

List of Spare Gear for the machinery of the
Screw Motor Vessel "M O M B A" of Sydney N.S.W.

Burmeister & Wain's Yard No. 341

" " " Engines No. 1153.

Copenhagen Report No.

Main Diesel Oil Engines.

One cylinder cover with the cylinder liner secured on and with
all studs for fastening of valves, water jacket etc.

One cylinder cover complete with all studs for fastening of liner
valves, water jacket etc.

One set of studs and nuts for one cylinder cover.

One piston with piston rod complete secured on.

88 piston packing rings.

10 piston scraping rings.

4 scraping rings to the piston rods.

2 pair of main bearing brasses.

2 main bearing studs with nuts.

1 pair of connecting rod bottom end brasses.

2 connecting rod bottom end bolts and nuts.

1 pair of connecting rod top end brasses.

2 connecting rod top end bolts and nuts.

1 set of coupling bolts and nuts for the crank shaft.

1 set of coupling bolts and nuts for tunnel shafting.

2 air inlet valves complete ready for insertion.

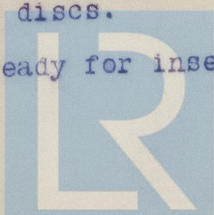
8 exhaust valves complete ready for insertion.

3 valve spindles for the exhaust valves.

9 bottom ends " " " "

12 valve faces for exhaust valve discs.

2 starting air valves complete ready for insertion.



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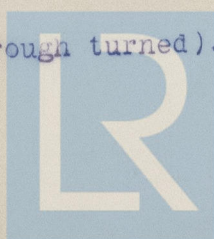
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2.

- 4 oil fuel injection valves complete ready for insertion.
- 8 valve spindles for the oil fuel injection valves.
- 10 bottom ends for the oil fuel injection valves.
- 1 roller with bolt for the air inlet valve push rods.
- 1 roller with bolt for the exhaust valve push rods.
- 1 roller with bolt for the starting valve push rod.
- 1 roller with bolt for the oil fuel injection valve push rods.
- 2 rollers with bolts for the air inlet valve levers.
- 1 roller with bolt for the exhaust valve levers.
- 1 roller with bolt for the starting valve levers.
- 1 roller with bolt for the oil fuel injection valve levers.
- 2 ball thrust screws with nuts for the air inlet valve.
- 2 ball thrust screws with nuts for the exhaust valve.
- 3 ball thrust screws with nuts for the starting valve.
- 3 ball thrust screws with nuts for the oil fuel injection valve.
- 2 telescope pipes with flanges complete.
- 2 plunger pistons for the oil fuel pumps.
- 1 shaft for the oil fuel pumps.
- 8 rockers & 2 levers for the oil fuel pumps.
- 2 suction valves complete for the oil fuel pumps.
- 2 delivery valves complete for the oil fuel pumps.
- 6 packing rings for the stuffing boxes to oil fuel pump pistons.
- 2 spindles for the overflow valves.
- 3 safety caps with guards for the oil fuel valves.
- 3 thermometer pieces for the cooling water discharge pipes.

Main Air compressor.

- 1 pair of main bearing brasses.
- 1 pair of connecting rod bottom-end brasses.
- 2 connecting rod bottom-end bolts and nuts.
- 1 pair of connecting rod top end brasses.
- 48 L.P. piston packing rings.
- 60 L.P. piston packing rings (rough turned).
- 8 L.P. piston scraping rings.



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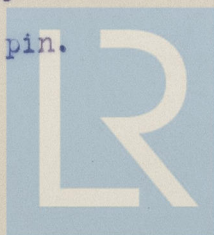
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- 40 M.P. piston packing rings.
- 30 M.P. piston packing rings (rough turned).
- 12 M.P. piston scraping rings.
- 12 M.P. piston scraping rings (rough turned).
- 80 H.P. piston packing rings.
- 78 H.P. piston packing rings (rough turned).
- 12 H.P. piston scraping rings.
- 12 H.P. piston scraping rings (rough turned).
- 9 L.P. suction valves with seats etc. complete.
- 6 L.P. delivery valves with seats etc. complete.
- 1 M.P. suction valve with seats etc. complete.
- 1 M.P. delivery valve with seats etc. complete.
- 3 H.P. suction valves with seats etc. complete.
- 3 H.P. delivery valves with seats etc. complete.
- 40 L.P. suction valve discs and springs.
- 34 L.P. & M.P. suction and delivery valve discs with springs.
- 6 H.P. suction valve discs.
- 6 H.P. delivery valve discs.
- 16 H.P. suction and delivery valve discs and springs.
- 1 copper air cooling coil with flange and union for 3rd stage compressor cylinder.
- 2 fusible plugs for the injection air receivers.
- 2 safety caps for the starting air pipes.
- 1 safety disc for the 3rd stage air compressor cylinder.

A number of springs suitable for all sizes used at the main engine and the main air compressor.

Auxiliary Diesel Oil Engines.

- 2 cylinder covers with liners and with all studs for fastening of valves, water jackets etc.
- 1 set of studs and nuts for one cylinder cover.
- 1 piston complete with crosshead pin.



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- 1 piston complete.
- 66 piston packing rings.
- 10 piston scraping rings.
- 2 pair of main bearing brasses.
- 2 main bearing studs and nuts.
- 1 pair of connecting rod bottom end brasses.
- 2 connecting rod bottom-end bolts and nuts.
- 1 connecting rod top-end brass bush.
- 4 exhaust valves complete ready for insertion.
- 2 exhaust valve discs.
- 12 exhaust valve faces.
- 4 oil fuel injection valves complete, ready for insertion.
- 7 spindles for the oil fuel injection valves.
- 6 bottom ends for the oil fuel injection valves.
- 6 steel cone ends & rings for the oil fuel injection valves.
- 8 springs for the oil fuel valves.
- 1 starting valve complete, ready for insertion.
- 1 roller with bolt for the air inlet valve gear.
- 1 roller with bolt for the exhaust valve gear.
- 1 roller with bolt for the starting valve gear.
- 1 roller with bolt for the oil fuel injection valve gear.
- 4 plunger pistons for the oil fuel pump.
- 12 packing rings for stuffing boxes to the oil fuel pump pistons.
- 2 suction valves to the oil fuel pumps.
- 2 delivery valves to the oil fuel pumps.
- 1 regulating shaft with lever to the oil fuel pumps.
- 1 rocker shaft with lever to the oil fuel pumps.

Auxiliary Air compressors.

- 12 L.P. piston packing rings.
- 2 L.P. piston scraping rings.
- 9 M.P. piston packing rings.
- 2 M.P. piston scraping rings.
- 13 H.P. piston packing rings.



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5.

2 H.P. piston scraping rings.

3 L.P. suction valves with seats etc. complete.

2 L.P. delivery valves with seats etc. complete.

1 M.P. suction valve with seats etc. complete.

1 M.P. delivery valve with seats etc. complete.

2 H.P. suction valve with seats etc. complete.

2 H.P. delivery valves with seats etc. complete.

1 copper air cooling coil with flange and union for the 3rd stage compressor cylinder.

3 fusible plugs for the injection receivers.

2 safety caps for the fuel oil valves.

A number of springs suitable for each size used at the auxiliary engines and auxiliary air compressors.

A number of assorted india rubber packing rings suitable for each size used at the main and auxiliary engines and air compressors.

Various lengths of pipes suitable for the fuel delivery and the blast pipes to cylinders, and the air delivery from the compressors to the receivers, with unions, cone-ends and flanges suitable for each size used.

A quantity of "Krupps" and "Palmetto" patent packing material.

A quantity of assorted bolts and nuts.

One suction valve disc & seat for the main engine bilge & sanitary pumps.

One delivery valve disc & seat for the main engine bilge & sanitary pumps.

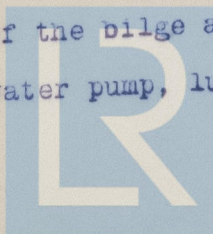
2 suction valve discs & seats for the bilge and sanitary pumps.

2 delivery valve discs & seats for the bilge and sanitary pumps.

1 ball bearing for the bilge and sanitary pumps.

1 spring to the escape valve of the bilge and sanitary pumps.

Ball bearings to the cooling water pump, lubricating oil pump



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and oil fuel transfer pump.

One Propeller shaft.

One cast iron propeller.

Donkey Boiler.

2 springs for safety valves.

1 valve disc for the feed check valves.

$\frac{1}{2}$ set of valve discs with seats* and springs for the boiler feed pump.

Atomizer for the oil fuel burner.

2 water gauge glasses.

Electro Generators and Motors.

$\frac{1}{2}$ set of brushes and $\frac{1}{4}$ set of brush holders for each of the 66 K.W. and 33 K.W. Generators.

1 set of brushes, $\frac{1}{4}$ set of brush holders and one ball bearing of each size used for the 8 H.P., 9 H.P., 15 H.P. and 20 H.P. electro motors.

A quantity of fuses, contact fingers, lamp holders and lamps for the electric installation.



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and oil fuel transfer pump.

One propeller shaft.

One cast iron propeller.

DONKEY BOILER.

5 springs for safety valves.

Feed of valve discs with safety and springs for the boiler feed valve and for the feed check valves.



List of Spare Gear for the machinery of the

Torpedo Motor Vessel "MOMBA"

of Sydney N.S.W.

Bureau of Marine Affairs No. 341.

Copenhagen Report No. 12/4.

30 H.P. and 33 K.W. generators.

1 set of pinion holders for each of the

pinions, 1 set of pinion holders and one ball bearing

of each size used for the 8 H.P., 9 H.P., 13 H.P. and

30 H.P. electric motors.

A quantity of brass contact fingers, lamp holders and lamps

for the electric installation.



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