

NOTE:- CORRECT LENGTHS OF BOILER TUBES TO BE TAKEN FROM FULL SIZE LAY OUT ON FLOOR.

BOILER GENERATING TUBES

THE BOILER GENERATING TUBES ARE TO BE OF THE FINEST QUALITY SOLID DRAWN STEEL, COLD FINISHED SO AS TO REMOVE ALL TRACES OF THE HOT PROCESS & LEAVE SMOOTH SURFACES INSIDE & OUTSIDE. THE TUBES ARE TO BE CAREFULLY & THOROUGHLY CLOSE ANNEALED. EVERY TUBE TO BE VERY GRADUALLY RAISED TO BRIGHT RED HEAT & SPECIAL ARRANGEMENTS TO BE MADE TO ENSURE SLOW COOLING. THE TUBES ARE TO BE STRAIGHT, SMOOTH, CYLINDRICAL, OF UNIFORM SECTIONAL THICKNESS & OF EQUAL DIAMETER THROUGHOUT. THEY ARE TO BE FREE FROM ANY SCALE, LONGITUDINAL SEAMING, GROOVING OR BLISTERING, EITHER INTERNALLY OR EXTERNALLY, & THEY ARE NOT TO BE OILED, VARNISHED OR PAINTED.

THE TUBES ARE TO PASS ALL MECHANICAL TESTS AS CALLED FOR BY LLOYD'S RULES EXCEPT THAT THE HYDRAULIC TEST PRESSURE SHOULD BE 1950 LBS PER SQ. EACH TUBE SHALL BE GALVANISED EXTERNALLY BY THE COLD PROCESS & IS TO BE CAREFULLY EXAMINED BY THE INSPECTORS FOR DEFECTS.

RIVETS
RIVETS TO BE MADE FROM MILD STEEL HAVING AN ULTIMATE TENSILE STRENGTH OF
26 TO 30 TONS/IN² WITH AN ELONGATION OF 25% ON THE BRITISH STANDARD TEST PIECE "B"

SURVEY:- TO LLOYD'S SURVEY, & TO BE TO THE ENTIRE SATISFACTION OF THE SILVER LINE'S REPRESENTATIVE.

WORKING PRESSURE = 400 LBS/IN²
DESIGNED PRESSURE = 450 LBS/IN²
TEST PRESSURE = 725 LBS/IN²

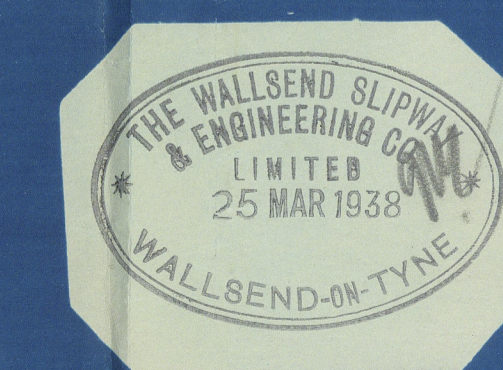
CONTRACT N^o 932.
STEAM DRUM.

SCALES:- $1\frac{1}{2}" = 1$ FOOT & AS MARKED.

TIME CHARGED TO N° 1.

33067
N^o 22642

THIS DESIGN HAS BEEN PREPARED
BY MESSRS YARROW & CO LTD FOR
USE BY THE WALLSEND SLIPWAY
& ENGINEERING CO LTD FOR THEIR
JOB N° 932, FOR THE SILVER
LINE



8/ Steam Driven

W261-0297

THE WALLSEND SLIPWAY
& ENGINEERING CO. LTD.

NEWCASTLE-ON-TYNE

3

ENGINE NO. 932

2 water Tube Boilers. 450 lbs W.P.

water & steam drum.

18

151

J. L. Thompson & Sons Ltd.

SHIP NO. 588

S.S. "Silverlaurel"

SLD 32593

S.S. "Silverlaurel"

NEWCASTLE ON TYNE.

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