

Rpt. 5a.

REPORT ON BOILERS.

No. 23070

Date of writing Report

10

When handed in at Local Office

26th Oct 1910 Port of Hull

Received at London Office

SAT. 29 OCT 1910

Description of Safety

No. in Survey held at

Hull

Reg. Book.

726 on the

Steel S.S. Blackburn

Date, First Survey

Feb. 23rd

Last Survey 21st Oct 1910

(Number of Visits 62)

Gross 1634

Net 879

Master

Built at Hull

By whom built Messrs Charles C. Ltd

When built 1910

Engines made at

By whom made

Messrs

Boilers made at

Hull

By whom made

Charles C. Ltd

when made 1910

Registered Horse Power

Owners

Great Central Railway

when made 1910

Port belonging to

Grimsby

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

(Letter for record (a) ✓)

Total Heating Surface of Boilers

530 ft²

Manufacturers of Steel

John Spence & Co. Newburn

Boilers One cyl. Multi Sing. Ended

Working Pressure 100 lbs

Is forced draft fitted

No

No. and Description of

No. of Certificate 1766

Can each boiler be worked separately

Tested by hydraulic pressure to 200 lbs

Date of test 23.8.10

safety valves to each boiler

Two Spring

Area of fire grate in each boiler 26 ft²

No. and Description of

Are they fitted with easing gear

Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Pressure to which they are adjusted 100 lbs

Smallest distance between boilers or uptakes and bunkers or woodwork

15"

Int

Pressure to which they are adjusted 100 lbs

Material of shell plates

S

Thickness

5"

Range of tensile strength 28-32 tons

Mean dia. of boilers 8'-9"

Length 8'-0"

Descrip. of riveting: cir. seams

L.D.

long. seams D.B.S.D.R.

Are the shell plates welded or flanged

No

4.10.23.28.30.34.38.42.46.50.54.58.62.66.70.74.78.82.86.90.94.98.102.106.110.114.118.122.126.130.134.138.142.146.150.154.158.162.166.170.174.178.182.186.190.194.198.202.206.210.214.218.222.226.230.234.238.242.246.250.254.258.262.266.270.274.278.282.286.290.294.298.302.306.310.314.318.322.326.330.334.338.342.346.350.354.358.362.366.370.374.378.382.386.390.394.398.402.406.410.414.418.422.426.430.434.438.442.446.450.454.458.462.466.470.474.478.482.486.490.494.498.502.506.510.514.518.522.526.530.534.538.542.546.550.554.558.562.566.570.574.578.582.586.590.594.598.602.606.610.614.618.622.626.630.634.638.642.646.650.654.658.662.666.670.674.678.682.686.690.694.698.702.706.710.714.718.722.726.730.734.738.742.746.750.754.758.762.766.770.774.778.782.786.790.794.798.802.806.810.814.818.822.826.830.834.838.842.846.850.854.858.862.866.870.874.878.882.886.890.894.898.902.906.910.914.918.922.926.930.934.938.942.946.950.954.958.962.966.970.974.978.982.986.990.994.998.1002.1006.1010.1014.1018.1022.1026.1030.1034.1038.1042.1046.1050.1054.1058.1062.1066.1070.1074.1078.1082.1086.1090.1094.1098.1102.1106.1110.1114.1118.1122.1126.1130.1134.1138.1142.1146.1150.1154.1158.1162.1166.1170.1174.1178.1182.1186.1190.1194.1198.1202.1206.1210.1214.1218.1222.1226.1230.1234.1238.1242.1246.1250.1254.1258.1262.1266.1270.1274.1278.1282.1286.1290.1294.1298.1302.1306.1310.1314.1318.1322.1326.1330.1334.1338.1342.1346.1350.1354.1358.1362.1366.1370.1374.1378.1382.1386.1390.1394.1398.1402.1406.1410.1414.1418.1422.1426.1430.1434.1438.1442.1446.1450.1454.1458.1462.1466.1470.1474.1478.1482.1486.1490.1494.1498.1502.1506.1510.1514.1518.1522.1526.1530.1534.1538.1542.1546.1550.1554.1558.1562.1566.1570.1574.1578.1582.1586.1590.1594.1598.1602.1606.1610.1614.1618.1622.1626.1630.1634.1638.1642.1646.1650.1654.1658.1662.1666.1670.1674.1678.1682.1686.1690.1694.1698.1702.1706.1710.1714.1718.1722.1726.1730.1734.1738.1742.1746.1750.1754.1758.1762.1766.1770.1774.1778.1782.1786.1790.1794.1798.1802.1806.1810.1814.1818.1822.1826.1830.1834.1838.1842.1846.1850.1854.1858.1862.1866.1870.1874.1878.1882.1886.1890.1894.1898.1902.1906.1910.1914.1918.1922.1926.1930.1934.1938.1942.1946.1950.1954.1958.1962.1966.1970.1974.1978.1982.1986.1990.1994.1998.2002.2006.2010.2014.2018.2022.2026.2030.2034.2038.2042.2046.2050.2054.2058.2062.2066.2070.2074.2078.2082.2086.2090.2094.2098.2102.2106.2110.2114.2118.2122.2126.2130.2134.2138.2142.2146.2150.2154.2158.2162.2166.2170.2174.2178.2182.2186.2190.2194.2198.2202.2206.2210.2214.2218.2222.2226.2230.2234.2238.2242.2246.2250.2254.2258.2262.2266.2270.2274.2278.2282.2286.2290.2294.2298.2302.2306.2310.2314.2318.2322.2326.2330.2334.2338.2342.2346.2350.2354.2358.2362.2366.2370.2374.2378.2382.2386.2390.2394.2398.2402.2406.2410.2414.2418.2422.2426.2430.2434.2438.2442.2446.2450.2454.2458.2462.2466.2470.2474.2478.2482.2486.2490.2494.2498.2502.2506.2510.2514.2518.2522.2526.2530.2534.2538.2542.2546.2550.2554.2558.2562.2566.2570.2574.2578.2582.2586.2590.2594.2598.2602.2606.2610.2614.2618.2622.2626.2630.2634.2638.2642.2646.2650.2654.2658.2662.2666.2670.2674.2678.2682.2686.2690.2694.2698.2702.2706.2710.2714.2718.2722.2726.2730.2734.2738.2742.2746.2750.2754.2758.2762.2766.2770.2774.2778.2782.2786.2790.2794.2798.2802.2806.2810.2814.2818.2822.2826.2830.2834.2838.2842.2846.2850.2854.2858.2862.2866.2870.2874.2878.2882.2886.2890.2894.2898.2902.2906.2910.2914.2918.2922.2926.2930.2934.2938.2942.2946.2950.2954.2958.2962.2966.2970.2974.2978.2982.2986.2990.2994.2998.3002.3006.3010.3014.3018.3022.3026.3030.3034.3038.3042.3046.3050.3054.3058.3062.3066.3070.3074.3078.3082.3086.3090.3094.3098.3102.3106.3110.3114.3118.3122.3126.3130.3134.3138.3142.3146.3150.3154.3158.3162.3166.3170.3174.3178.3182.3186.3190.3194.3198.3202.3206.3210.3214.3218.3222.3226.3230.3234.3238.3242.3246.3250.3254.3258.3262.3266.3270.3274.3278.3282.3286.3290.3294.3298.3302.3306.3310.3314.3318.3322.3326.3330.3334.3338.3342.3346.3350.3354.3358.3362.3366.3370.3374.3378.3382.3386.3390.3394.3398.3402.3406.3410.3414.3418.3422.3426.3430.3434.3438.3442.3446.3450.3454.3458.3462.3466.3470.3474.3478.3482.3486.3490.3494.3498.3502.3506.3510.3514.3518.3522.3526.3530.3534.3538.3542.3546.3550.3554.3558.3562.3566.3570.3574.3578.3582.3586.3590.3594.3598.3602.3606.3610.3614.3618.3622.3626.3630.3634.3638.3642.3646.3650.3654.3658.3662.3666.3670.3674.3678.3682.3686.3690.3694.3698.3702.3706.3710.3714.3718.3722.3726.3730.3734.3738.3742.3746.3750.3754.3758.3762.3766.3770.3774.3778.3782.3786.3790.3794.3798.3802.3806.3810.3814.3818.3822.3826.3830.3834.3838.3842.3846.3850.3854.3858.3862.3866.3870.3874.3878.3882.3886.3890.3894.3898.3902.3906.3910.3914.3918.3922.3926.3930.3934.3938.3942.3946.3950.3954.3958.3962.3966.3970.3974.3978.3982.3986.3990.3994.3998.4002.4006.4010.4014.4018.4022.4026.4030.4034.4038.4042.4046.4050.4054.4058.4062.4066.4070.4074.4078.4082.4086.4090.4094.4098.4102.4106.4110.4114.4118.4122.4126.4130.4134.4138.4142.4146.4150.4154.4158.4162.4166.4170.4174.4178.4182.4186.4190.4194.4198.4202.4206.4210.4214.4218.4222.4226.4230.4234.4238.4242.4246.4250.4254.4258.4262.4266.4270.4274.4278.4282.4286.4290.4294.4298.4302.4306.4310.4314.4318.4322.4326.4330.4334.4338.4342.4346.4350.4354.4358.4362.4366.4370.4374.4378.4382.4386.4390.4394.4398.4402.4406.4410.4414.4418.4422.4426.4430.4434.4438.4442.4446.4450.4454.4458.4462.4466.4470.4474.4478.4482.4486.4490.4494.4498.4502.4506.4510.4514.4518.4522.4526.4530.4534.4538.4542.4546.4550.4554.4558.4562.4566.4570.4574.4578.4582.4586.4590.4594.4598.4602.4606.4610.4614.4618.4622.4626.4630.4634.4638.4642.4646.4650.4654.4658.4662.4666.4670.4674.4678.4682.4686.4690.4694.4698.4702.4706.4710.4714.4718.4722.4726.4730.4734.4738.4742.4746.4750.4754.4758.4762.4766.4770.4774.4778.4782.4786.4790.4794.4798.4802.4806.4810.4814.4818.4822.4826.4830.4834.4838.4842.4846.4850.4854.4858.4862.4866.4870.4874.4878.4882.4886.4890.4894.4898.4902.4906.4910.4914.4918.4922.4926.4930.4934.4938.4942.4946.4950.4954.4958.4962.4966.4970.4974.4978.4982.4986.4990.4994.4998.5002.5006.5010.5014.5018.5022.5026.5030.5034.5038.5042.5046.5050.5054.5058.5062.5066.5070.5074.5078.5082.5086.5090.5094.5098.5102.5106.5110.5114.5118.5122.5126.5130.5134.5138.5142.5146.5150.5154.5158.5162.5166.5170.5174.5178.5182.5186.5190.5194.5198.5202.5206.5210.5214.5218.5222.5226.5230.5234.5238.5242.5246.5250.5254.5258.5262.5266.5270.5274.5278.5282.5286.5290.5294.5298.5302.5306.5310.5314.5318.5322.5326.5330.5334.5338.5342.5346.5350.5354.5358.5362.5366.5370.5374.5378.5382.5386.5390.5394.5398.5402.5406.5410.5414.5418.5422.5426.5430.5434.5438.5442.5446.5450.5454.5458.5462.5466.5470.5474.5478.5482.5486.5490.5494.5498.5502.5506.5510.5514.5518.5522.5526.5530.5534.5538.5542.5546.5550.5554.5558.5562.5566.5570.5574.5578.5582.5586.5590.5594.5598.5602.5606.5610.5614.5618.5622.5626.5630.5634.5638.5642.5646.5650.5654.5658.5662.5666.5670.5674.5678.5682.5686.5690.5694.5698.5702.5706.5710.5714.5718.5722.5726.5730.5734.5738.5742.5746.5750.5754.5758.5762.5766.5770.5774.5778.5782.5786.5790.5794.5798.5802.5806.5810.5814.5818.5822.5826.5830.5834.5838.5842.5846.5850.5854.5858.5862.5866.5870.5874.5878.5882.5886.5890.5894.5898.5902.5906.5910.5914.5918.5922.5926.5930.5934.5938.5942.5946.5950.5954.5958.5962.5966.5970.5974.5978.5982.5986.5990.5994.5998.6002.6006.6010.6014.6018.6022.6026.6030.6034.6038.6042.6046.6050.6054.6058.6062.6066.6070.6074.6078.6082.6086.6090.6094.6098.6102.6106.6110.6114.6118.6122.6126.6130.6134.6138.6142.6146.6150.6154.6158.6162.6166.6170.6174.6178.6182.6186.6190.6194.6198.6202.6206.6210.6214.6218.6222.6226.6230.6234.6238.6242.6246.6250.6254.6258.6262.6266.6270.6274.6278.6282.6286.6290.6294.6298.6302.6306.6310.6314.6318.6322.6326.6330.6334.6338.6342.6346.6350.6354.6358.6362.6366.6370.6374.6378.6382.6386.6390.6394.6398.6402.6406.6410.6414.6418.6422.6426.6430.6434.6438.6442.6446.6450.6454.6458.6462.6466.6470.6474.6478.6482.6486.6490.6494.6498.6502.6506.6510.6514.6518.6522.6526.6530.6534.6538.6542.6546.6550.6554.6558.6562.6566.6570.6574.6578.6582.6586.6590.6594.6598.6602.6606.6610.6614.6618.6622.6626.6630.6634.6638.6642.6646.6650.6654.6658.6662.6666.6670.6674.6678.6682.6686.6690.6694.6698.6702.6706.6710.6714.6718.6722.6726.6730.6734.6738.6742.6746.6750.6754.6758.6762.6766.6770.6774.6778.6782.6786.6790.6794.6798.6802.6806.6810.6814.6818.6822.6826.6830.6834.6838.6842.6846.6850.6854.6858.6862.6866.6870.6874.6878.6882.6886.6890.6894.6898.6902.6906.6910.6914.6918.6922.6926.6930.6934.6938.6942.6946.6950.6954.6958.6962.6966.6970.6974.6978.6982.6986.6990.6994.6998.7002.7006.7010.7014.7018.7022.7026.7030.7034.7038.7042.7046.7050.7054.7058.7062.7066.7070.7074.7078.7082.7086.7090.7094.7098.7102.7106.7110.7114.7118.7122.7126.7130.7134.7138.7142.7146.7150.7154.7158.7162.7166.7170.7174.7178.7182.7186.7190.7194.7198.7202.7206.7210.7214.7218.7222.7226.7230.7234.7238.7242.7246.7250.7254.7258.7262.7266.7270.7274.7278.7282.7286.7290.7294.7298.7302.7306.7310.7314.7318.7322.7326.7330.7334.7338.7342.7346.7350.7354.7358.7362.7366.7370.7374.7378.7382.7386.7390.7394.7398.7402.7406.7410.7414.7418.7422.7426.7430.7434.7438.7442.7446.7450.7454.7458.7462.7466.7470.7474.7478.7482.7486.7490.7494.7498.7502.7506.7510.7514.7518.7522.7526.7530.7534.7538.7542.7546.7550.7554.7558.7562.7566.7570.7574.7578.7582.7586.7590.7594.7598.7602.7606.7610.7614.7618.7622.7626.7630.7634.7638.7642.7646.7650.7654.7658.7662.7666.7670.7674.7678.7682