

*Opawa*  
GLASGOW REPORT No. 51471

*Orari*  
GLASGOW REPORT No. 51250

NOS. 531 & 532.

SPARE GEAR.



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NOS. 531 & 532.

S P A R E G E A R .

FOR SHAFTING ETC.

- 4 Bronze propeller blades (2 port end 2 starboard).
- 1 Tailshaft and liner, complete.
- 12 Pads for Michell thrust blocks.
- 1 Set of intermediate-shaft coupling bolts.

FOR MAIN ENGINES.

- 2 Cylinder covers complete. ( For NO. 532 only.
- 2 " liners " { 2 Governor springs.
- 2 Pistons complete with rings, heads only. { 12 each size compressor valve springs
- 1 Piston rod, head and skirt complete, with cooling pipes.
- 54 Piston rings.
- 18 Piston cooling jets.
- 4 Scraper rings.
- 2 Spring couplings for Tachometer.
- 1 Spare spring for pump discharges.
- 6 Piston cooling pipes. Moving pipes.
- 1 Set of studs for 1 working cylinder.
- 6 Springs for cylinder relief valves.
- 2 Connecting rod top-end bearings.
- 2 " " bottom-end bearings.
- 4 " " top-end bolts and nuts.
- 4 " " bottom-end bolts and nuts.
- 1 Main crankshaft bearing.
- 4 " " " bolts and nuts.
- 1 Set crankshaft coupling bolts and nuts.
- 1 Set cam-shaft driving wheels.
- 9 Fuel valve needles and 18 springs.
- 9 " pump plungers and 9 bushes for same.
- 9 Suction and 9 discharge valves for fuel pump.
- 1 Complete fuel valve lever.
- 2 Bushes for fuel pump driving link.



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MAIN ENGINES (Contd.)

- 2 Combined fuel-valve and starting-air casings.
- 2 Pre-starting valves, complete.
- 4 Sets internal parts for fuel-injection valve.
- 4 Fuel-injection valve cams.
- 3 Starting-valve spindles and 3 valves.
- 18 Copper joint rings for main engine cylinder liners.
- 4 " " " " H.P. & L.P. compressor cylinders.
- Assorted copper joint rings for all purposes.
- 2 Rubber buffers for turning gear flexible couplings.
- P.C. packing rings for two pipes.
- Oil, air and fuel piping.
- Miscellaneous bolts, nuts etc.
- Various spare springs.
- Exhaust pipe springs and joints.

ENGINE DRIVEN MAIN COMPRESSOR.

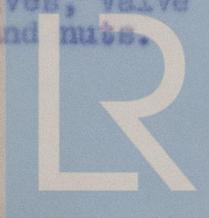
- 1 Set of piston rings for 1 compressor.
- 1 Tube element for each stage of 1 compressor.
- 1/2 Set of valves for 1 compressor.
- 2 Compressor crank-shaft bearing bolts and nuts.
- 2 Valve plates for non-return valve.
- 2 Safety plates for air compressor coolers.
- 2 Copper joint rings for H.P. compressor valves.

ENGINE DRIVEN SCAVENGE PUMP.

- 4 Piston rings for scavenge pump.
- 9 Complete valves and 12 valve plates for scavenge pump.

STEAM DRIVEN AIR COMPRESSOR (REAVELL'S)

- 1 Pair crosshead and crankpin brasses complete with bolts and nuts.
- 1 Set steam piston rings.
- 1 Set H.P. and L.P. air piston rings.
- 1 Complete set suction and delivery valves, valve seats and springs.
- 1 Eccentric strap complete with bolts and nuts.
- 1 L.P. pressure gauge.
- 1 L.P. relief valve.





ENGINE DRIVEN GENERATORS (Contd.)

- 2 Springs each kind.
- 2 Asbestos sheets.
- 1 Rubber joint of each kind per cylinder.
- 1 Set ball valves, oil pump.
- 2 Copper joints each kind.
- 1 Armature.
- 1 Set (6) compound field coils.
- 1 Set (6) interpole coils.
- 1 Set brushes.
- 1 Line brush holders.
- 1 Bearing bush.

10 K.W. TURBO GENERATOR SET ( BELLIS & MORCOM'S )

- 1 Set gland rings and springs.
- 1 Set main and emergency governor springs.
- 1 Thrust nut.
- 1 Oil strainer gauzes.
- 1 Complete spare bearing bushes for gearing.
- 1 Armature.
- 1 Set (4) field coils.
- 1 Set (4) interpole coils.
- 1 Bearing bush for generator.
- 1 Set brushes.
- 1 Line brush holders.

10 K.W. OIL COOLERS.

- 1 Tubes of Cupro Nickel.

PIERS.

- 1 Pairs rollers for footstep bearing.
- 1 Spindles " " "
- 1 Springs for footstep plunger.
- 1 Footstep plungers and pins.
- 1 Bowl joint rings.



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FOR OIL PURIFIERS (CONTD.)

- 5 Disc joint rings.
- 3 Quart oil cans.
- 1 Bowl driving tongue and pin.
- 2 Brake faces.
- 1 Armature.
- 1 Line brush holders.
- 1 Set field coils.
- 1 Set interpole coils.
- 1 Set bearings.
- 1 Set brushes.
- 1 Solenoid operating coil for starter.
- 1 Set contacts for starter.
- 1 Set springs for starter.

FOR FRESH WATER PUMPS (MUMFORD'S)

- 1 Set suction and delivery valves.
- 1 Pump bucket and rod.
- 1 Set gearing comprising worm and worm wheel rim.
- 1 Armature.
- 1 Set field coils.
- 1 Set interpole coils.
- 1 Set bearings.
- 1 Set brushes.
- 1 Line brush holders.
- 1 Multi-contact starter coil.
- 1 M.C. coil resistance unit.
- 1 Complete set of contacts and sparking tips.
- 1 Complete set of springs.
- 1 Main china unit fuse.
- 1 Pilot " " "
- 1 Set of push button contacts.



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OIL FUEL TRANSFER PUMPS (MUMFORD'S).

- 1 set suction and delivery valves.
- 1 Pump bucket and rod.
- 1 Set Gearing comprising worm and worm wheel rim.
- 1 Armature.
- 1 Set field coils.
- 1 Set interpole coils.
- 1 Set bearings.
- 1 Set brushes.
- 1 Line brush holders.

GENERAL SERVICE AND BALLAST PUMPS (MUMFORD'S)

- 1 Set suction and delivery valves.
- 1 Pump bucket and rod.
- 1 Set Gearing comprising worm and worm wheel rim.
- 1 Armature.
- 1 Set field coils.
- 1 Set interpole coils.
- 1 Set bearings.
- 1 Set brushes.
- 1 Line brush holders.

LUBRICATING OIL PUMPS (STOTHERT & PITT'S)

- 1 Complete set of bearing bushes for one unit.
- 1 " " " coupling bushes
- 1 Armature
- 1 Set (4) field coils.
- 1 Set (4) interpole coils.
- 1 Set bearings.
- 1 Set brushes.
- 1 Line brush holders.

GOESON BOILER FEED PUMPS.

- Suction and 2 discharge valve seats complete.
- Combined piston and plunger rod with nuts.

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DR JACKET AND PISTON COOLING PUMPS (DRYSDALE'S)

- 1 Pump impeller.
- 1 Pump spindle and set of packing.
- 1 Armature.
- 1 Set field coils.
- 1 Set motor bearings with thrust bearing.
- 2 Sets brushes.
- 1 Line brush holders.

DR BILGE PUMP (DRYSDALE'S).

- 1 Pump impeller.
- 1 Pump spindle and set of packing.
- 1 Set Bushes for pump.
- 1 set float gear spares with float.
- 1 Set air pump discharge valves and springs complete.
- 1 Set air pump piston rings.
- 1 Armature.
- 1 Set field coils.
- 1 Set motor bearings with thrust bearing.
- 2 Sets brushes.
- 1 Line brush holders.

DR SANITARY PUMP (DRYSDALE'S)

- 1 Pump impeller.
- 1 Pump spindle and set of packing.
- 1 Armature.
- 1 Set field coils.
- 1 Set motor bearings with thrust bearing.
- 2 Sets brushes
- 1 Line brush holders.

FEED WATER GRAVITY FILTER.

- 1 Complete set of filtering medium.

COOLING WATER GRAVITY FILTERS.

- 1 Complete set of filtering medium for one filter.



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WASTE HEAT BOILER.

- 1 Spring for safety valve.
- 1 Valve for feed check valve.
- 24 Handhole and mudhole joints.
- 12 Gauge glasses.
- 24 Rings for gauge glasses.

BOCHERAN BOILER.

- 2 Burner nozzles.
- 1 Basket for oil fuel filter.
- 1 Set spares for electric blower motor.
- 1 " " " starter.
- 3 Gauge glasses and 6 rings.
- 1 Spring for safety valve.

TURNING GEAR MOTORS.

- 1 Armature.
- 1 Set shunt coils.
- 1 Set bearing bushes.
- 2 Sets (12) carbon brushes.
- 1 Set (12) brush holders.

ENGINE ROOM VENTILATING FANS.

- 2 Sets each consisting of -
  - 1 Armature.
  - 1 Field coil.
  - 1 Bearing.
  - 1 Set brushes.
  - 1 Line brush holders.

THE "PIONEER" W.C.

- 1 White glazed Kingsware basin.
- 1 each large and small forked screw drivers for repairing valves.
- 2 Sets oiled dressed leather cups and washers for air valves.
- 1 set ditto, ditto for water supply valves.
- 2 Sets Bronze spiral springs for air and water valves.
- 2 Sets I.R. clack valve seatings.
- 3 doz. Screws assorted for renewals.



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TYPHON WHISTLES.

Diaphragm and key.

BOSCH LUBRICATORS:

1 Pump, 16 feed point.

WINCHES.

- 1 Worm shaft complete.
- 1 Worm wheel complete.
- 1 Roller thrust.
- 1 Flexible coupling.
- 1 Brake complete with shoes, pot coil and switch.
- 4 Pairs (8 halves) side frame brasses.
- 8 " (16 halves) worm case brasses.
- 4 Worm shaft brasses.
- 4 Pairs (8 halves) worm shaft bushes.
- 4 " (8 " ) oil ring brasses.
- 2 " (4 " ) Brasses for right angle brackets.
- 2 " (4 " ) " " supporting brackets.
- 2 Bushes for clutch barrel.
- 1 Bush for clutch bevel.
- 7 - 1 oz. Menno grease cups.
- 4 - 1/2 oz. " " "
- Supply of packing for glands.
- 6 Sets Ferodo.
- 3 Brake coils.
- 1 Brake release spring.
- 2 Armatures.
- 2 Sets shunt and compole coils.
- 2 Sets bearings for motors.
- 2 Lines brush holders.
- 16 Sets Carbon brushes.
- 2 Sets contactor coils.
- 2 Sets sparking tips.
- 2 Sets main, auxiliary and drum segment contacts.
- 2 Sets fingers, tips and springs.



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FINCHES (CONTD.)

Starting resistances complete.

Sets of economy resistances.

Foot brake switches.

Sets tips, springs and contacts for selector switch.

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W153-0208

GLASGOW REPORT No. 214VI

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WATER (CONT'D)

starting relationship complete,  
loss of economy relationship,  
good brain relations,  
new ideas, designs and concepts for religious art and  
good brain relations,

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