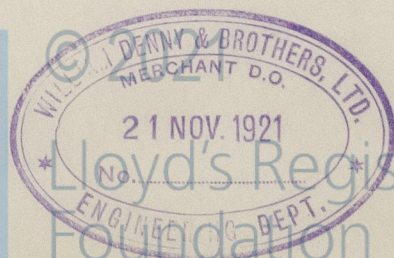


T.S. "CAMBRIA" - No. 819.

SPARE GEAR.

- 2 Gear pinion shafts, one H.P. & one L.P. Common to 819 & 820.
- 2 Propellers, with glands. (1 R.H. & 1 L.H.) " " " " "
- 1 Propeller shaft and cone nut. " " " " "
- 5 Per cent of blading material and set of tools.
- ✓ 8 Coupling bolts and nuts.
- ✓ 1 Pair of H.P. aft bearing bushes.
- ✓ 1 " " L.P. " " "
- ✓ 1 " " Forward pinion bearing bushes.
- ✓ 1 " " Centre " " "
- ✓ 1 " " Wheel spindle " "
- ✓ 2 Studs and nuts for H.P. rotor bearing.
- ✓ 2 " " " " L.P. " "
- ✓ 2 " " " " Main gear wheel bearing.
- ✓ 2 " " " " Pinion bearing.
- ✓ 4 Fitted bolts and nuts for gear case joint.
- ✓ 4 Studs and nuts " " " "
- ✓ 4 Bolts and nuts for H.P. turbine casing joint.
- ✓ 2 Studs " " " " " " "
- ✓ 4 Bolts " " " L.P. " " "
- ✓ 4 Studs " " " " " " "
- ✓ 6 Pads for main thrust block.
- ✓ 8 Half liners for main thrust block.
- ✓ 6 Pads, with pins, for H.P. turbine adjusting block.
- ✓ 6 " " " " L.P. " " "
- ✓ 4 Half liners " H.P. " " "
- ✓ 4 " " " L.P. " " "
- ✓ 4 " " " H.P. surging collar.
- ✓ Packing rings, etc., for turbine glands:-
  - 18 Carbon rings.
  - 11 Springs.
  - 11 Hooks & eyes.
  - 21 Adaptors.
- 1 Air pump bucket and rod complete.
- 1 Set air pump valves.
- ✓ 1 Set feed pump valves.





T.S. "CAMBRIA" - No. 819.

Spare Gear, Contd.

- 1 Steam valve casing, complete with valves for one feed pump.
- 1 Set of steam piston rings for one cylinder of pumping engine.
- ✓ 1 Set bilge pump valves and seats.
- 1 Set of steam piston rings for one cylinder of main feed pump.
- 2 Feed check valves.
- 10 Condenser tubes.
- 40 Condenser tube ferrules.
- 10 Tubes for auxiliary condenser.
- Cages covered to form 12 cells for filter.
- 1 Cage for oil filter (lubn.).
- 6 Safety valve springs.  $\left\{ \begin{array}{l} 5 \text{ springs for } 3\frac{1}{8}'' \text{ valves.} \\ 1 \text{ " " } 3\frac{1}{2}'' \text{ "} \end{array} \right.$
- ✓ 1 Spring for each size of escape valve. (13 in all).
- 1 Centrifugal pump spindle.

For Feed Regulator:-

- 1 Valve.
- 1 Liner.
- 1 Spindle.
- 1 Set Ball Bearings.
- 1 Float Lever.
- 1 Float.

Bars and bearers for one 28 section boiler.

Set of furnace bars sufficient for four largest boilers.

Complete set of firebricks for two boilers, with bolts, etc., for fixing.

$\frac{1}{2}$  Set of top and side liners.

Set of zinc slabs for each boiler.

5 Dead plates.

50 Nipples from mud drum to header.

50 Circulating nipples, steam drum to header.

6 Bent return tubes.

6 Straight return tubes.

6 Large inclined tubes.

2 Downcomer tubes.

50 Small inclined tubes.

100 Hand doors, with dog for each door.



Lloyd's Register  
Foundation