

## ENGINE SPARE GEAR.

## TRIPLE EXP. ENGINE S.S. "ROSA" &amp; "RITA".

- 1 Eccentric strap and sheave complete with bolts.
- 1 Engine guide shoe with bolts.
- 1 Section of crank shaft (1 crank)
- 1 Propeller shaft with continuous liner and nut.
- 2 White metal linings for thrust shoes.
- 2 Cast iron propellers, one right, one left handed.
- 1 Complete set of piston rings for one set. of Engines.
- 1 Piston rod for main engine with gland and nuts.
- 1 Pair top and brasses with liners.
- 1 Pair crank pin brasses with liners.
- 1 Slide valve spindle with slide block complete.
- 1 Feed pump plunger.
- 1 Bilge pump plunger.
- 1 Set of coupling bolts with nuts.
- 2 Escape valve springs for feed pump.
- 1 Set feed pump and bilge pump valves and seats.
- 1 Spring for each size escape valve on main engine.
- Boiler tubes for main boilers.
- 2% of total number of condenser tubes and ferrules for same.
- 1 Spanner for condenser ferrules.
- 1 Set of springs for boiler safety valves.
- 2 Bottom end bolts.
- 2 Top end bolts
- 2 Main Bearing bolts.
- 1 Set of metallic packing rings for 1 piston and 1 slide valve spindle.
- 2 Check valve lids.
- 12 Junk ring studs and nuts.
- 24 Dozen bolts and nuts, assorted.
- 100 Assorted studs and nuts.

SPARE GEAR FOR PUMPS.

- 1 Set of valves, guards, springs and stems to be supplied for each aux. pump on vessel, including forward ballast pump, pump-room drain pump, general service pump, ballast pump and Weir's feed pumps.

SPARE GEAR FOR CIRCULATING PUMPS.

- 1 Impeller and shaft.
- 1 Set of bottom end brasses, and bolts.
- 1 Set of top end brasses and bolts.
- 1 Piston rod with piston and springs.



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SHEET I



SPARE GEAR FOR OIL BURNING UNIT.

Set of fuel Pump valves.  
Set of fuel Pump Steam piston rings.  
Set of fuel Pump oil plunger rings.  
Delivery filter strainers complete.  
Double Suction strainers complete.  
Outer tubes for heaters.  
Inner tubes for heaters.  
Burners complete with N<sup>o</sup> 2 nozzles and type "A" Diaphragms.  
Burner nozzles N<sup>o</sup> 3.  
Burner nozzles N<sup>o</sup> 4.  
Burner nozzles N<sup>o</sup> 5.  
Burner nozzles N<sup>o</sup> 6.  
Burner nozzles N<sup>o</sup> 7.  
Type "A" Burner Diaphragms.  
Type "B" Burner Diaphragms.  
Enamelled Instructions Plate in English.  
Large thermometer.  
Starting heater tubes.  
Set (3) Prickers for starting heater lamp.  
Funnel for starting heater tank.  
Flexible hose for steaming out heaters.  
Burner jointing rings.  
Burner spanners.  
Set tools for expanding and beading heaters tubes.  
Tube expander complete with 3 spare rollers.  
Cover joints for suction filter.  
Cover joints for delivery filter.  
Set (3) joints for heaters.

SPARE FOR BABCOCK AND WILCOX BOILERS.

Inclined tubes 4".  
Inclined tubes 1 13/16".  
Return tubes 4".  
Handhole fittings complete for heaters.  
Handhole fittings complete for mud drums.  
Gauge glasses with washers.  
Gaskets for manhole doors in steam and water drums.  
Gaskets for handhole fittings.  
Safety valve springs.  
Internal valves for feed check valves, valve, liner, float, float lever, spindle, ball races and ball's for feed water regulator sufficient for one regulator.



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SHEET II