

MAIN ENGINES.

- 1 Pair Connecting Rod Bushes, Lower end with Bolts.
- 1 Pair Connecting Rod Bushes, upper end with Bolts.
4. Pairs Main Bearing Studs and nuts.
- 1 Piston (No rings fitted).
- 3 Sets Piston Rings.
- 1 Cylinder Cover complete without Valves.
- 1 set Studs and nuts for Cylinder Cover.
16. Exhaust Valves with casing, springs, etc., complete.
- 4 Exhaust Valve Adjusting Screws.
- 8 Exhaust Valve Box Seating Rings.
- 8 Exhaust Valve Spindle Seating Rings.
- 2 Starting Valves with Casing, springs, etc., complete with adj.screws.
- 1 Starting Valve Spindle.
- 4 Fuel Valves with casing, springs, etc. complete.
- 8 Fuel Valve Spindles.
- 3 Fuel Valve Body Adjustable Ends (Ends only)
- 2 Cylinder Relief Valves complete.
- 1 Roller of each size, with pins.
- 2 sets Air Compressor Valves complete, with cages and springs.
- 4 sets Piston Rings for air compressor.
- 1 Safety Valve for Air Compressor
- 1 Pair Lower End Air Compressor Connecting Rod Bolts.
- 1 Complete set of Springs for one engine.
16. Additional Springs for Exhaust Valves.
- 1 set of Packing for one fuel pump.
- 5 lbs. Wains Packing.
- 3 lbs. 1/4" Palmetto Packing.
- 3 lbs. Asbestos Cord.
- 2 Sheets 1/32" , 1/16" thick Permanite Jointings 4'-0" x 4'-0".
- 2 Sheets 1/8" Asbestos Millboard 4'-0" x 4'-0".
5. Set of 3 Pipes for Piston Cooling Gear, complete with all nuts & Flanges
- ~~6 Centre Cooling Pipes for Piston Cooling Gear.~~
- ~~6 Outer Piston Cooling Pipes with Ganges brazed.~~
- ~~6 Intermediate Tubes with ported nuts brazed on & 6 Jamb Nuts.~~
- ~~2 Internal Tubes and 2 caps.~~
- ~~12 Lock Nuts for Centre Tubes.~~



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LIST OF SPARE GEAR FOR SHIP NO. 658-M

Woodite Rings for Piston Cooling Gland.  
Woodite Rings for Internal Pipes.  
Rubber Rings for Internal Pipe Caps.  
Pair Cooling Coils for H.P. Air Compr. complete with flanges.  
M.P. Cooler Tubes.  
L.P. Cooler Tubes.  
set of Expanders for Compr. Cooler Tubes.  
Length Fuel Pump Delivery Pipes.  
Length Fuel Valve Blast Air Pipe.  
Length of Delivery Pipe from Blast Air Bottle.  
Fuel Oil Pump Plungers.  
Complete set of Working Parts for 1 Fuel Pump Plunger.  
quantity of assorted Bolts and Nuts.  
Rubber Rings of each size for Main Cylr. Liners.  
Rubber Rings for Cylr. Starting Valves.  
Rubber Rings for Compr. Hood.  
~~Rubber Rings for Exhaust Valves.~~

AUXILIARY ENGINES.

~~Crankshaft for gearwheel attached.~~  
Pair Connecting Rod Lower End Bolts.  
Main Bearing Studs and Nuts.  
Sets Piston Rings.  
Fuel Valve Spindles.  
Fuel Valve with Casings complete.  
~~Fuel Valve Brass Sleeves.~~  
Exhaust Valves with casings complete.  
Exhaust Valve Spindles.  
Starting Valve with casings complete.  
Cylinder Relief Valve complete.  
Complete set of Springs, for one engine.  
Governor Springs.  
Additional Inlet & Exhaust Valve Springs.  
Fuel Pump Plungers.  
set of Valves for Fuel Pump.



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LIST OF SPARE GEAR FOR SHIP NO. 656-M

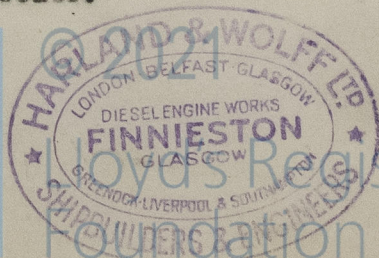
- 1 Complete set of Working Parts for one fuel pump plunger.
2. set Air Compressor Valves, complete with springs.
3. sets Piston Rings for one air compressor.
  - 1 H.P. Cooling Coil.
  - 1 L.P. Cooling Coil.
- 12 Rubber Rings for Cylinder Liner, of each size.
- 12 Rubber Rings for Compressor Hood.
- 12 Rubber Rings for Exhaust Valves.
2. Filter for Lubricating Pump.
  - 1 set Studs with nuts for 1 Cylinder Cover.

MANOEUVRING AIR COMPRESSOR.

- 1 Complete set of valves.
- 1 set Piston Rings.
- 12 L.P. Cooler Tubes.
- 12 H.P. Cooler Tubes.

AUXILIARY MACHINERY.

- 1 set Valves (Suction & Delivery) for Bilge Pump.
- 1 set of Bucket Rings for Bilge Pump.
- 1 set of Valves (Suction & Delivery) for Ballast Pump.
- 1 set of Bucket Rings for Ballast Pump.
- 1 set of Valves (Suction & Delivery) for Piston Cooling Pump.s
- 1 set of Bucket Rings for Piston Cooling Pump.
- 1 Set of Valves (Suct & Dely) for Fresh water Pump
- ~~1 set of Valves (Suction & Delivery) for Condenser Air Pump, with  
Bucket, rod and head valve seat. 1-~~
- 1/2 set of Valves (Suction & Delivery) for Boiler Feed Pump with seats.
- 1 set of Piston & Bucket Rings for Boiler Feed Pump.
- 1 Set of Bucket rings for fresh water Pump
- 1 set of Valves for Emergency Air Compressor.
- ~~1 set Piston & Bucket Rings for the Air & Circulating Pumps.~~
- 2 Spare Cartridge for Lubricating Oil & Fuel Oil Filters.
- 1 Spring for Relief Valve of Fuel Pump.
- 12 Tubes & 24 Ferrules & 12 Plugs for P.C. Water Cooler.
- ~~12 Tubes & 24 Ferrules for Condenser.~~
- 1 Evaporator Coil.





LIST OF SPARE GEAR FOR SHIP NO 658 M.

BOILER

- 1 Spring for Safety Valve
- 31 Valve for Feed Check Valve.
- 31 5 Water Gauge Glasses and 24 Packing rings.
- 31 2 Boiler Door Joints.
- 31 3 Boiler Tubes.
- 10" Firebrick Quarls(4 pieces)

SHAFTING

- Propeller Shaft, with right hand thread
- Set Tunnel Shaft Coupling Bolts and Nuts
- Propeller Blades(Manganese Bronze)1 right hand and 1 left hand.
- Set Crankshaft Coupling Bolts and Nuts
- Set Studs and Nuts for 1 Propeller Blade.
- Set of Pads for one face of each Thrust Block.

ELECTRIC

- Armature
- Sets of Brushes for Dynamo.
- Sets of Brushes for Circulating & Sanitary Pump Motor
- Set of Brushes for Bilge Pump Motor
- Sets of Brushes for Piston Cooling Pump Motor
- Sets of Brushes for Lubricating Oil Pump Motor.



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LIST OF SPARE GEAR FOR SHIP NO. 658-M

- 1 Set of Brushes for Ballast Pump Motor.
  - 1 set of Brushes for Fuel Oil Pump Motor.
  - 1 set of Brushes for Manoeuvring Air Compressor Motor.
  - 2 Sets of Brushes for Turning Gear Motor.
  - 1 set of Brushes for Lathe Motor.
  - 1 set of Brushes for Drilling Machine Motor.
  - ~~1 set of Brushes for Oil Purifier Motor.~~
  - 1 Set of Brushes for Fresh Water Pump Motor.
  - 1 " " Brushes for Fire Service " "
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