

Treble riveted Lap joint

Steel Rivets  $\frac{1}{4}$ , holes ~~small~~  $\frac{7}{8}$  Pitch of Rivets  $3\frac{3}{4}$  full  
Percentage of Plate 76% All holes drilled  
Do do - Rivets ~~28~~%

Heating Surfaces

Furnaces	49 ft
Back Combustion Chambers	25 =
Sides do	37.4
Back tile plate	17
106-3 1/2" x 6-3 1/2" tubes	611
Total Heating Sur.	739.4 ft
Do Grate Surface	27 ft
bars	5-2" long
furnaces	2 1/2" dia inside

Job M-35  
Scale 1" = 1 foot.

Duncan Stewart & Co  
 London Road Lion Works  
 Glasgow 3<sup>d</sup> October 1882  
 W. G. Petherick

Boiler 9'-1" Meas. diameter X 8'-6 1/2" long

Steam Pressure 80 lb

Material all mild steel

Shell Plates  $9\frac{1}{16}$ " thick

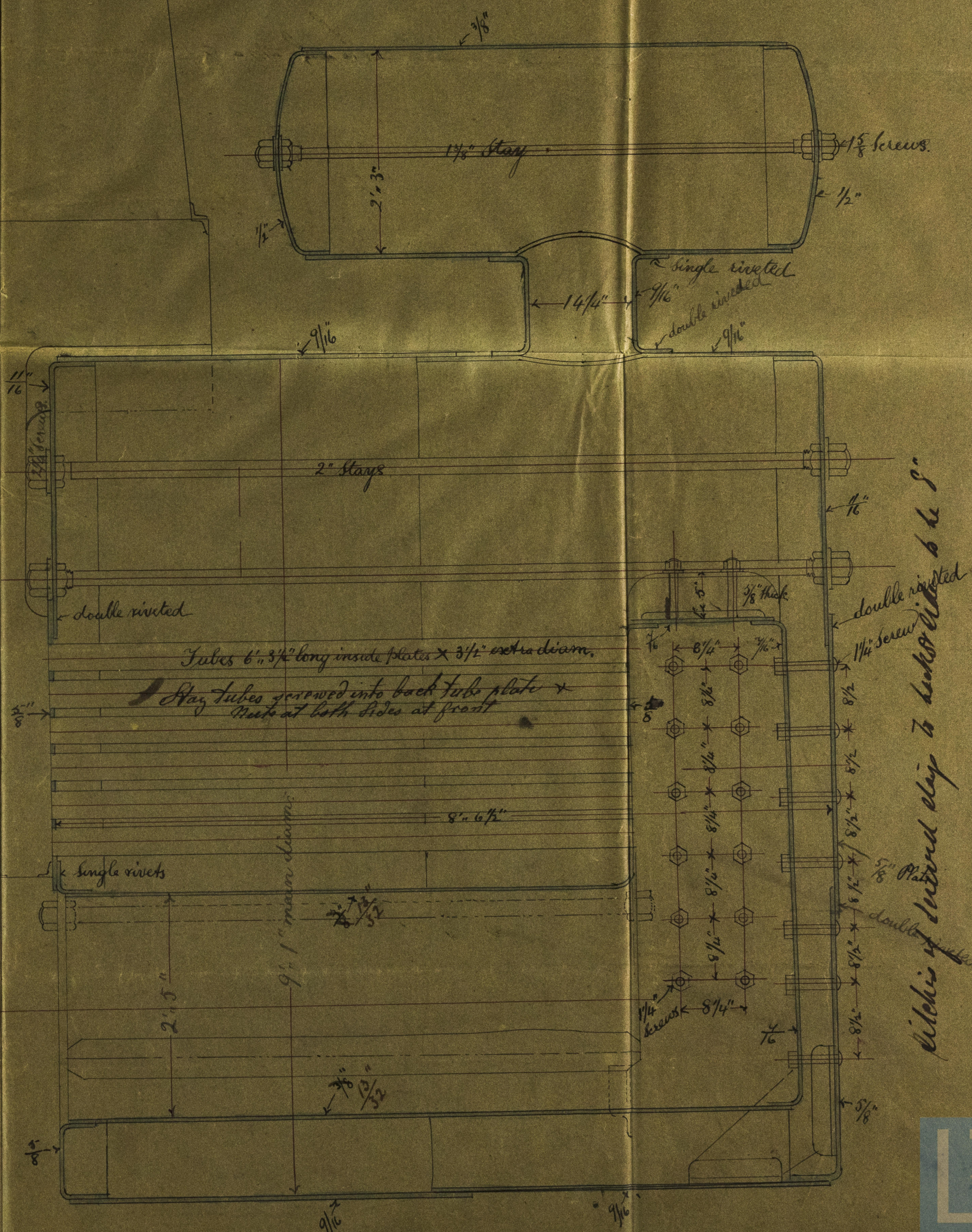
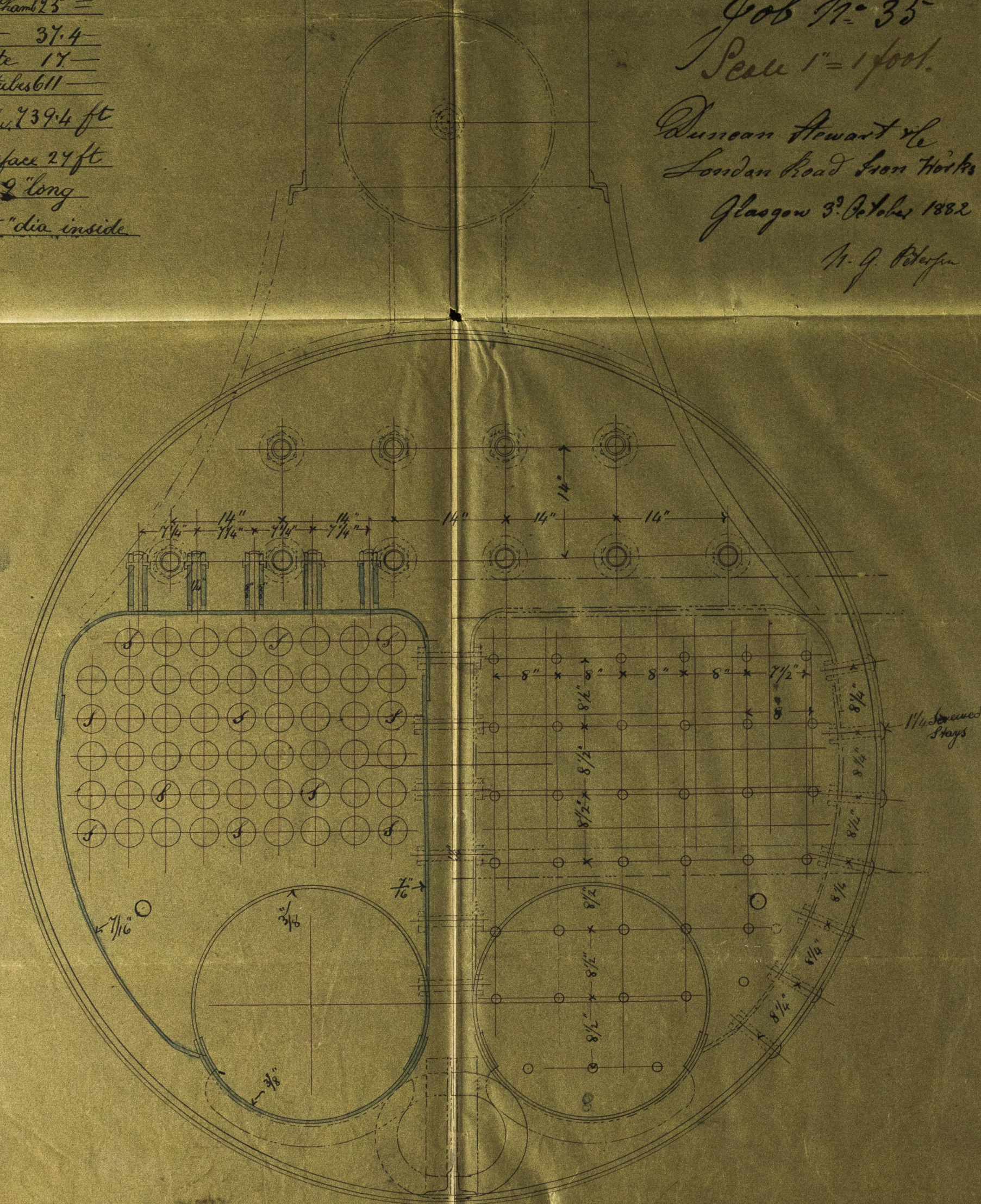
Top Ends for Steam Space  $\frac{1}{16}$ " thick

Furnace front, back & front & back plates & back end of boilers all  $\frac{5}{8}$ " thick

All Plates in Combustion Chambers  $\frac{7}{16}$ " thick

Furnaces & shell plates of Steam Receiver  $\frac{3}{8}$ " thick

Ends for Receiver  $\frac{1}{2}$ " (neck/piece for do -  $\frac{1}{8}$ " to be made of Lowmoor Iron  
or  $\frac{5}{8}$ " thick if made of Steel



Pitcher of natural clay to be raised to be 8" <sup>the rim of the</sup>

RM  
10/10/82

DD: 10/82  
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Lloyd's Register  
GRN288-0154