

# IRON SHIP.

No. 4341 Survey held at Dunbarton Date, First Survey 22<sup>nd</sup> June Last Survey 10<sup>th</sup> Novr 1876

On the Bk North Carolina Master A Buchan

TONNAGE under Tonnage Deck 475.20

Ditto of Third, Span, or Running Deck 70.73

Ditto of Poop, or Raised Or. Dk. 13.07

Ditto of Houses on Deck 569.20

Ditto of Forecastle 16.63

Gross Tonnage 553.18

Less Crew Space 16.63

Less Engine Room

Register Tonnage as out on Beam 553.18

ONE, OR TWO DECKED, THREE DECKED VESSEL.

SPAR, OR AWNING DECKED VESSEL.

HALF BREADTH (moulded) 14.5

DEPTH from upper part of Keel to top of Upper Deck Beams 16.62

GIRTH of Half Midship Frame (as per Rule) 27.3

1st NUMBER 58.62

1st NUMBER, if a THREE DECKED VESSEL 9086

LENGTH 135

2nd NUMBER 9086

PROPORTIONS—Breadth to Length 3.34

Depths to Length—Upper Deck to Keel 9.3

Main Deck ditto

Built at Dunbarton

When built 1876 Launched 23<sup>rd</sup> Octr

By whom built A McMillan & Son

Owners Patton Vickers

Port belonging to Liverpool

Destined Voyage Dumb

Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule 135 BREADTH Moulded 29 DEPTH top of Floors to Upper Deck Beams 15.2 Power of Engines 2 No. of Decks with flat laid 2 No. of Tiers of Beams 2

Dimensions of Ship per Register, length, 163.1 breadth 29.2 depth, 14.9

KEEL, depth and thickness 4 1/2 x 2 1/2  
STEM, moulding and thickness 6 1/2 x 2 1/2  
STERN-POST for Rudder do. do. 6 1/2 x 2 1/2  
Distance of Frames from moulding edge to } 22  
moulding edge, all fore and aft

FRAMES, Angle Iron, for 1/2 length amidships 3 1/2 x 3  
Do. for 1/4 at each end 3 1/2 x 3  
REVERSED FRAMES, Angle Iron 3 1/2 x 3  
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 17  
thickness at the ends of vessel 17  
depth at 3/4 the half-bdth. as per Rule 17  
height extended at the Bilges 17

BEAMS, Upper, Spar, or Awning Deck 7  
Single or double Angle Iron, Plate or Tee Bulb Iron 7  
Single or double Angle Iron on Upper edge 7  
Average space 44  
BEAMS, Main, or Middle Deck 7  
Single or double Angle Iron, Plate or Tee Bulb Iron 7  
Single or double Angle Iron on Upper edge 7  
Average space 44  
BEAMS, Lower Deck, Hold, or Orlop 7  
Single or double Angle Iron, Plate or Tee Bulb Iron 7  
Single or double Angle Iron on Upper edge 7  
Average space 44

KEELSONS Centre line, single or double plate, 14  
Rider Plate 9 1/2  
Bulb Plate to Intercoastal Keelson 9 1/2  
Angle Irons 4 3 6  
Double Angle Iron Side Keelson 4 3 6  
Side Intercoastal Plate 4 3 6  
Attached to outside plating with angle iron 4 3 6

BILGE Angle Irons 4 3 6  
do. Bulb Iron 4 3 6  
do. Intercoastal plates riveted to plating for length 4 3 6  
BILGE STRINGER Angle Irons 4 3 6  
Intercoastal plates riveted to plating for length 4 3 6  
SIDE STRINGER Angle Irons 4 3 6

Transoms, material. Knight-heads. Hawse Timbers. Iron castings  
Windlass Patent Pall Bitt Patent

The FRAMES extend in one length from Keel to Deck Stringer Riveted through plates with 3/4 in. Rivets, about 6 apart.

The REVERSED ANGLE IRONS on floors and frames extend from middle line to above lower deck stringer and to upper deck stringer alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes

PLATING. Garboard, double riveted to Keel, with rivets 1 in. diameter, averaging 5 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 3 1/2 ins. from centre to centre.

Butts of 2 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 16 thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 1/2

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Part treble, the rest double

Waterway, how secured to Beams Gutter waterway (Explain by Sketch, if necessary.)  
Beams of the various Decks, how secured to the sides? Angled bracket knees No. of Breasthooks, 4 Crutches, 3  
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Coats Sherrie  
Manufacturer's name or trade mark, Coats Sherrie  
The above is a correct description.  
Builder's Signature, Archd. McMillan & Son Surveyor's Signature, James Tindley  
Surveyor to Lloyd's Register of British and Foreign Shipping.



Do any rivets break into or through the seams or butts of the plating? *A few at corners of butts*

Greifmain Insurgard, 62' x 15". 2 plates in section hutto lapped and treble riveted edges single riveted

**Hatches,** If strong and efficient?

Character assigned

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

Outside *Paint*

This record appears  
 to be the duplicate of the  
 claimed 100% as  
 recommended  
 Lloyd's Reg  
 Foundation  
 10/10/26