

REPORT ON BOILERS.

No. 115,129

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Reg. Book _____ on the Trawler "HERMETRAY" m "Colombo" (Number of Visits one) Tons {Gross _____ Net _____}

Built at Selby By whom built Cochrane & Sons Ltd. Yard No. _____ When built 1944

Engines made at Hull By whom made Amos & Smith Ltd Engine No. _____ When made _____

Boilers made at _____ By whom made _____ Boiler No. _____ When made _____

Owners International Shipbuilders Ltd. Port belonging to _____

VERTICAL DONKEY BOILER.

Made at Darlington By whom made Spencer Hopwood & Co. Boiler No. S.B. 943 When made 1943 Where fixed ✓

Manufacturers of Steel Appleby & Hodgkiss

Total Heating Surface of Boiler 270 sq. ft. Is forced draught fitted ✓ Coal or Oil fired ✓

No. and Description of Boilers One Vertical multitubular type 22 5'-6" 10 x 10'-0" Working pressure 150 lb/p.

Tested by hydraulic pressure to 275 lb/p. Date of test 19-5-47 No. of Certificate _____

Area of Firegrate in each Boiler 18.75 sq. ft. No. and Description of safety valves to each boiler ✓

Area of each set of valves per boiler {per rule _____ as fitted _____} Pressure to which they are adjusted ✓ Are they fitted with easing gear ✓

State whether steam from main boilers can enter the donkey boiler ✓ Smallest distance between boiler or uptake and bunkers woodwork

Is oil fuel carried in the double bottom under boiler ✓ Smallest distance between base of boiler and tank top plating Is the base of the boiler insulated

Largest internal dia. of boiler 5'-6" Height 10'-0"

Shell plates: Material See "General remarks." Tensile strength _____ Thickness _____

Are the shell plates welded or flanged no. Description of riveting: circ. seams {end single bottom single inner _____} long. seams D.R. double butt lap.

Dia. of rivet holes in {circ. seams 7/8" Pitch of rivets {2.177" Percentage of strength of circ. seams {plate _____ rivets _____ of Longitudinal joint {plate _____ rivets _____ combined _____} long. seams 1/8"

Working pressure of shell by rules _____ Thickness of butt straps {outer 17/32" inner 17/32"

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Flat & flanged. Material _____

Tensile strength _____ Thickness _____ Radius _____ Working pressure by rules _____

Description of Furnace: Plain, spherical, or dished crown _____ Material _____ Tensile strength _____

Thickness _____ External diameter {top _____ bottom _____} Length as per rule _____ Working pressure by rules _____

Pitch of support stays circumferentially _____ and vertically _____ Are stays fitted with nuts or riveted over _____

Diameter of stays over thread _____ Radius of spherical or dished furnace crown _____ Working pressure by rule _____

Thickness of Ogee Ring _____ Diameter as per rule {D _____ d _____} Working pressure by rule _____

Combustion Chamber: Material M.S. Tensile strength _____ Thickness of top plate 27/32"

Is it dished 3 3/8" Working pressure by rule _____ Thickness of back plate _____ Diameter if circular base 4'-11 3/8"

Length as per rule _____ Pitch of stays none. Are stays fitted with nuts or riveted over ✓

Diameter of stays over thread ✓ Working pressure of back plate by rules _____

Tube Plates: Material {front M.S. Tensile strength { _____ Thickness { 13/16" Mean pitch of stay tubes in nests 3 3/8" back M.S.

Comprising shell, Dia. as per rule {front _____ Pitch in outer vertical rows { _____ Dia. of tube holes FRONT {stay 2 1/4" plain 2 1/4" BACK {stay 2 1/4" plain 2 1/4" back _____}

Each alternate tube in outer vertical rows a stay tube _____ Working pressure by rules {front _____ back _____}

Letters to combustion chamber tops: Material ✓ Tensile strength _____

Thickness and thickness of girder at centre _____ Length as per rule _____

Distance apart _____ No. and pitch of stays in each _____ Working pressure by rule _____



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Crown stays: Material ☒ Tensile strength _____ Diameter ☒ at body of stay, _____
 No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____

Screw stays: Material ☒ Tensile strength _____ Diameter ☒ at turned off part, _____
 Area supported by each stay _____ Working pressure by rules _____ No. of threads per inch _____

Tubes: Material *S.D. Steel* ☒ External diameter ☒ plain $2\frac{1}{4}"$ ☒ over threads $2\frac{1}{4}"$ ☒ Thickness ☒ 10 ☒ 16 ☒ 20 ☒ 24 ☒ 28 ☒ 32 ☒ 36 ☒ 40 ☒ 44 ☒ 48 ☒ 52 ☒ 56 ☒ 60 ☒ 64 ☒ 68 ☒ 72 ☒ 76 ☒ 80 ☒ 84 ☒ 88 ☒ 92 ☒ 96 ☒ 100 ☒ 104 ☒ 108 ☒ 112 ☒ 116 ☒ 120 ☒ 124 ☒ 128 ☒ 132 ☒ 136 ☒ 140 ☒ 144 ☒ 148 ☒ 152 ☒ 156 ☒ 160 ☒ 164 ☒ 168 ☒ 172 ☒ 176 ☒ 180 ☒ 184 ☒ 188 ☒ 192 ☒ 196 ☒ 200 ☒ 204 ☒ 208 ☒ 212 ☒ 216 ☒ 220 ☒ 224 ☒ 228 ☒ 232 ☒ 236 ☒ 240 ☒ 244 ☒ 248 ☒ 252 ☒ 256 ☒ 260 ☒ 264 ☒ 268 ☒ 272 ☒ 276 ☒ 280 ☒ 284 ☒ 288 ☒ 292 ☒ 296 ☒ 300 ☒ 304 ☒ 308 ☒ 312 ☒ 316 ☒ 320 ☒ 324 ☒ 328 ☒ 332 ☒ 336 ☒ 340 ☒ 344 ☒ 348 ☒ 352 ☒ 356 ☒ 360 ☒ 364 ☒ 368 ☒ 372 ☒ 376 ☒ 380 ☒ 384 ☒ 388 ☒ 392 ☒ 396 ☒ 400 ☒ 404 ☒ 408 ☒ 412 ☒ 416 ☒ 420 ☒ 424 ☒ 428 ☒ 432 ☒ 436 ☒ 440 ☒ 444 ☒ 448 ☒ 452 ☒ 456 ☒ 460 ☒ 464 ☒ 468 ☒ 472 ☒ 476 ☒ 480 ☒ 484 ☒ 488 ☒ 492 ☒ 496 ☒ 500 ☒ 504 ☒ 508 ☒ 512 ☒ 516 ☒ 520 ☒ 524 ☒ 528 ☒ 532 ☒ 536 ☒ 540 ☒ 544 ☒ 548 ☒ 552 ☒ 556 ☒ 560 ☒ 564 ☒ 568 ☒ 572 ☒ 576 ☒ 580 ☒ 584 ☒ 588 ☒ 592 ☒ 596 ☒ 600 ☒ 604 ☒ 608 ☒ 612 ☒ 616 ☒ 620 ☒ 624 ☒ 628 ☒ 632 ☒ 636 ☒ 640 ☒ 644 ☒ 648 ☒ 652 ☒ 656 ☒ 660 ☒ 664 ☒ 668 ☒ 672 ☒ 676 ☒ 680 ☒ 684 ☒ 688 ☒ 692 ☒ 696 ☒ 700 ☒ 704 ☒ 708 ☒ 712 ☒ 716 ☒ 720 ☒ 724 ☒ 728 ☒ 732 ☒ 736 ☒ 740 ☒ 744 ☒ 748 ☒ 752 ☒ 756 ☒ 760 ☒ 764 ☒ 768 ☒ 772 ☒ 776 ☒ 780 ☒ 784 ☒ 788 ☒ 792 ☒ 796 ☒ 800 ☒ 804 ☒ 808 ☒ 812 ☒ 816 ☒ 820 ☒ 824 ☒ 828 ☒ 832 ☒ 836 ☒ 840 ☒ 844 ☒ 848 ☒ 852 ☒ 856 ☒ 860 ☒ 864 ☒ 868 ☒ 872 ☒ 876 ☒ 880 ☒ 884 ☒ 888 ☒ 892 ☒ 896 ☒ 900 ☒ 904 ☒ 908 ☒ 912 ☒ 916 ☒ 920 ☒ 924 ☒ 928 ☒ 932 ☒ 936 ☒ 940 ☒ 944 ☒ 948 ☒ 952 ☒ 956 ☒ 960 ☒ 964 ☒ 968 ☒ 972 ☒ 976 ☒ 980 ☒ 984 ☒ 988 ☒ 992 ☒ 996 ☒ 1000 ☒ 1004 ☒ 1008 ☒ 1012 ☒ 1016 ☒ 1020 ☒ 1024 ☒ 1028 ☒ 1032 ☒ 1036 ☒ 1040 ☒ 1044 ☒ 1048 ☒ 1052 ☒ 1056 ☒ 1060 ☒ 1064 ☒ 1068 ☒ 1072 ☒ 1076 ☒ 1080 ☒ 1084 ☒ 1088 ☒ 1092 ☒ 1096 ☒ 1100 ☒ 1104 ☒ 1108 ☒ 1112 ☒ 1116 ☒ 1120 ☒ 1124 ☒ 1128 ☒ 1132 ☒ 1136 ☒ 1140 ☒ 1144 ☒ 1148 ☒ 1152 ☒ 1156 ☒ 1160 ☒ 1164 ☒ 1168 ☒ 1172 ☒ 1176 ☒ 1180 ☒ 1184 ☒ 1188 ☒ 1192 ☒ 1196 ☒ 1200 ☒ 1204 ☒ 1208 ☒ 1212 ☒ 1216 ☒ 1220 ☒ 1224 ☒ 1228 ☒ 1232 ☒ 1236 ☒ 1240 ☒ 1244 ☒ 1248 ☒ 1252 ☒ 1256 ☒ 1260 ☒ 1264 ☒ 1268 ☒ 1272 ☒ 1276 ☒ 1280 ☒ 1284 ☒ 1288 ☒ 1292 ☒ 1296 ☒ 1300 ☒ 1304 ☒ 1308 ☒ 1312 ☒ 1316 ☒ 1320 ☒ 1324 ☒ 1328 ☒ 1332 ☒ 1336 ☒ 1340 ☒ 1344 ☒ 1348 ☒ 1352 ☒ 1356 ☒ 1360 ☒ 1364 ☒ 1368 ☒ 1372 ☒ 1376 ☒ 1380 ☒ 1384 ☒ 1388 ☒ 1392 ☒ 1396 ☒ 1400 ☒ 1404 ☒ 1408 ☒ 1412 ☒ 1416 ☒ 1420 ☒ 1424 ☒ 1428 ☒ 1432 ☒ 1436 ☒ 1440 ☒ 1444 ☒ 1448 ☒ 1452 ☒ 1456 ☒ 1460 ☒ 1464 ☒ 1468 ☒ 1472 ☒ 1476 ☒ 1480 ☒ 1484 ☒ 1488 ☒ 1492 ☒ 1496 ☒ 1500 ☒ 1504 ☒ 1508 ☒ 1512 ☒ 1516 ☒ 1520 ☒ 1524 ☒ 1528 ☒ 1532 ☒ 1536 ☒ 1540 ☒ 1544 ☒ 1548 ☒ 1552 ☒ 1556 ☒ 1560 ☒ 1564 ☒ 1568 ☒ 1572 ☒ 1576 ☒ 1580 ☒ 1584 ☒ 1588 ☒ 1592 ☒ 1596 ☒ 1600 ☒ 1604 ☒ 1608 ☒ 1612 ☒ 1616 ☒ 1620 ☒ 1624 ☒ 1628 ☒ 1632 ☒ 1636 ☒ 1640 ☒ 1644 ☒ 1648 ☒ 1652 ☒ 1656 ☒ 1660 ☒ 1664 ☒ 1668 ☒ 1672 ☒ 1676 ☒ 1680 ☒ 1684 ☒ 1688 ☒ 1692 ☒ 1696 ☒ 1700 ☒ 1704 ☒ 1708 ☒ 1712 ☒ 1716 ☒ 1720 ☒ 1724 ☒ 1728 ☒ 1732 ☒ 1736 ☒ 1740 ☒ 1744 ☒ 1748 ☒ 1752 ☒ 1756 ☒ 1760 ☒ 1764 ☒ 1768 ☒ 1772 ☒ 1776 ☒ 1780 ☒ 1784 ☒ 1788 ☒ 1792 ☒ 1796 ☒ 1800 ☒ 1804 ☒ 1808 ☒ 1812 ☒ 1816 ☒ 1820 ☒ 1824 ☒ 1828 ☒ 1832 ☒ 1836 ☒ 1840 ☒ 1844 ☒ 1848 ☒ 1852 ☒ 1856 ☒ 1860 ☒ 1864 ☒ 1868 ☒ 1872 ☒ 1876 ☒ 1880 ☒ 1884 ☒ 1888 ☒ 1892 ☒ 1896 ☒ 1900 ☒ 1904 ☒ 1908 ☒ 1912 ☒ 1916 ☒ 1920 ☒ 1924 ☒ 1928 ☒ 1932 ☒ 1936 ☒ 1940 ☒ 1944 ☒ 1948 ☒ 1952 ☒ 1956 ☒ 1960 ☒ 1964 ☒ 1968 ☒ 1972 ☒ 1976 ☒ 1980 ☒ 1984 ☒ 1988 ☒ 1992 ☒ 1996 ☒ 2000 ☒ 2004 ☒ 2008 ☒ 2012 ☒ 2016 ☒ 2020 ☒ 2024 ☒ 2028 ☒ 2032 ☒ 2036 ☒ 2040 ☒ 2044 ☒ 2048 ☒ 2052 ☒ 2056 ☒ 2060 ☒ 2064 ☒ 2068 ☒ 2072 ☒ 2076 ☒ 2080 ☒ 2084 ☒ 2088 ☒ 2092 ☒ 2096 ☒ 2100 ☒ 2104 ☒ 2108 ☒ 2112 ☒ 2116 ☒ 2120 ☒ 2124 ☒ 2128 ☒ 2132 ☒ 2136 ☒ 2140 ☒ 2144 ☒ 2148 ☒ 2152 ☒ 2156 ☒ 2160 ☒ 2164 ☒ 2168 ☒ 2172 ☒ 2176 ☒ 2180 ☒ 2184 ☒ 2188 ☒ 2192 ☒ 2196 ☒ 2200 ☒ 2204 ☒ 2208 ☒ 2212 ☒ 2216 ☒ 2220 ☒ 2224 ☒ 2228 ☒ 2232 ☒ 2236 ☒ 2240 ☒ 2244 ☒ 2248 ☒ 2252 ☒ 2256 ☒ 2260 ☒ 2264 ☒ 2268 ☒ 2272 ☒ 2276 ☒ 2280 ☒ 2284 ☒ 2288 ☒ 2292 ☒ 2296 ☒ 2300 ☒ 2304 ☒ 2308 ☒ 2312 ☒ 2316 ☒ 2320 ☒ 2324 ☒ 2328 ☒ 2332 ☒ 2336 ☒ 2340 ☒ 2344 ☒ 2348 ☒ 2352 ☒ 2356 ☒ 2360 ☒ 2364 ☒ 2368 ☒ 2372 ☒ 2376 ☒ 2380 ☒ 2384 ☒ 2388 ☒ 2392 ☒ 2396 ☒ 2400 ☒ 2404 ☒ 2408 ☒ 2412 ☒ 2416 ☒ 2420 ☒ 2424 ☒ 2428 ☒ 2432 ☒ 2436 ☒ 2440 ☒ 2444 ☒ 2448 ☒ 2452 ☒ 2456 ☒ 2460 ☒ 2464 ☒ 2468 ☒ 2472 ☒ 2476 ☒ 2480 ☒ 2484 ☒ 2488 ☒ 2492 ☒ 2496 ☒ 2500 ☒ 2504 ☒ 2508 ☒ 2512 ☒ 2516 ☒ 2520 ☒ 2524 ☒ 2528 ☒ 2532 ☒ 2536 ☒ 2540 ☒ 2544 ☒ 2548 ☒ 2552 ☒ 2556 ☒ 2560 ☒ 2564 ☒ 2568 ☒ 2572 ☒ 2576 ☒ 2580 ☒ 2584 ☒ 2588 ☒ 2592 ☒ 2596 ☒ 2600 ☒ 2604 ☒ 2608 ☒ 2612 ☒ 2616 ☒ 2620 ☒ 2624 ☒ 2628 ☒ 2632 ☒ 2636 ☒ 2640 ☒ 2644 ☒ 2648 ☒ 2652 ☒ 2656 ☒ 2660 ☒ 2664 ☒ 2668 ☒ 2672 ☒ 2676 ☒ 2680 ☒ 2684 ☒ 2688 ☒ 2692 ☒ 2696 ☒ 2700 ☒ 2704 ☒ 2708 ☒ 2712 ☒ 2716 ☒ 2720 ☒ 2724 ☒ 2728 ☒ 2732 ☒ 2736 ☒ 2740 ☒ 2744 ☒ 2748 ☒ 2752 ☒ 2756 ☒ 2760 ☒ 2764 ☒ $$