAR

954 & 956

D.O.

- 1 propeller shaft complete with nut and liner, fitted in position in tunnel.
- 1 propeller, cast iron and steel mixture, fitted in place in tween decks.
- " 2 bottom end bolts and nuts,  $3\frac{3}{8}$  ins. dia. 2 ft. 4 ins. overall length, fixed on bulkhead.
- " 2 top end bolts and nuts,  $2\frac{1}{8}$  ins. dia. 18.11/16 ins. overall length, fixed on bulkhead.
- " 2 main bearing bolts with top and bottom nuts, fixed on bulkhead.
- " 6 coupling bolts and nuts, 3 ins. dia. body, screwed  $2.5\frac{5}{8}$  ins. dia.  $9\frac{3}{4}$  ins. overall length, fixed on bulkhead.
- " 6 casing cover studs,  $1\frac{1}{8}$  ins. dia.
- " 6 cylinder cover studs,  $1\frac{3}{8}$  ins. dia.
- " 10 junk ring set bolts,  $1\frac{1}{8}$  ins. dia.
- " 6 feed pump valves.
- " 2 sets valve discs for bilge pump (3 discs per set)
- " 6 sets air pump head valve discs (3 discs per set)
- " 1 pressure gauge - 7 ins. 0 to 360 lbs. per sq. ins. Red line 180.

LOWT IRON PLATE.  
LOWT IRON BARS.  
O BOLTS & NUTS.

GAUGES AND TEMPLATES.

M.S.

- 1 set templates for propeller and shafting, i.e. for cone, key, keyway and couplings.

FOR CONDENSERS.

D.O.

- 20 tubes.
- " 30 ferrules.
- " 6 collar bolts,  $7\frac{7}{8}$  ins. dia.

FOR BOILERS.

D.O.

- 2 doz. gauge glasses (for main boilers) Adamant.
- " 1 " " (for auxiliary boiler) Adamant.
- " 4 " India rubber washers for gauge glasses.
- " 4 tubes, plain, for main boilers.
- " 2 tubes, stay, " " "
- " 2 tubes, plain, " auxiliary boiler.
- " 84 firebars, plain, for main boilers.
- " 6 " wing, 3 R.H. & 3 L.H. for main boilers.

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Manufacturer.



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FOR BOILERS (CONTD)

954 & 956

- D.O. 66 firebars, plain, for auxiliary boiler.  
" 6 " wing, 3 R.H. & 3 L.H. for auxiliary boiler.  
" 1 set back bridges (Sturrock type - 178 in number)  
" 1 Howden's furnace front.  
B.S. 12 asbestos joints for main boilers.  
" 6 " " " auxiliary boiler.  
" 1 set iron templates for main and auxiliary boiler door joints.

FOR BOILER FEED PUMP (CARRUTHERS)

- D.O. 1/2 set pump valves, i.e. 2 suction and 2 delivery valves  
(3 discs per valve)

FOR AUXILIARY BOILER FEED PUMP (CARRUTHERS)

- D.O. 1/2 set pump valves, i.e. 2 suction and 2 delivery valves  
(3 discs per valve)

FOR SANITARY PUMP (CARRUTHERS)

- D.O. 1/2 set pump valves, i.e. 2 suction and 2 delivery valves  
(3 discs per valve)

FOR BALLAST PUMP (DAWSON & DOWNIE)

- D.O. 1/2 set pump valves, i.e. 2 suction and 2 delivery valves,  
rubber.

FOR FORCED DRAUGHT FAN AND ENGINE (HOWDEN)

- D.O. 1 relief valve spring.

FOR FEED WATER HEATER (LIVERPOOL ENGRG. & COND.CO.)

- D.O. 1 spring for safety valve.

FOR EVAPORATOR (LIVERPOOL ENGINEERING & COND.R.CO.)

- D.O. 6 coils.  
" 1 spring for safety valve.

FOR CIRCULATING PUMP (HENRY WATSON & SONS)

- " 1 impeller (gunmetal)  
" 1 pump spindle and nut (Manganese bronze)  
" 1 spring for relief valve.

FOR ASH HOIST.

- D.O. 3 piston cups.

FOR DISTILLER.

- D.O. 1-SPRING FOR RELIEF VALVE.

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DERIVED  
BYHELICAL SPRINGS.

D.O.	1	for boiler safety valve.	
"	1	superheater safety valve.	
"	1	reducing valve for steam to winches E.S.8.	
"	1	" " " " " cabin heating E.S.43.	
"	1	" " " " " dynamo engine E.S.31.	
"	1	" " " " " refrig. engine E.S.30.	
"	1	relief " " " " cabin heating E.S.43	
"	1	" " " " " dynamo engine E.S.31	
"	1	" " " " " refrig. engine E.S.30	
"	1	escape valve for H.P. cylinder, $2\frac{3}{4}$ " dia. 9 coils, $6\frac{3}{4}$ " long.	
"	1	escape valve for I.P. cylinder, $3\frac{7}{32}$ " dia. 8 coils, $6\frac{1}{2}$ " long.	
"	1	escape valve for L.P. cylinder, $3\frac{3}{8}$ " dia. 9 coils, 7" long.	
"	1	escape valve for bilge pump on main eng. $2\frac{1}{16}$ " dia. 10 coils, 6" long.	
"	1	feed pump on main eng. $4\frac{53}{64}$ " dia. 12 coils, $14\frac{1}{4}$ " long.	
"	1	escape valve for sanitary pump on main eng. $2\frac{7}{8}$ ", dia. 9 coils, $5\frac{5}{8}$ " long.	
"	1	relief valve on sanitary main, $1\frac{7}{32}$ " dia. 12 coils, $5\frac{3}{8}$ " long.	
"	1	relief valve on winch exhaust, $1\frac{6}{32}$ " dia. 10 coils, $5\frac{3}{8}$ " long.	
"	1	relief valve on refrig. and steering engine exhaust box, $31/32$ " dia. 7 coils, 2" long.	

RUBBER DIAPHRAGM DISCS.

D.O.	1	for reducing valve for steam to winches	E.S.8
"	1	" " " " " cabin heating	E.S.43
"	1	" " " " " dynamo engine	E.S.31
"	1	" " " " " refrig. engine	E.S.30

FOR SUPERHEATERS (NORTH EASTERN MARINE ENGINEERING CO.)

D.O.	50%	Blower and drain valve lids and seats (Total 8 in number)	
"	20%	jointing washers (50 in number)	
"	10%	steel plugs for closing holes in headers (25 in number)	
"	5%	studs or bolts and nuts (6 in number)	
"	2%	clamps (3 in number)	

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