

Built at Odense By whom built Odense Staalskibsværft Yard No. 23
Engines made at Copenhagen By whom made Burmeister & Wain's Machine Engine No. 1240
Donkey Boilers made at Odense By whom made Marshall & Graham Boiler No. 3687

List of Spare Gear for the Machinery of
the Single Sc. Motor vessel "TOLEDO" of Tønsberg.
Odense Staalskibsværft's Yard No. 23.
Burmeister & Wain's engine No. 1240.

Cpn. Rpt. No. 326.

For the Main Engine.

- 1 cylinder cover
- 1 air inlet valve complete.
- 6 exhaust valves - " -
- 3 seats for do.
- 3 nuts for spindles.
- 3 oil fuel injection valves complete.
- 3 spindles for do.
- 3 mouth - pieces for do.
- 2 over flow - valve spindles.
- 1 starting air valve complete.
- 1 escape valve complete.
- 4 rollers with shafts for valve gear.
- 1 piston with rings.
- 12 piston packing rings.
- 3 - " - scrape -"
- 2 packing rings for piston rod.
- 2/2 crank pin brasses.
- 2 crank pin bolts w. nuts.
- 2/2 crosshead brasses.
- 2 crosshead bolts w. nuts.
- 2/2 main bearing brasses of each size.
- 2 main bearing studs w. nuts.
- 1 set bolts w. nuts for guide shoe.
- 1 set studs w. nuts for cylinder cover.
- 1 set coupling bolts for crank shaft.
- 1 " " " " tunnel shafting.

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012483-012492-002874

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Range of tensile strength Working pressure

Seamless, lap welded or riveted longitudinal joint

Material S. M. Steel

Sheet 28 1/2

Working pressure

24

2.

- 1 propeller shaft w. key and nut.
- 1 cast iron propeller.
- 1 telescope pipe w. packing for piston cooling.

For the Main Air Compressor.

- 1 set HP piston packing rings.
- 1 " Ip " " "
- 1 " LP " " "
- $\frac{1}{2}$ " HP suction valves.
- $\frac{1}{2}$ " " discharge "
- $\frac{1}{2}$ " IP " " "
- $\frac{1}{2}$ " " suction "
- $\frac{1}{2}$ " LP " " "
- $\frac{1}{2}$ " " discharge "
- 1 bilge pump suction valve .
- 1 " " discharge valve.
- 1 complete set of all springs used.
- 1 " " " " working parts of oil fuel pump.
- 1 length of each size of pipe w. cone & union for injection air.
- 1 length of each size of pipe w. " & " " fuel oil.
- 3 thermometers for cooling water.

For Auxiliary Diesel engines.

- 1 cylinder cover.
- 1 piston with packing- & scrape rings complete.
- 1 air inlet valve complete.
- 1 spindle for do.
- 1 exhaust valve complete.
- 2 spindles for do.
- 2 exhaust valve seats.
- 1 oil fuel injection valve complete.
- 1 spindle for do.
- 1 starting air valve complete.



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Engines made at *Copenhagen*

By whom made *U. F. Moller*

Donkey Boilers made at *Glasgow*

By whom made *W. & A. G. Graham*

Engine No. *1246* When

Boiler No. *3687* When

to *London*

Electric Light

3.

- 2 rollers w. shafts for valve gear.
- 1 cylinder escape valve complete.
- 1 set piston packing rings.
- 2 crank pin bolts w. nuts.
- 2 main bearing studs w. nuts.
- 2/2 main bearing brasses.
- 2/2 trunk pin - " -
- 2/2 main bearing brasses.
- 1 set studs w. nuts for one cylinder cover.
- 1 set of all moving parts for fuel oil pump.
- 1 complete set of all springs used.

For Auxiliary air compressors.

- 1 set HP piston packing rings.
- 1 " IP " " "
- 1 " LP " " "
- 2/2 crank pin brasses.
- 3 " " bolts with nuts.
- 1/2 set LP & IP suction valves.
- 3 springs for do.
- 1/2 set LP & IP discharge valves.
- 3 springs for do.
- 1/2 set HP suction valves.
- 3 springs for do.
- 1/2 set HP discharge valves.
- 3 springs for do.

For Dynamos & Electromotors.

- 2 set of coal brushes for one dynamo and one electromotor of each size.
- 1/2 set of brushholders w. springs complete for one dynamo and one of each size.



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24. seamless, lap welded or riveted longitudinal joint. riveted. Material *S. M. steel*. Range of tensile strength *28 to 36*. Working pressure by Rules *14.5*.

Engines made at Copenhagen By whom made U. F. Moller. Engine No. 1246 When
Donkey Boilers made at Glasgow By whom made Marriott & Graham. Boiler No. 3687 When

4.

For the Auxiliary Machinery.

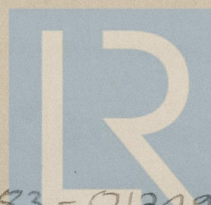
- $\frac{1}{2}$ set valves w. seats for bilge & sanitary pump.
- 1 impeller shaft for cooling water pump.
- 1 set cog wheels for lubricating oil pump.
- 1 escape valve spring of each size used.
- 1 set cog wheels w. shaft for oil fuel transfer pump.
- 1 wing and 2 guide blocks for ballast pump.
- 1 valve spindle of each size used for the air bottles.
- 2 fuel oil filters.
- 2 lubricating oil filters.

Packing material and a number of assorted bolts w. nuts.

For the Donkey Boiler.

- 1 safety valve.
- 1 safety valve spring.
- 1 feed check valve.
- 1 atomizer for the oil burner.
- $\frac{1}{2}$ set valves for the feed pump.
- 12 water gauge glasses.
- 24 packing rings for do.

Single or double
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Thickness around
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24.

seamless, lap welded or riveted longitudinal joint riveted.

Material S. M. steel.

Range of tensile strength

26 to 28
26 to 28
26 to 28

Working pressure by Rule

012483-012492

Seamless Tube, Mannesmann-Röhren-Werke,
(Walzwerk Rait)
(Sign) p. 1

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