

No. 5545

Received at London Office

TUE. MAY. 21. 1918

Day held at Copmanhay Date, First Sunday (Number of Visits 17.) (Gross 3767. 52)

Steel Twin Sc. 3 ms. 1-54. Q. 1000 (25. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853.

rundberg. Built at Copenhagen. By whom built Hilfmann. When made 1917-18.

Port belonging to Stockholm.

No One

Description Vertical cross tube

Plates: - { avesta Jernverkets aktieföretag, Avesta, Sweden.  
 Jernabbanens Bruks aktieföretag, Jernabbanen " "  
 Manufacturers of steel Uppåtkä & gallerstuber: - Avesta Jernverks  
 fäb, Avesta. Plates: - Mohla Stukstads Jern aktieföretag, Mohla. Swedish Rings  
 are fixed by the engine room Working pressure 1000 lbs.

By whom made Akt. Burmeister & Wain When made 1917-18 Where fixed in the engine room Working pressure 100 lbs.

Pressure to 200 lbs. Date of test 31<sup>st</sup> Jan 1918 No. of Certificate 397 Fire grate area 12.5 sq ft Description of safety valves Spiral spring loaded  
(Carl Helmberg's patent).

es. 2 off Area of each  $2.4 \square$  Pressure to which they are adjusted 100 lbs. If fitted with easing gear yes If steam from main boilers can

oil boiler fitted Dia. of donkey boiler 4' 6 5/16" Length = 10' 6" Material of shell plates S.M. Steel Thickness = 25/64" Range of tensile 62 7/8 = 2 7/16"

Descrip. of riveting long. seams Lap joint double riveted Dia. of rivet holes 19 1/2 = 3 1/4 Whether punched or drilled drilled Pitch of rivets 2 7/16  
22 1/4 =

Rivets 78.1  
 Plates 69.3  
 Working pressure of shell by rules  $\frac{112.5 \text{ lbs.}}{1500 \text{ m/m} = 1208 \text{ m/m} = \text{Height}}$   
 Thickness of shell crown plates  $\frac{55.64}{160.5 \text{ m/m} =}$

2432 Per centage of strength of joints Plates 61.5  
 in No. of Stays to do. 4 off Dia. of stays 2" Diameter of furnace Top 3' 3 3/8" Bottom 3' 11 1/4" Length of furnace 5' 3 1/16"

No. of Stays to do. 11  
 Description of joint Lap joint double riveted  
 Working pressure of furnace by rules 102 lbs.  
 Thickness of furnace crown 1 1/2" = 15/16"

340  $\frac{4}{16} = \frac{1}{4}$  ✓  
 Radius of dp. *plain* ✓ Stayed by  $\frac{4}{16}$  stays & the uptake tube Diameter of uptake  $13 \frac{25}{16} 4"$  ✓ Thickness of uptake plates  $12 \frac{7}{16} = \frac{1}{32}$  ✓

radius  $10 \text{ m/m} = 25764'' \checkmark$

The foregoing is a correct description,

AKTIESEL SKABET  
Manufacturer.

no progress of 4, 13, 27 Decr. 1917 4, 8, 11, 15, 21, 30 & 31 January 1918.

47, 16 Febr. 516 March, 24 April, 7 May 1918.

17. Is the approval

No. of visits.....17.

Is the approved plan of boiler forwarded herewith A duplicate of the plan was forwarded on the 25<sup>th</sup> May 1919 together with Rpt. No. 5865 on the 1<sup>st</sup> Valparaiso.

## REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

REMARKS (State quality of workmanship, opinions as to class, etc.)  
 ter has been built under Special Survey in accordance with the requirements of the Rules, the  
 plan and the letter E dated the 29<sup>th</sup> June 1917.

workmanship and material are of good description and quality in every respect. Material used in the construction of the boiler has been tested as required by, or as per letter S dated the 11<sup>th</sup> February 1915, as per certificates produced.

Worthington feed pump steam cyl. 90  $\frac{1}{4}$  in water cyl. 60  $\frac{1}{4}$  in. and stroke 90  $\frac{1}{4}$  in. is fitted to the boiler, together with a feed injector.

is noted on the Machinery report.

When applied for, .....	19.....
When received, .....	19.....

*A. F. Debusch. W. Hüchler.*  
Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

## Committee's Minute

FRI. MAY. 24 1918

*igned*

Lloyd's Register  
Foundation

W101-0074