

Certificate.

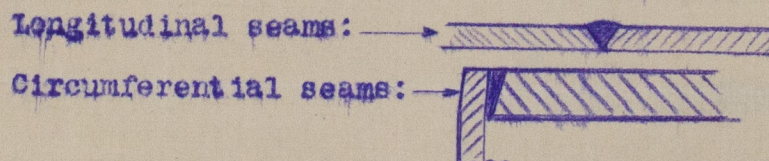
This is to certify.

that 50 air vessels, dimensions 230 m/m diam. x 1405 m/m, ordered by Messrs J. & C.G. Bolinders Mek. Verkstads Aktieförlag, as per order A <sup>14142</sup>/<sub>11014</sub> have all been manufactured of Swedish mild Siemens Martin Steel rolled from the charges N:ris D.3232 and D.3233;

that prescribed tensile tests have been carried out at the Steel Works' Prooving House on steel plates, rolled from each of the above charges with the following results: Charge N:o D.3232 tensile strength - 37,2 kg/mm<sup>2</sup>, elongation - 26,1 %; Charge N:o 3233 tensile strength - 38,1 kg/mm<sup>2</sup>, elongation - 28,2 %;

that the plate thickness of the air vessels has been gauged after the cylindrical shells been welded and annealed and found to fully correspond with the drawing N:o 1365, made by the Steel Works themselves;

that the welding has been carried out by the acetylene gas process the welded seams having the following shape:

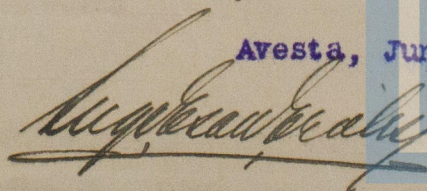
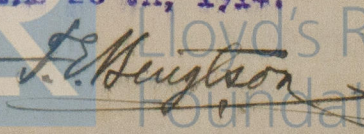


that the air vessels have, after the welding, been annealed in a furnace to a heat of 800 degrees Celsius;

that all the air vessels have afterwards been hydraulically tested to a pressure of at 36 atm.

and that each air vessel has been stamped 657/13 for indentifying.

Avesta, June the 20 th, 1914.

W872-0088

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Foundation