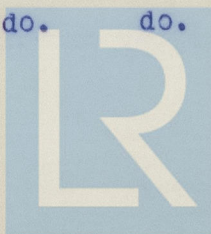


List of Spare Gear for

Auxiliary oil engines Nos. 1145, 1280 & 1281 designated "PENHOËT 5"  
constructed by Messrs. Burmeister & Wain, Copenhagen  
intended for the motor vessel Yard No. "U 5",  
being built by Messrs. Chantiers et Ateliers de Penhoët, St. Nazaire.

Auxiliary Diesel oil engines:-

- 1 pair of main bearing brasses of each design.
- 2 main bearing studs and nuts.
- 1 pair of crank pin bearing brasses.
- 2 crank pin bearing bolts and nuts.
- 1 pair of crosshead gudgeon brasses.
- 1 cylinder cover and liner with all studs for fastening of valves,  
water jackets etc.
- 1 set of studs and nuts for one cylinder cover for fastening of  
valves, water jackets etc.
- 1 trunk piston with piston rings and crosshead gudgeon pin complete.
- 12 piston rings.
- 2 piston scraping rings.
- 3 oil fuel injection valves complete with all mountings.
- 1 spindle with disc for the oil fuel injection valves.
- 2 springs for do. do.
- 2 studs with nuts for fastening do. do.
- 1 starting air valve complete with all mountings.
- 1 spring for the air inlet valves.
- 2 studs with nuts for fastening do.
- 1 air inlet valve complete with all mountings.
- 1 spindle with disc for the air inlet valves.
- 1 spring for do. do.
- 2 studs with nuts for fastening do. do.



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- 2 exhaust valves complete with all mountings.
- 2 spindles with discs for the exhaust valves.
- 2 valve seats for           do.           do.
- 2 springs for               do.           do.
- 2 studs with nuts for fastening   do.   do.
- 1 cylinder safety valve.
- 1 spring for safety valve.
- 2 studs with nuts for fastening the safety valve.
- 2 rollers for the oil fuel valve gear.
- 1 roller with bolt for the air inlet valve gear.
- 1   "       "       "   for the exhaust valve gear.
- 2 pistons for the oil fuel pump.
- 1 guide rod for       do.       do.
- 2 suction valve discs for the oil fuel pumps.
- 2   "       "   seats for       do.       do.
- 2   "       "   springs for   do.       do.
- 2 delivery valve discs for   do.       do.
- 2   "       "   spindles for do.       do.
- 2 check valve discs for       do.       do.
- 2 check valve seats for       do.       do.
- 2 check valve springs for     do.       do.
- 1 set of springs for the governor of one engine.

Auxiliary air compressors:-

- 2 main bearing studs and nuts.
- 1 crank pin bearing brass.
- 2 crank pin bearing bolts and nuts.
- 1 set of piston rings for the 1st stage piston.
- 1 set of piston rings for the 2nd stage piston.
- 1 set of piston rings for the 3rd stage piston.
- 1 set of suction valves with seats etc. for 1st and 2nd stages.
- 6 springs for the suction valves for 1st and 2nd stages.
- 1 set of delivery valves with seats etc. for the 1st and 2nd stages.



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6 springs for the delivery valves for the 1st and 2nd stages.

1 set of suction valves with seats etc. for the 3rd stage.

3 springs for the suction valves for the 3rd stage.

1 spring for the safety valve on 1st stage air pipe line.

1 spring for the safety valve on 2nd stage air pipe line.

1 spring for the safety valve on 3rd stage air pipe line.

1 spring for the safety valve on the air inlet pipe line.

1 valve spindle for each of the valves on the injection air receivers.

2 filters for the fuel oil strainer.

2 filters for the lubricating oil strainer.

1 length of pipe for the fuel oil pipe line and 2 unions for same.

1 length of pipe for the air inlet pipe line and 2 unions for same.

1 spring for the safety valves on the air inlet pipe line.

3 set of brushes, 2 brush holders and one set of isolating rings with caps for the dynamos.

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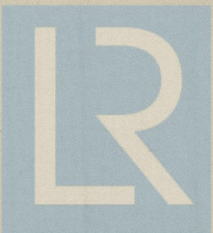
Copenhagen Report N<sup>o</sup> 7450.

List of Spare gear.

Attached to Nant's  
Report N<sup>o</sup> 1550 Dec 1927  
on 'M.S. Téméraire' N<sup>o</sup> 10.

1 valve spindle for each of the valves on the injection air  
1 spring for the safety valve on the air inlet pipe line.  
1 spring for the safety valve on 3rd stage air pipe line.  
1 spring for the safety valve on 2nd stage air pipe line.  
1 spring for the safety valve on 1st stage air pipe line.  
3 springs for the suction valves for the 3rd stage.  
4 set of suction valves with seats etc. for the 3rd stage.  
6 springs for the delivery valves for the 1st and 2nd stages.

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