

Werkingsdruk	180 lb./sq"	VERWARMDE OPP.
V.O. vuren	101 sq"	93 sq"
" vlakborden	133 "	135 "
" pijpen	1056 "	942 "
" totaal	1310 sq"	1170 sq" TOTAAL VERWARMDE OPP.

Roosterlengte 5'-6"
 " oppervl: 89 sq"
 V.O. = 33
 Roosterplaten & stempstangen minimum treksterkte = 28 Ton/sq"
 Vlakborden & klinknagels enz. " " = 26 "
 Streekbontenijzer " " = 23 "
 130 stuks ijzeren vlakborden; 3 1/4" uitw: 8k D.E.S.L.G., aan één eind over 3' lengte 1/16" uitgeret.
 46 " " stempstangen; " " " 5/16" " " " 2 1/2" " op 3 1/2" "
 176 " per ketel.

schaal 1:12

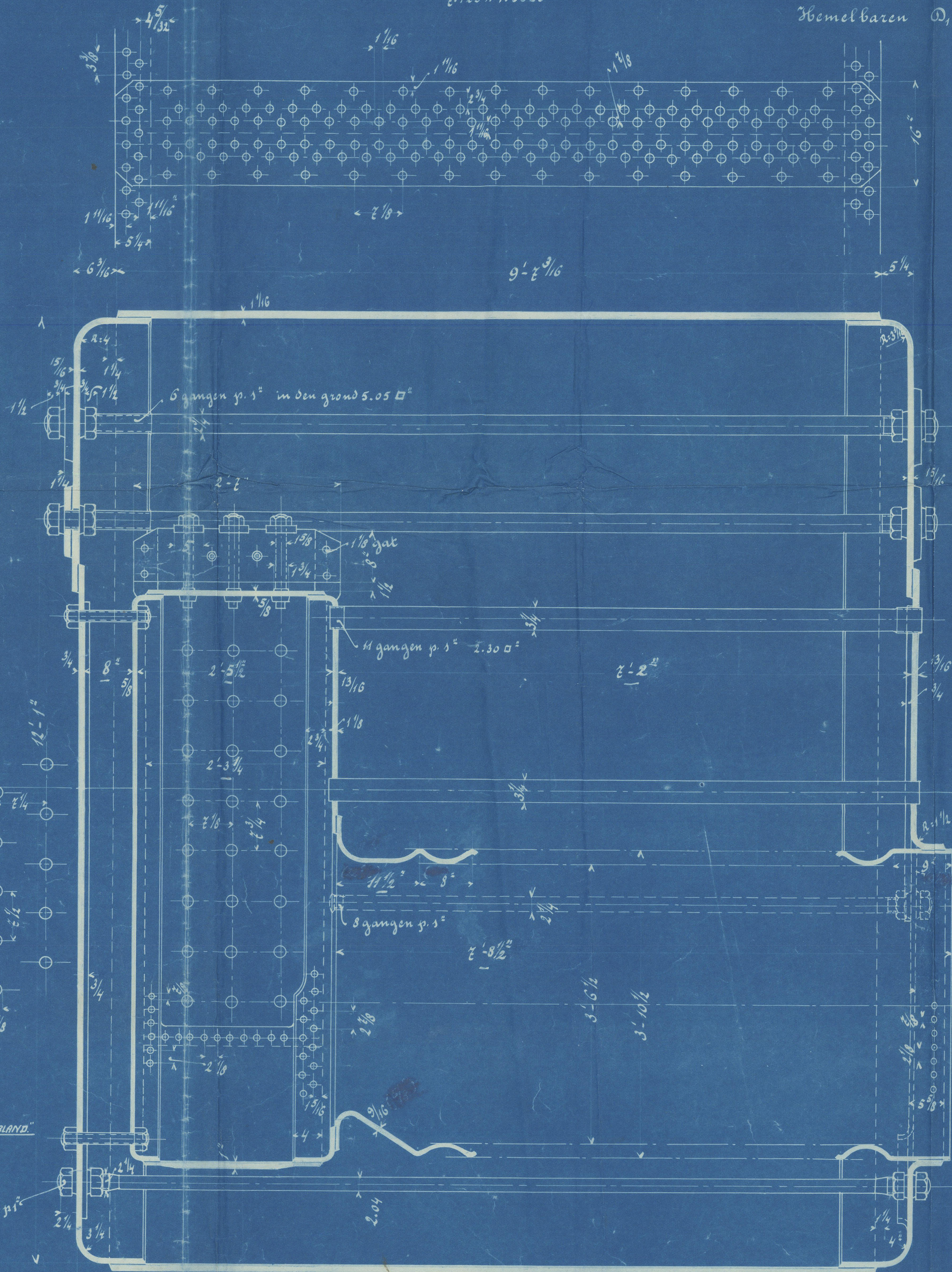
Stoomketels N° 1180-1181.

Volgens Lloyd's.

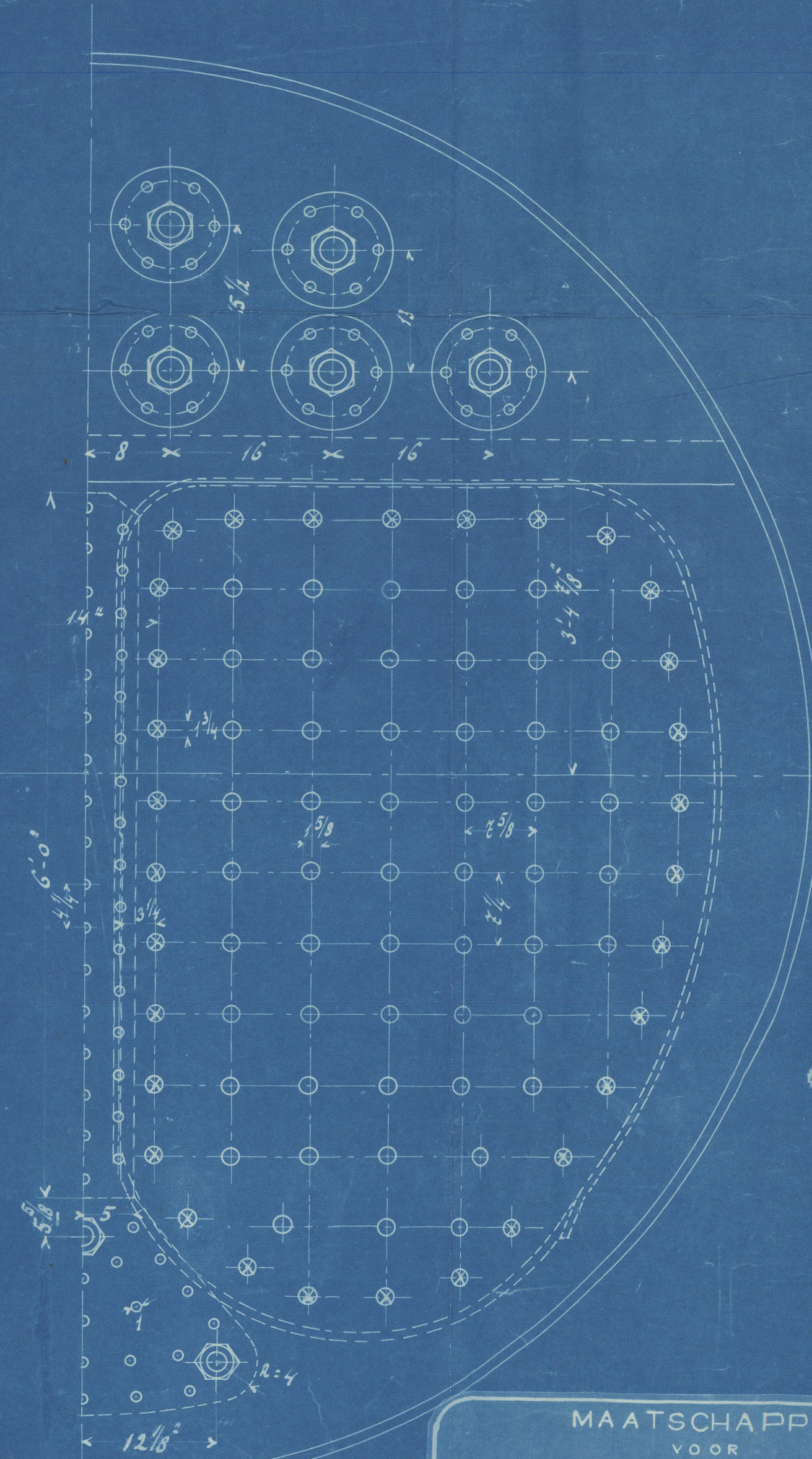
Frijsnoord Aug 1910.

S.S. "GAASTERLAND"

Percentage Blaak $\frac{2/8 - 1/16}{2/8} = \frac{5.0625}{2.125} = 23.8\%$
 " nagels $\frac{5 \times 0.392 \times 3.5 \times 1.65}{2.125 \times 1.0625} = 82.5$



Streekbonten 1 3/4" ; 11 gangen/1". moeren aan 2 zijden 2.1 sq' 1/8 grond.
 " 1 5/8" ; 11 gangen/1". aan 2 zijden geklonken. 1.788 sq' 1/8 grond.



Roosterplaten. $\frac{C \times (T-2) \times B}{O} = 180$ $T-2 = \frac{180 \times 145}{22 \times 55.02} = 13.92$ $T = 15.92$ $\frac{1}{16}$
 Natuurlijk spanning $\frac{180 \times 145}{0.85 \times 2 \times 10} = 14400$ lb/sq" $28 \text{ ton/sq} = 62600 \text{ lb/sq}$ $k = \frac{62600}{14400} = 4.35$
 Frontplaten $\frac{C \times T^2}{O^2} = 180$ $T^2 = \frac{248 \times 180}{220} = 203$ $T = 14.3$ $\frac{15}{16}$
 Frontstempen $\frac{180 \times 248}{10.000} = 4.464$ $\frac{5.05}{16}$
 Bijzenplaat $\frac{140 \times T^2}{O^2} = 180$ $T = \sqrt{\frac{180 \times 10^{1/2}}{140}} = 12.1$ $\frac{13}{16}$
 Vlakbordenplaten achterfront. $\text{steek}^2 = 2/4 \times 2/8 = 55.3$ $\frac{C \times T^2}{O^2} = 180$ $T^2 = 99.5$ $T = 9.9$ $\frac{10}{16}$
 " kop $B^2 = 2/4 \times 2/8 = 55.2$
 " zij $B^2 = 2/4 \times 2/8 = 55.5$
 Vuren $\frac{1259 (T-2)}{O} = 180$ $T-2 = \frac{180 \times 42}{1259} = 5.72$ $T = 8.72$ $9/16$
 Stempstangen. $\frac{68 \times 180}{2500} = 1.64$ 2.3 sq^2
 Streekbonten $\frac{55.3 \times 180}{6000} = 1.66$ 1.29 sq^2
 Bovenbaren $O_1^2 = \frac{3(10-B) O L}{C \cdot T} = \frac{180 \times 22 \times 1/8 \times 29 \times 2}{10660 \times 1/2} = \frac{92}{1.6} = 57.5$ $O_1 = 7.6$ $3/8$

Paul
 22.9.14
 ARSK

MAATSCHAPPIJ
 VOOR
 SCHEEPS- en WERKTUIGBOUW
 "FRIJSNOORD"
 17 9 14
 ROTTERDAM

11307

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 Foundation

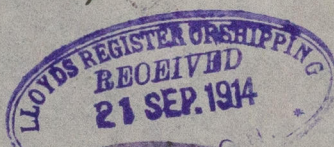
S^d "Garatulan"

Plan of mainbride

Fyenne?

Portulans

Schuyssant, Gheentolen Wy.
Roll. Rep N 9609^e



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