

Transactions
of the
(Royal) Institution
of
Naval Architects

Inhaltsverzeichnis
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(150 Bände)

zusammengestellt von
Peter Kreuzer
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20. DESCRIPTION OF AN INSTRUMENT FOR AUTOMATICALLY RECORDING THE ROLLING OF SHIPS
21. ON BOAT LOWERING AND DISENGAGING APPARATUS
22. ON LOWERING AND DISENGAGING SHIPS' BOATS
23. ON A PYROLETOR OR FIRE DESTROYER
24. ON A PROPOSED TORPEDO CATCHER

1. ON SOME RECENT DESIGNS FOR SHIPS OF WAR FOR THE BRITISH NAVY, ARMoured AND UNARMoured
2. ON HIGH-SPEED CHANNEL STEAMERS
3. ON EXPERIMENTS WITH H.M.S. "GREYHOUND"
4. ON THE STRENGTH OF IRON SHIPS
5. ON THE BULKHEADS OF THE "LOCHEARN"
6. ON THE SCREW RUDDER
7. ON FREEBOARD
8. ON THE LOAD-DRAUGHT OF STEAMERS, PART II
9. ON USEFUL DISPLACEMENT AS LIMITED BY WEIGHT OF STRUCTURE AND OF PROPULSIVE POWER
10. ON THREE-THROW CRANK ENGINES OF THE COMPOUND SYSTEM - H.M.S. "BOADICEA" AND "BACCHANTE"
11. ON THE "STROPHOMETER OR SPEED INDICATOR"
12. ON SCREW PROPULSION AND SCREW SHIPS
13. ON A NEW FORM OF STEAM ENGINE
14. ON CLEARANCE AND COMPRESSION IN STEAM CYLINDERS
15. ON THE EFFECT OF IMMERSION ON SCREW PROPELLERS
16. ON SOME EXPERIMENTS TO PROVE THE CONTINUOUS OSCILLATION OF A SHIP IN AN OCEAN VOYAGE
17. ON THE ARK SALOON OR UTILIZATION OF DECK-HOUSES FOR SAVING LIFE IN SHIPWRECKS
18. ON A STEAM LIFEBOAT
19. DESCRIPTION OF A NEW COURSE CORRECTOR CALLED THE "UNIVERSAL DROMOSCOPE"

1875 – Band 16

1. ON IMPERIAL LEGISLATION AS IT AFFECTS NAVAL CONSTRUCTION AND THE ENGLISH MERCHANT NAVY
2. ON THE LOAD-DRAUGHT OF STEAMERS AND SAILING VESSELS
3. ON A MODE OF OBTAINING THE OUTLINES OF SEA WAVES IN DEEP WATER
4. ON THE GRAPHIC INTEGRATION ON THE EQUATION OF A SHIP'S ROLLING INCLUDING THE EFFECT OF RESISTANCE

5. ON A METHOD OF OBTAINING MOTIVE POWER FROM WAVE MOTION
6. ON POLAR DIAGRAMS OF STABILITY
7. ON A MODULUS FOR STRENGTH OF SHIPS
8. ON COMPOUND ENGINES
9. ON THE DUTIES, QUALITIES AND STRUCTURE OF THE MODERN MAN-OF-WAR
10. ON THE REQUISITES OF NEW NAVAL GUNS AND GUN CARRIAGES
11. ON IRON AND STEEL FOR SHIPBUILDING
12. ON SPAR TORPEDO WARFARE
13. ON A NEW BINNACLE INDICATOR
14. ON THE RIGGING OF SHIPS
15. ON A NEW RIG FOR SHIPS
16. ON THE RELATIONS EXISTING BETWEEN SHIPBUILDERS, SHIPOWNERS AND SHIP INSURERS
17. ON THE STRAINS AND STRENGTHS OF SHIPS
18. ON THE "BESSEMER" STEAM SHIP
19. ON HYDRAULIC GEAR FOR WATER-TIGHT DOORS
20. ON AN APPARATUS FOR CLEARING BILGE PUMPS
21. ON A NEW CENTRE-BOARD YACHT
22. ON A NEW BASE FOR THE FORM OF VESSELS
23. ON SELF-ACTING SAFETY CLEATS FOR HOLDING THE SHEETS IN SAILING BOATS

1876 – Band 17

1. ON SHIPS OF WAR
2. ON UNARMoured VESSELS
3. ON CIRCULAR IRON-CLADS
4. ON A PROPOSED CELLULAR SYSTEM OF BUILDING FOR SHIPS OF WAR
5. ON CERTAIN AUSTRIAN IRON-CLADS
6. ON TESTED IRON AND SHIPS
7. ON DOUBLE AND TRIPLE CYLINDRICAL VESSELS
8. ON PUMPING AND VENTILATING ARRANGEMENTS

9. ON THE PRESENT SYSTEM OF SEACOCKS AND THEIR CONNECTIONS IN STEAMERS
10. ON THE UNEQUAL ONWARD MOTION IN THE UPPER AND LOWER CURRENTS IN THE WAKE OF A SHIP AND THE EFFECTS OF THIS UNEQUAL MOTION ON THE ACTION OF THE SCREW-PROPELLER
11. ON STEEL FOR SHIPBUILDING AS SUPPLIED TO THE ROYAL NAVY
12. ON THE NICOLAIEFF FLOATING AND DEPOSITING DOCK
13. ON THE RATIO OF INDICATED TO EFFECTIVE HORSE-POWER AS ELUCIDATED BY MR. DENNY'S M.M. TRIALS AT VARIED SPEEDS
14. ON THE COMPARATIVE RESISTANCES OF LONG SHIPS OF SEVERAL TYPES
15. ON RECOVERING SUNKEN AND STRANDED VESSELS
16. ON THE TELEGRAPH CABLE SHIP "FARADAY"
17. ON THREE-THROW CRANK ENGINES OF THE COMPOUND SYSTEM CONSTRUCTED BY RAVENHILL, EASTONS & CO., LONDON, FOR H.M.S. "ROVER"
18. ON SOME PERFORMANCES OF THE SCREW-PROPELLER AND CERTAIN PROPOSED SCHEMES FOR INCREASING ITS EFFICIENCY AND REDUCING ITS STRAINING EFFECTS UPON THE HULLS OF SHIPS
19. ON THE PROPULSION OF BODIES THROUGH WATER
20. ON WATER-TUBE BOILERS
21. ON SOME TRIALS OF SIMPLE AND COMPOUND ENGINES
22. ON THE LONGITUDINAL GIRDER OR BULKHEAD SYSTEM OF IRON SHIP CONSTRUCTION
23. ON A SMALL COMPOUND STEAM ENGINE
24. ON BOATS' DAVITS
25. ON THE COMPOUND SURFACE CONDENSING ENGINES OF THE PADDLE STEAMER "HIRONDELLE"
26. ON YACHT MEASUREMENT
27. ON A NEW STEERING GEAR

1877 – Band 18

1. ON THE FIGHTING POWER OF THE MERCHANT SHIP IN NAVAL WARFARE
2. ON CITADEL SHIPS
3. ON IMPROVED SHIPS OF WAR AND THEIR DEFENCE AGAINST TORPEDOES

4. ON THE LENGTHENING OF THE P. & O. COMPANY 'S S.S. "POONAH" AND THE COMPARATIVE RESULTS AT SEA
5. ON THE SELF-TRIMMING SCREW COLLIER
6. EXPERIMENTS UPON THE EFFECT PRODUCED ON THE WAVE-MAKING RESISTANCE OF SHIPS BY LENGTH OF PARALLEL MIDDLE BODY
7. ON THE STRAINS OF IRON SHIPS
8. ON CAST IRON, WROUGHT IRON AND STEEL CONSIDERED IN RELATION TO THEIR POWERS TO WITHSTAND THE BLOWS OF HEAVY PROJECTILES
9. ON GUN CARRIAGES FOR THE CIRCULAR SHIP "VICE-ADMIRAL POPOFF"
10. ON A PRACTICAL METHOD OF RAISING SUNKEN VESSELS
11. ON A METHOD OF RECORDING AND COMPARING THE PERFORMANCES OF STEAM SHIPS
12. ON SAFETY VALVES
13. ON A SHALLOW WATER SHIP-FLOAT PROVIDED WITH A NEW SYSTEM OF BLOCKING ENABLING LOADED VESSELS TO BE SAFELY DOCKED
14. ON THE STABILITY OF SHIPS
15. ON THE LAUNCHING OF SHIPS WITH A FEW REMARKS ON THE CONSTRUCTION OF SLIPS AND WAYS
16. ON PORTABLE ANCHORS
17. ON LLOYD'S NUMERALS
18. ON TRANSVERSE AND OTHER STRAINS OF SHIPS
19. ON LAUNCHING LARGE SHIPS
20. NOTE ON ABNORMAL INFLUENCES IN THE DIRECT MOTION OF STEAM VESSELS
21. TWENTY MINUTES WITH OUR COMMERCIAL MARINE STEAM FLEET IN 1877
22. ON THE EFFECT OF PUNCHING ON IRON AND STEEL PLATES
23. ON MARINE STEAM BOILERS: THEIR DESIGN, CONSTRUCTION, OPERATION AND WEAR
24. STRENGTH OF BOILERS
25. ON THE BOILERS AND ENGINES OF OUR FUTURE FLEET
26. ON WATER BALLAST
27. ON PROPULSION OF VESSELS
28. ON THE ACTION OF SCREW PROPELLERS WITH SOME NOTICE OF CERTAIN DEFECTS IN THE FORMS IN ORDINARY USE AND OF A MODE OF CONSTRUCTION DESIGNED TO REDUCE THESE DEFECTS

29. ON THE COURSE OF STUDY IN THE ROYAL NAVAL COLLEGE, GREENWICH, WITH SPECIMENS OF THE WORK DONE BY STUDENTS OF NAVAL ARCHITECTURE

30. IMPROVEMENTS IN DREDGING

31. EXTENDED REPORT ON STEEL FOR SHIPBUILDING BY THE CHIEF SURVEYOR OF LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING AND HIS ASSISTANTS

1878 – Band 19

1. ON STEEL FOR SHIPBUILDING

2. ON THE COMPARATIVE EFFICIENCY OF SINGLE AND TWIN-SCREW PROPELLERS IN DEEP-DRAUGHT SHIPS

3. ON THE ELEMENTARY RELATION BETWEEN PITCH, SLIP AND PROPULSIVE EFFICIENCY

4. ON THE THEORY OF DEEP-SEA OR OSCILLATING WAVES

5. ON LIGHTENED SCANTLINGS

6. ON THE LOAD LINE OF STEAMERS

7. ON AN APPLICATION OF THE DECIMAL SYSTEM OF MEASUREMENT IN PRACTICAL SHIPBUILDING

8. ON THE NICOLAIEFF FLOATING DOCK: THE ORIGIN OF ITS DESIGN, CONSTRUCTION, EXPERIENCE IN DOCKING VESSELS AND FUTURE DEVELOPMENT

9. ON THE ROYAL NAVAL COLLEGE AND THE MERCANTILE MARINE

10. ON THE ADVANTAGES OF INCREASED BREADTH AND LESS DEPTH OF CARGO-CARRYING STEAMERS AND THEIR COMMERCIAL SUCCESS

11. ON A NEW PRINCIPLE OF CONSTRUCTION FOR WAR AND MERCHANT VESSELS AND OTHER IRON STRUCTURES

12. ON THE CONSTRUCTION AND BUILDING OF YACHTS

13. ON THE CONSTRUCTION OF COMPOSITE YACHTS ILLUSTRATED BY THE MODE ADOPTED IN THE "SUNBEAM" AND A NEW YACHT

14. ON THE USE OF STEEL FOR MARINE BOILERS AND SOME RECENT IMPROVEMENTS IN THEIR CONSTRUCTION

15. ON THE EFFECT OF DEPTH UPON THE STRENGTH OF A GIRDER TO RESIST BENDING STRAINS

16. NOTE ON THE FACT, THAT IN ANY COMPOUND ENGINE THERE IS A DEFINITE RATIO OF EXPANSION WHICH GIVES A MAXIMUM VALUE FOR THE MEAN PRESSURE ON THE HIGH-PRESSURE PISTON

17. NOTE ON THE GEOMETRY OF METACENTRIC DIAGRAM

18. ON CRUDE PETROLEUM (GREEK-FIRE) EQUIPMENTS FOR PURPOSES OF NAVAL WARFARE
19. ON AN EASY AND EFFECTIVE METHOD OF ASCERTAINING THE RUDDER POWER OF STEAM SHIPS
20. ON DEPTH AS A FACTOR IN THE COMPUTATION OF YACHT TONNAGE

1879 – Band 20

1. ON ARMOUR-PLATING SHIPS OF WAR
2. ARMOUR FOR SHIPS
3. ON NAVAL GUNS
4. ON THE TRUE NATURE OF THE WAVE OF TRANSLATION AND THE PART IT PLAYS IN REMOVING THE WATER OUT OF THE WAY OF A SHIP WITH LEAST RESISTANCE
5. A FEW YEARS' EXPERIENCE OF THE SCREW PROPELLER: ITS LESSONS AND RESULTS
6. ON THE RESISTANCE GIVEN TO SCREW SHIPS BY THE ACTION OF THE SCREW PROPELLER AND HOW TO REMEDY IT
7. THE STEAM TRIALS OF H.M.S. "IRIS"
8. THE STRUCTURAL ARRANGEMENTS AND PROPORTIONS OF H.M.S "IRIS"
9. ON THE MINIMUM AREA OF BLADE IN A SCREW PROPELLER NECESSARY TO FORM A COMPLETE COLUMN
10. ON TWIN SHIP PROPULSION
11. ON SOME OF THE CAUSES OF FAILURE OF CRANK-SHAFTS IN MARINE ENGINES
12. ON THE LEGAL LOAD LINE AND SOME REMARKS RELATING TO THE PRINCIPLES OF SAFE FREEBOARD
13. ON THE DOUBLE POWER FLOATING DOCK AND THE HYDRAULIC GRID
14. ON THE MOST POWERFUL IRONCLAD
15. ON A SYSTEM OF MECHANICAL SHIPBUILDING
16. LLOYD'S YACHT REGISTER
17. ON SIR W. THOMSON'S NAVIGATIONAL SOUNDING MACHINE
18. ON THE OSCILLOMETER: AN INSTRUMENT FOR MEASURING THE ANGLE THROUGH WHICH A SHIP ROLLS OR PITCHES AT SEA

1880 – Band 21

1. ON CAUSES OF UNSEAWORTHINESS IN MERCHANT STEAMERS

2. INTRODUCTORY PROCEEDINGS, THURSDAY MORNING, 18TH MARCH
3. ON THE "NELSON" CLASS
4. ON THE TRUE NATURE OF THE RESISTANCE OF ARMOUR TO SHOT
5. ON A METHOD OF ANALYSING THE FORMS OF SHIPS AND DETERMINING THE LENGTHS AND ANGLE OF ENTRANCE
6. ON THE STEAM TRIALS OF H.M.S. "IRIS" AND THE RESISTANCE OF SCREW PROPELLERS
7. TWENTY MINUTES WITH PASSENGER STEAMERS "ON THE LONG FERRY"
8. ON THE STABILITY OF YACHTS
9. ON A WAVE-LINE FORM OF MIDSHIP-SECTION
10. ON CELLULAR CONSTRUCTION OF MERCHANT SHIPS
11. ON STEEL IN THE SHIPBUILDING YARD
12. ON STEEL FOR SHIPBUILDING
13. ON THE RELATION BETWEEN THE TRUE PERIOD OF WAVES AND THE PERIOD OBSERVED ON BOARD A VESSEL UNDER WAY
14. ON SOME RECENT EXPERIMENTS IN ARTIFICIAL COMBUSTION
15. ON J. AMSLER-LAFFON'S MECHANICAL INTEGRATOR

1881 – Band 22

1. THE "ALMIRANTE BROWN" ARGENTINE-CASED CORVETTE AND THE EFFECT OF STEEL HULLS AND STEEL-FACED ARMOUR ON FUTURE WAR-SHIPS
2. ON THE PECULIARITIES OF BEHAVIOUR OF STEEL PLATES SUPPLIED FOR THE BOILERS OF THE IMPERIAL RUSSIAN YACHT "LIVADIA"
3. TWENTY MINUTES ON THE INCREASED USE OF STEEL IN SHIPBUILDING AND MARINE ENGINEERING
4. ON THE STABILITY OF CERTAIN MERCHANT SHIPS
5. WAVES RAISED BY PADDLE STEAMERS AND THEIR POSITIONS RELATIVELY TO THE WHEELS
6. ON THE USE OF MILD STEEL FOR SHIPBUILDING IN THE DOCKYARDS OF THE FRENCH NAVY
7. ON LOCAL EDUCATION IN NAVAL ARCHITECTURE
8. ON THE STRENGTH OF CRANK SHAFTS

9. THE INFLUENCE OF THE CUT-OFF AND LENGTH OF CONNECTING ROD ON THE WORKING OF STEAM ENGINES
10. ON THE ROLLING OF SAILING SHIPS
11. ON THE LEADING PHENOMENA OF THE WAVE-MAKING RESISTANCE OF SHIPS
12. FREEBOARD AND DISPLACEMENT IN RELATION TO STRAINS IN SHIPS AMONG WAVES
13. ON THE IMPERIAL RUSSIAN YACHT "LIVADIA"
14. ON THE INJURIES SUSTAINED BY THE "LIVADIA" IN THE BAY OF BISCAY
15. ON SOME RESULTS DEDUCED FROM CURVES OF RESISTANCE AND PROGRESSIVE MEASURED MILE SPEED CURVES
16. NOTES ON SCREW PROPULSION
17. SHIPBUILDING A THOUSAND YEARS AGO

1882 – Band 23

1. ARMoured SHIPS AND MODERN GUNS
2. ON MODERN MERCHANT STEAMERS
3. ON THE TRIPLE EXPANSIVE ENGINES OF THE S.S. "ABERDEEN"
4. ON THE ECONOMY OF COMPOUND ENGINES
5. ON THE REVISION OF THE TONNAGE LAW
6. ON THE BASIS FOR FIXING SUITABLE LOAD-LINES FOR MERCANTILE STEAMERS AND SAILING VESSELS
7. ON LAUNCHING VELOCITIES
8. LLOYD'S RULES AS AFFECTING MARINE BOILER CONSTRUCTION
9. ON CRACKS AND ANNEALING OF STEEL
10. CORROSIVE EFFECTS OF STEEL ON IRON IN SALT WATER
11. CORROSION IN STEAM BOILERS
12. ON THE QUALITY OF MATERIALS USED IN SHIPBUILDING
13. ON THE TRANSVERSE STRAINS OF IRON MERCHANT VESSELS
14. ON PROGRESSIVE TRIALS
15. THE DURABILITY, CONSTRUCTION AND BALLASTING OF YACHTS
16. CURVES OF STABILITY OF SOME MAIL STEAMERS

17. ON APPROXIMATE FORMULAE FOR THE CALCULATION OF TRIM

18. ON THE REDUCTION OF TRANSVERSE AND LONGITUDINAL METACENTRIC CURVES TO RATIO CURVES

1883 – Band 24

1. ON CERTAIN POINTS OF IMPORTANCE IN THE CONSTRUCTION OF SHIPS OF WAR

2. BULKHEADS

3. EFFICIENCY OF GUIDE-BLADE PROPELLERS

4. ON THE STEAM TRIALS OF THE "SATELLITE" AND "CONQUEROR" UNDER FORCED DRAUGHT

5. THE INFLUENCE OF THE BOARD OF TRADE RULES FOR BOILERS UPON THE COMMERCIAL MARINE

6. ON SEA-GOING TORPEDO BOATS

7. SOME EXPERIMENTS TO TEST THE RESISTANCE OF A FIRST-CLASS TORPEDO-BOAT

8. STEAM YACHTS

9. ON THE MODES OF ESTIMATING THE STRAINS TO WHICH STEAMERS ARE SUBJECT

10. HOGGING AND SAGGING STRAINS IN A SEA WAY AS INFLUENCED BY WAVE STRUCTURE

11. THE ADVANTAGES OF INCREASED PROPORTION OF BEAM TO LENGTH IN STEAMSHIPS

12. ON A METHOD OF REDUCING THE ROLLING OF SHIPS AT SEA

13. TONNAGE MEASUREMENT, MOULDED DEPTH AND THE OFFICIAL REGISTER IN RELATION TO THE FREEBOARD OF IRON VESSELS

14. ON THE ASSESSMENT OF DECK ERECTIONS IN RELATION TO FREEBOARD

15. A SELF-PROPELLING, SELF-CAREENING FLOATING DOCK

16. A DESCRIPTION OF A METHOD OF INVESTIGATION OF SCREW PROPELLER EFFICIENCY

17. THE SPEED AND FORM OF STEAMSHIPS CONSIDERED IN RELATION TO LENGTH OF VOYAGE

18. FOG SIGNALLING

19. ON A METHOD OF OBTAINING THE DESIRED DISPLACEMENT IN DESIGNING SHIPS

1884 – Band 25

1. THE "RIACHUELO", BRAZILIAN ARMOUR-CLAD TURRET-SHIP – ITS CONSTRUCTION AND PERFORMANCES
2. DESCRIPTION OF THE ELECTRICAL LAUNCH BUILT LAST YEAR
3. ON THE VIBRATION OF STEAM VESSELS
4. ON CROSS CURVES OF STABILITY, THEIR USES AND A METHOD OF CONSTRUCTING THEM OBVIATING THE NECESSITY FOR THE USUAL CORRECTION FOR THE DIFFERENCES OF THE WEDGES OF IMMERSION AND EMERSION
5. ON A NEW METHOD FOR CALCULATING AND SOME NEW CURVES FOR MEASURING THE STABILITY OF SHIPS AT ALL ANGLES OF INCLINATION
6. THE USES OF STABILITY CALCULATIONS IN REGULATING THE LOADING OF STEAMERS
7. ON SOME POINTS OF INTEREST IN CONNECTION WITH THE CONSTRUCTION OF METACENTRIC DIAGRAMMS AND THE INITIAL STABILITY OF VESSELS
8. ON COMBUSTION OF FUEL IN FURNACES OF STEAM BOILERS BY NATURAL DRAUGHT AND BY SUPPLY OF AIR UNDER PRESSURE
9. ON THE APPLICATION OF HYDRAULIC MACHINERY TO THE LOADING, DISCHARGING, STEERING AND WORKING OF STEAMSHIPS
10. CAST STEEL AS A MATERIAL FOR CRANK-SHAFTS, ETC.
11. ON STEAM-SHIP MACHINERY REPAIRS
12. ON THE USES OF J. AMSLER-LAFFON'S INTEGRATOR IN NAVAL ARCHITECTURE
13. CONTRIBUTIONS TO THE SOLUTION OF THE PROBLEM OF STABILITY
14. THE GRAPHIC CALCULATION OF THE DATA DEPENDING ON THE FORMS OF SHIPS REQUIRED FOR DETERMINING THEIR STABILITY
15. ON THE COMPARATIVE SAFETY OF WELL-DECKED STEAMERS
16. DESCRIPTION OF ALEXANDER TAYLOR'S STABILITY INDICATOR FOR SHOWING THE INITIAL STABILITY AND STOWAGE OF SHIPS AT ANY DISPLACEMENT
17. SOME CONSIDERATIONS RESPECTING THE RIVETING OF IRON SHIPS
18. VENTILATION OF MERCHANT SHIPS
19. WATER BRAKES AND SCULL RUDDERS
20. ON IMPROVEMENTS IN APPARATUS AND MEANS FOR INDICATING THE POSITION OF A SHIP'S HELM
21. NOTE ON THE CHANGE PRODUCED IN PLATES BY PUNCHING

1. A PRACTICAL MEASUREMENT OF THE COMPARATIVE FIGHTING EFFICIENCY OF SHIPS OF WAR
2. THE USE OF WATER-CHAMBERS FOR REDUCING THE ROLLING OF SHIPS AT SEA
3. MECHANICAL METHOD OF MEASURING A VESSEL'S STABILITY
4. THE STOWAGE OF STEAMSHIPS
5. METHOD OF ARRANGING THE COAL BUNKERS OF A STEAMER SO AS TO REDUCE THE BALLAST TO A MINIMUM
6. ON YACHT MEASUREMENT AND TIME ALLOWANCE FOR RACING
7. MOST SUITABLE PROPELLER FOR SHALLOW DRAUGHT
8. SOME FURTHER EXPERIENCE WITH TRIPLE COMPOUND ENGINES
9. THE THEORETICAL DUTY OF HEAT IN THE STEAM ENGINE
10. ON THE APPLICATION OF MODERATE FORCED DRAUGHT TO THE FURNACES OF SMALL STEAM VESSELS UPON MR. P. W. WILLAN'S SYSTEM
11. ON THE STRENGTH OF MILD STEEL PLATES AND RIVETS OF VARIOUS KINDS USED IN SHIPBUILDING
12. SOME NOTES ON THE STRENGTH OF RIVETED JOINTS
13. ON THE MANUFACTURE OF LARGE FORGINGS FOR STERN FRAMES
14. ON THE EFFICIENCY OF MARINE BOILERS
15. EXPERIENCE IN THE USE OF THICK STEEL BOILER PLATES
16. THE PROPELLING MACHINERY FOR HIGH-SPEED SHIPS
17. ON THE JOY GEAR IN ITS BEARING ON THE QUESTION OF SAVING SPACE IN THE ENGINE ROOMS OF WAR AND OTHER SHIPS AND ITS SPECIAL ADAPTABILITY TO TRIPLE EXPANSION ENGINES
18. A DIAGRAM OF STABILITY

1886 – Band 27

1. ON THE SPEED TRIALS OF RECENT WAR SHIPS
2. AN IMPROVED MECHANICAL METHOD OF FINDING THE STABILITY OF A VESSEL
3. A STRAIN INDICATOR FOR USE AT SEA
4. A BRIEF REVIEW OF THE PROGRESS OF MILD STEEL AND THE RESULTS OF EIGHT YEARS' EXPERIENCE OF ITS USE FOR SHIPBUILDING PURPOSES
5. THE PRESENT ASPECT OF MILD STEEL FOR SHIPBUILDING

6. ON THE USE OF STEEL CASTINGS IN LIEU OF IRON FORGINGS AND BRASS CASTINGS IN BUILDING AND FITTING SHIPS
7. CLOSED STOKEHOLDS
8. ON FORCED COMBUSTION IN FURNACES OF STEAM BOILERS
9. ON MODERN IMPROVEMENTS IN THE WORKING OF CABLES AND THE STOWAGE OF ANCHORS
10. EXPERIENCE IN PROPULSION WITH THREE SCREWS
11. THE DETERMINATION OF THE MOST SUITABLE DIMENSIONS FOR SCREW PROPELLERS
12. DESCRIPTION OF AN INSTRUMENT INTENDED TO ANALYSE ROLLING
13. PROPOSED STEAM LIFE BOAT WITH SPECIAL REFERENCE TO ITS STABILITY
14. ON CONVERTING EXISTING COMPOUND ENGINES INTO TRIPLE-EXPANSION ENGINES
15. FLEXIBLE CRANK AND PROPELLER SHAFTING IN LIEU OF RIGID SHAFTING FOR MARINE PROPULSION
16. ON A NEW SYSTEM OF STEERING GEAR AND RUDDER STRAINS RECORDED BY IT
17. RECENT MEASUREMENTS OF TURNING POWERS OF SCREW SHIPS
18. ON THE STRENGTH OF BULKHEADS
19. REPORT ON THE EFFECT OF PUNCHING, DRILLING AND RIMING MILD STEEL PLATES MADE TO LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

1887 – Band 28

1. ON THE CARRIAGE OF PETROLEUM IN BULK ON OVER-SEA VOYAGES
2. DESCRIPTION OF THE RIVER MERSEY AND THE PORT OF LIVERPOOL
3. NOTES UPON LOSSES AT SEA
4. ON THE PROGRESS AND DEVELOPMENT OF MARINE ENGINEERING
5. ATLANTIC STEAMERS
6. THE "MERCHANT SERVICE" AND THE ROYAL NAVY
7. COMMUNICATION RELATING TO THE RESULTS OF A SERIES OF PROGRESSIVE TRIALS CARRIED OUT AT CHERBOURG ON A TORPEDO BOAT
8. TWIN-SCREW TORPEDO VESSELS "WIBORG" AND "DESTRUCTOR"
9. FIFTY YEARS OF YACHT BUILDING
10. ON THE CORROSION AND PROTECTION OF IRON AND STEEL SHIPS

11. FUEL SUPPLY IN SHIPS OF WAR
12. ON THE CHANGES OF LEVEL IN THE SURFACE OF THE WATER SURROUNDING A VESSEL PRODUCED BY THE ACTION OF A PROPELLER AND BY SKIN FRICTION
13. ON THE FORCES ACTING UPON THE BLADE OF A SCREW PROPELLER
14. THE MACHINERY OF SMALL BOATS FOR SHIPS OF WAR
15. COMPARATIVE EFFECTS OF BELTED AND INTERNAL PROTECTION UPON THE OTHER ELEMENTS OF DESIGN OF A CRUISER
16. ON THE SHIFTING OF CARGOES
17. ON THE PRACTICAL APPLICATION OF STABILITY CALCULATIONS
18. ON THE PRINCIPLE OF AN HYDRAULIC APPARATUS FOR TRANSMITTING SIGNALS AND POWER AND CONTROLLING ALL SORTS OF DISTANT MECHANISM
19. SOME RECENT HIGH-SPEED TWIN SCREWS
20. FORMS OF FISH AND OF SHIPS
21. A NEW METHOD OF USING PAPER SECTIONS FOR THE DETERMINATION OF CROSS CURVES OF STABILITY
22. STABILITY CALCULATIONS BY MEANS OF THE PLANIMETER

1888 – Band 29

1. THE APPLICATION OF HYDRAULIC POWER TO NAVAL GUNNERY
2. PROGRESS AND DEVELOPMENT OF THE MARINE ENGINE
3. ON SOME RECENT EXPERIMENTS WITH BASIC STEEL
4. ON THE PRESENT POSITION OCCUPIED BY BASIC STEEL AS A MATERIAL FOR SHIPBUILDING
5. DESCRIPTION OF THE IMPROVEMENTS OF THE RIVER TYNE
6. ON AMERICAN WAR-SHIP DESIGN
7. ON UNARMoured WATER-LINES IN WAR-SHIPS
8. THE DEVELOPMENT OF MODERN WEAPONS CONSIDERED IN RELATION TO THE DESIGNS OF WAR-SHIPS
9. WORKING AND TEST PRESSURES FOR MARINE BOILERS
10. ON THE POSSIBLE ADVANTAGE OF USING HIGHLY VOLATILE LIQUIDS IN LIEU OF WATER FOR THE PURPOSES OF PROPULSION
11. ON THE FINENESS OF VESSELS IN RELATION TO SIZE AND SPEED

12. ON A METHOD OF APPROXIMATELY DETERMINING THE MEAN GIRTH OF A SHIP
13. ON FORCED DRAUGHT
14. BOILERS UNDER FORCED DRAUGHT ON THE CLOSED STROKEHOLD SYSTEM
15. ON THE "CONSTANT" SYSTEM OF NOTATION OF RESULTS OF EXPERIMENTS ON MODELS USED AT THE ADMIRALTY EXPERIMENT WORKS
16. A THEORY OF THE SCREW PROPELLER
17. COMMUNICATION RELATING TO THE RESULTS OF EXPERIMENTS WITH FOUR- AND TWO-BLADED SCREW PROPELLERS
18. PROPOSED DESIGNS FOR SURFACE-BOATS AND DIVING-BOATS
19. ON THE MATERIAL BEST SUITED FOR PROPELLER BLADES
20. NOTES ON THE INFLUENCE OF SIZE AND SPEED ON COLLISIONS AT SEA

1889 – Band 30

1. ON THE COMPARATIVE MERITS OF DEEP KEEL AND CENTRE-BOARD YACHTS FOR RACING PURPOSES
2. THE RIVER CLYDE
3. COPPER STEAM PIPES FOR MODERN HIGH PRESSURE ENGINES
4. ON THE COURSE OF INSTRUCTION IN NAVAL ARCHITECTURE AT GLASGOW UNIVERSITY
5. THE FIRST CENTURY OF THE MARINE ENGINE
6. STEAM TRIALS OF THE ROYAL ITALIAN IRONCLAD "LEPANTO"
7. ON THE POSSIBLE EFFECT OF HIGH EXPLOSIVES ON FUTURE DESIGNS FOR WAR-SHIPS
8. ON THE DESIGNS FOR THE NEW BATTLE-SHIPS
9. THE PROTECTION OF BUOYANCY AND STABILITY OF SHIPS
10. THE PROTECTION OF MERCHANT STEAMERS IN TIME OF WAR
11. THE ITALIAN CRUISER "PIEMONTE"
12. WATER-TUBE BOILERS FOR WAR-SHIPS
13. ON EXPERIMENTS IN ENDEAVOURING TO BURST A BOILER SHELL MADE TO ADMIRALTY SCANTLINGS
14. THE ETHER-PRESSURE THEORY OF THERMODYNAMICS APPLIED TO STEAM
15. ON THE FORMATION OF MARINE BOILER INCRUSTATIONS

16. AN APPARATUS FOR PROVIDING A STEADY PLATFORM FOR GUNS, ETC. AT SEA
17. THE CORROSION AND FOULING OF STEEL AND IRON SHIPS
18. ON THE PART PLAYED IN PROPULSION BY DIFFERENCES OF FLUID PRESSURE
19. REMARKS ON PROFESSOR GREENHILL'S THEORY OF THE SCREW PROPELLER
20. ON THE CONNECTION BETWEEN THE CURVE OF STABILITY AND THE METACENTRIC CURVE OR LOCUS OF PRO-METACENTRES
21. SOME DETAILS RELATING TO THE CORRECTION OF COMPASS ERRORS IN IRON VESSELS
22. ON BOAT LOWERING AND DISENGAGING

1890 – Band 31

1. NOTES ON RECENT NAVAL MANOEUVRES
2. THE WASHINGTON MARITIME CONFERENCE
3. ON LEAK-STOPPING IN STEEL SHIPS
4. ON THE STRENGTH OF SHIPS WITH SPECIAL REFERENCE TO THE DISTRIBUTION OF SHEARING STRESS OVER A TRANSVERSE SECTION
5. STEATITE AS A PIGMENT FOR ANTI-CORROSIVE PAINT
6. THE DISTRIBUTION OF EVAPORATION IN A MARINE BOILER
7. ON THE APPLICATION OF A SYSTEM OF COMBINED STEAM AND HYDRAULIC MACHINERY TO THE LOADING, DISCHARGING AND STEERING OF STEAMSHIPS
8. THE REVOLVING ENGINE APPLIED ON BOARD SHIP
9. ON THE VARIATION OF THE STRESSES ON VESSELS AT SEA DUE TO WAVE MOTION
10. THE SPONTANEOUS IGNITION OF COAL CARGOES
11. ON VARIOUS THEORIES OF THE SCREW PROPELLER
12. EXPERIMENTS WITH LIFEBOAT MODELS

1891 – Band 32

1. FUTURE POLICY OF WAR-SHIP BUILDING
2. SOME RECENT WAR-SHIP DESIGNS FOR THE AMERICAN NAVY
3. BOILER DEPOSITS
4. STUDY OF CERTAIN PHENOMENA OF COMPRESSION

5. BOILER CONSTRUCTION SUITABLE FOR WITHSTANDING THE STRAINS OF FORCED DRAUGHT SO FAR AS IT AFFECTS THE LEAKAGE OF BOILER TUBES
6. RECENT IMPROVEMENTS IN ARMOUR PLATES FOR SHIPS
7. ON THE ALTERATIONS IN FORM OF STEEL VESSELS DUE TO DIFFERENT CONDITIONS OF LOADING
8. THE INTERNAL STRESSES IN STEEL PLATING DUE TO WATER PRESSURE
9. SOME DETAILS OF MARINE ENGINEERING
10. ON COMBINED CRANK, CRANK AND INTERMEDIATE SHAFTS FOR MARINE ENGINES AND ON THEIR LIABILITY TO FRACTURE
11. AN ASSISTANT CYLINDER FOR MARINE ENGINES

1892 – Band 33

1. RECENT PROGRESS IN WAR-SHIP CONSTRUCTION AS ILLUSTRATED BY THE MODELS AT THE ROYAL NAVAL EXHIBITION
2. ON THE ALTERATIONS IN THE TYPES AND PROPORTIONS OF MERCANTILE VESSELS TOGETHER WITH RECENT IMPROVEMENTS IN THEIR CONSTRUCTION AND DEPTH OF LOADING AS AFFECTING THEIR SAFETY AT SEA
3. CENTRE AND WING BALLAST TANK SUCTIONS IN DOUBLE-BOTTOMED VESSELS
4. SOME NOTES ON THE HISTORY, PROGRESS AND RECENT PRACTICE IN MARINE ENGINEERING
5. PROGRESS IN MARINE ENGINEERING IN THE MERCANTILE MARINE
6. ON THE WEAK POINTS IN STEAMERS CARRYING OIL IN BULK AND THE TYPE WHICH EXPERIENCE HAS SHOWN TO BE MOST SUITABLE FOR THIS TRADE
7. ON DIVISIONAL WATERTIGHT BULKHEADS AS APPLIED TO STEAMERS AND SAILING VESSELS
8. STEADYING VESSELS AT SEA
9. NOTES ON RECENT EXPERIENCES WITH SOME OF H.M. SHIPS
10. A RAM VESSEL AND THE IMPORTANCE OF RAMS IN WAR
11. WHALEBACK STEAMERS
12. ON AN APPROXIMATE RULE FOR THE VERTICAL POSITION OF THE CENTRE OF BUOYANCY
13. ON BALANCING MARINE ENGINES AND THE VIBRATION OF VESSELS
14. SOME NOTES ON THE STRENGTH OF STEAMERS
15. ON THE TRANSVERSE STABILITY OF SHIPS AND A RAPID METHOD OF DETERMINING IT

16. NOTES ON EXPERIMENTS WITH INFLAMMABLE AND EXPLOSIVE ATMOSPHERES OF PETROLEUM VAPOUR

17. ON THE THEORETICAL EFFECT OF THE RACE ROTATION ON SCREW PROPELLER EFFICIENCY

18. PERFORMANCE OF THREE SETS OF ENGINES BELONGING TO SECOND-CLASS CRUISERS RECENTLY ADDED TO H.M. NAVY AS CALCULATED FROM THE FULL POWER STEAM TRIALS

19. ON CONVENIENT CURVES FOR DETERMINING THE MOST SUITABLE DIMENSIONS FOR SCREW PROPELLERS

20. ON SOME ADDITIONAL FEATURES IN THE "CONSTANT" NOTATION USED AT THE ADMIRALTY EXPERIMENTAL WORKS

1893 – Band 34

1. ON THE PRESENT POSITION OF THE CRUISER IN NAVAL WARFARE

2. MERCHANT CRUISERS: CONSIDERED WITH REFERENCE TO THE POLICY OF MAINTAINING A RESERVE OF VESSELS BY ANNUAL SUBVENTIONS TO SHIPOWNERS

3. SOME CONSIDERATIONS RELATING TO THE STRENGTH OF BULKHEADS

4. ON THE MEASUREMENT OF WAKE CURRENTS

5. ON THE NEW AFONASIEFF'S FORMULAE FOR SOLVING APPROXIMATELY VARIOUS PROBLEMS CONNECTED WITH THE PROPULSION OF SHIPS

6. SOME EXPERIMENTS ON THE TRANSMISSION OF HEAT THROUGH TUBE PLATES

7. NOTES ON SOME ALTERATIONS OF FORM TO WHICH BOILERS ARE SUBJECT WHEN UNDER WORKING CONDITIONS

8. ON AN APPARATUS FOR MEASURING AND REGISTERING THE VIBRATIONS OF STEAMERS

9. A METHOD FOR THE IMMEDIATE TEMPORARY REPAIRS OF ANY FORM OR SIZE OF FRACTURES THAT MAY BE MADE IN THE IRON PLATES OF SHIPS, IN NAVAL ACTIONS, STRANDING, COLLISION OR BY ANY OTHER MEANS IN ANY PART OF THE SHIP, WHERE THE DAMAGE MAY BE EITHER ABOVE OR BELOW THE WATER-LINE

10. ON APPROXIMATE CURVES OF STABILITY

11. ON SOME EXPERIMENTS WITH THE ENGINES OF THE S.S. "IVEAGH"

12. ON WORKING TRIPLE EXPANSION ENGINES AS COMPOUNDS

13. THE CYCLOGRAM OR CLOCK-FACE DIAGRAM OF THE SEQUENCE OF PRESSURES IN MULTI-CYLINDER STEAM ENGINES

1894 – Band 35

1. ON POINTS OF INTEREST IN THE CONSTRUCTION AND REPAIR OF VESSELS CARRYING OIL IN BULK
2. FAST OCEAN STEAMSHIPS
3. SOME EXPERIMENTS ON THE COMBINATION OF INDUCED DRAUGHT AND HOT AIR APPLIED TO MARINE BOILERS FITTED WITH "SERVE" TUBES AND RETARDERS
4. WEAR AND TEAR IN BALLAST TANKS
5. AN ACCOUNT OF SOME EXPERIMENTS ON THE TRANSMISSION OF HEAT THROUGH STEEL PLATES FROM HEATED GAS AT THE ONE SIDE TO WATER ON THE OTHER
6. ON THE PRESENT POSITION OF WATER-TUBE BOILERS AS APPLIED FOR MARINE PURPOSES
7. ON THE THEORY OF THIN PLATING AND ITS APPLICABILITY TO CALCULATIONS OF THE STRENGTH OF BULKHEAD PLATING AND SIMILAR STRUCTURES
8. THE QUALITIES AND PERFORMANCES OF RECENT FIRST-CLASS BATTLESHIPS
9. ON THE AMPLITUDE OF ROLLING ON A NON-SYNCHRONOUS WAVE
10. THE STRESSES ON A SHIP DUE TO ROLLING
11. LECLERT'S THEOREM
12. RECENT EXPERIMENTS IN ARMOUR
13. THE DETACHABLE RAM OR THE SUBMARINE GUN AS A SUBSTITUTE FOR THE RAM
14. LEAVES FROM A LABORATORY NOTE BOOK:
(A) SOME POINTS AFFECTING THE TRANSMISSION OF HEAT IN STEAM BOILERS
(B) ON THE SPONTANEOUS HEATING OF COAL
(C) THE CORROSION OF STEEL AND IRON PLATES NEAR BOILERS
15. CIRCULATION IN THE "THORNYCROFT" WATER-TUBE BOILER
16. ON WATER-TUBE BOILERS
17. ON THE COMPARATIVE MERITS OF CYLINDRICAL AND WATER-TUBE BOILERS FOR OCEAN STEAMSHIPS
18. FURTHER INVESTIGATIONS OF THE VIBRATIONS OF STEAMERS
19. ON THE RELATION BETWEEN STRESS AND STRAIN IN THE STRUCTURE OF VESSELS
20. ON SHIP-SHAPED STREAM FORMS
21. STEAM-PRESSURE LOSSES IN MARINE ENGINES
22. SOME EXPERIMENTS WITH TRIPLE-EXPANSION ENGINES AT REDUCED POWERS
23. ON A FLUID PRESSURE REVERSING GEAR

1895 – Band 36

1. ON THE HARBOUR AND DOCKS OF SOUTHAMPTON
2. ON THE IMPORTANCE OF ECONOMY OF FUEL IN VERY FAST VESSELS AND ON THE ADVANTAGES TO BE DERIVED FROM HEATING THE FEED WATER
3. THE INFLUENCE OF CIRCULATION ON EVAPORATIVE EFFICIENCY OF WATER-TUBE BOILERS
4. THE DESIGN OF MAIL STEAMERS WITH SPECIAL REFERENCE TO THEIR USE FOR WAR PURPOSES
5. ON A RAPID METHOD OF CALCULATING WETTED SURFACES
6. RECENT EXPERIENCE WITH CYLINDRICAL BOILERS AND THE "ELLIS AND EAVES" SUCTION DRAUGHT
7. THE VENTILATION OF STEAMSHIPS WITH SPECIAL REFERENCE TO THE REMOVAL OF EXPLOSIVE AND FOUL GASES FROM BULK OIL STEAMERS
8. NOTES ON FURTHER EXPERIENCE WITH FIRST-CLASS BATTLESHIPS
9. THE ELEMENTS OF FORCE IN A WARSHIP
10. REMARKS ON STEAM PIPES
11. LIGHT DRAUGHT RIVER STEAMERS
12. ON SOLID STREAM FORMS AND THE DEPTH OF WATER NECESSARY TO AVOID ABNORMAL RESISTANCE OF SHIPS
13. THE METHOD OF INITIAL CONDENSATION AND HEAT-WASTE IN STEAM-ENGINE CYLINDERS
14. DESCRIPTION OF AN ALUMINIUM TORPEDO-BOAT BUILT FOR THE FRENCH GOVERNMENT
15. ON VIBRATIONS OF HIGHER ORDER IN STEAMERS AND ON TORSIONAL VIBRATIONS
16. ON THE VIBRATIONS OF SHIPS AND ENGINES
17. ON A METHOD OF PREVENTING VIBRATIONS IN MARINE ENGINES
18. ON THE TRANSVERSE STABILITY OF FLOATING VESSELS CONTAINING LIQUIDS WITH SPECIAL REFERENCE TO SHIPS CARRYING OIL IN BULK
19. INDUCED DRAUGHT AS A MEANS FOR DEVELOPING THE POWER OF MARINE BOILERS

1896 – Band 37

1. THE AMPLITUDE OF ROLLING ON A NON-SYNCHRONOUS WAVE (2ND NOTICE)
2. ON WOOD AND COPPER SHEATHING FOR STEEL SHIPS

3. M.G. METER

4. ON THE UTILITY OF CALCULATING THE WHOLE EXTERNAL VOLUME OF SHIPS AND CONSTRUCTING THE COMPLETE SCALE OF SOLIDITY FROM THE POINTS OF VIEW OF "STABILITY", "TONNAGE" AND "LOAD-LINE"

5. ON STEAM VESSELS OF LIGHT SCANTLINGS FOR SPECIAL PURPOSES OF TRADE

6. ON COUPLING BOILERS OF DIFFERENT SYSTEMS

7. THE COST OF WARSHIPS

8. ON WATER-TUBE BOILERS

9. THE NICKLAUSSE WATER-TUBE BOILER

10. WATER-TIGHT DOORS AND THEIR DANGER TO MODERN FIGHTING SHIPS

11. WATER-TIGHT DOORS

12. SOME GEOMETRY IN CONNECTION WITH THE STABILITY OF SHIPS

13. THE CAUSES OF MYSTERIOUS FRACTURES IN THE STEEL USED BY MARINE ENGINEERS AS REVEALED BY THE MICROSCOPE

14. MEASUREMENT OF FEED AND CIRCULATING WATER, ETC. BY CHEMICAL MEANS

15. SALVAGE APPLIANCES

16. COMPOUND MARINE BOILERS

17. WATER-TUBE BOILERS

18. CIRCULATION IN WATER-TUBE BOILERS

19. THE NON-UNIFORM ROLLING OF SHIPS

20. A NEW THEORY OF THE PITCHING MOTION OF SHIPS ON WAVES AND OF THE STRESSES PRODUCED BY THIS MOTION

21. NOTES ON THE CARRIAGE OF GRAIN CARGOES

1897 – Band 38

1. THE MARITIME POSITION AND PRINCIPAL FEATURES OF THE PORT OF HAMBURG

2. SHIPBUILDING IN GERMANY

3. RECENT IMPROVEMENTS IN DOCKS AND DOCKING APPLIANCES

4. DEVELOPMENT IN DESIGN AND CONSTRUCTION OF GERMAN MEN-OF-WAR

5. THE CLASSIFICATION AND RELATIVE POWER OF WARSHIPS

6. ON SIGNS OF WEAKNESS IN TANK STEAMERS

7. ON VARIOUS DESCRIPTIONS OF DOORS APPLICABLE TO WATER-TIGHT BULKHEADS AND THEIR FASTENINGS, ETC.
8. USE OF ELECTRICITY ON BOARD SHIPS
9. RECENT TRIALS OF THE CRUISERS "POWERFUL" AND "TERRIBLE"
10. WATER-TUBE BOILERS IN WARSHIPS
11. A MECHANICAL METHOD OF ASCERTAINING THE STATICAL STABILITY OF SHIPS
12. ON THE FIGHTING VALUE OF CERTAIN OF THE OLDER IRONCLADS IF RE-ARMED
13. THE APPLICATION OF THE COMPOUND STEAM TURBINE TO THE PURPOSE OF MARINE PROPULSION
14. THE USE OF THE MEAN WATER-LINE IN DESIGNING THE LINES OF SHIPS
15. THE ACCELERITY DIAGRAM OF THE STEAM ENGINE
16. A NOTE ON THE GEOMETRY OF STABILITY
17. ACETYLENE GAS AND ITS PROBABLE FUTURE AFLOAT
18. NICKEL STEEL AS AN IMPROVED MATERIAL FOR BOILER SHELL PLATES, FORGINGS AND OTHER PURPOSES
19. APPLICATION OF ELECTRICAL TRANSMISSION OF POWER IN MARINE ENGINEERING AND SHIPBUILDING

1898 – Band 39

1. HARDENED PLATES AND BROKEN PROJECTILES
2. NON-FLAMMABLE WOOD
3. A REVIEW OF THE HISTORY AND PROGRESS OF MARINE ENGINEERING IN THE ROYAL NAVY AND MERCANTILE MARINE FROM THE FOUNDATION OF THE INSTITUTION OF NAVAL ARCHITECTS TO THE PRESENT DATE
4. WATER-TUBE BOILERS IN HIGH-SPEED OCEAN STEAMERS
5. ON THE ADVANCES MADE IN THE MATHEMATICAL THEORY OF NAVAL ARCHITECTURE DURING THE EXISTENCE OF THE INSTITUTION
6. DANISH STEAM RAILWAY FERRIES AND ICE-BREAKING STEAMERS
7. ON GRAPHIC AID IN APPROXIMATING HULL WEIGHTS
8. CRANK AND OTHER SHAFTS USED IN THE MERCANTILE MARINE
9. ON THE FORMATION OF CAVITIES IN WATER BY SCREW PROPELLERS AT HIGH SPEEDS
10. EXPERIMENTS ON THE NATURE OF THE SURFACE RESISTANCE IN PIPES AND ON SHIPS

1898 – Band 40

11. RECENT TRIALS OF THE CRUISER "DIADEM"
12. RIVETING BY ELECTRICITY
13. INVESTIGATION OF THE NATURE OF SURFACE RESISTANCE OF WATER AND OF STREAM-LINE MOTION UNDER CERTAIN EXPERIMENTAL CONDITIONS (SECOND PAPER)
14. HORSE-POWER ABSORBED BY SKIN FRICTION AND WAVE-MAKING IN SHIPS OF DIFFERENT FORMS AND PROPORTIONS DEDUCED FROM PROGRESSIVE TRIALS
15. EXPERIMENTS ON THE EFFECT OF DIRECTION OF ROTATION IN TWIN SCREWS
16. TRUNK-DECK STEAMER "OSCAR II"
17. ON RESISTANCE TO THE MOTION OF SOLIDS IN A FLUID
18. REMINISCENCES OF EARLY MARINE STEAM ENGINE CONSTRUCTION AND STEAM NAVIGATION IN THE UNITED STATES OF AMERICA FROM 1807 TO 1850
19. DESCRIPTION OF SOME EXPERIMENTS WITH A WATER-TUBE BOILER
20. PNEUMATIC MACHINERY FOR LOADING AND DISCHARGING GRAIN CARGOES
21. A GENERAL THEORY OF THE OSCILLATIONS OF A SHIP ON WAVES
22. ON STRESSES EXPERIENCED BY A SHIP IN A SEAWAY
23. THE PROBLEM OF STABILITY IN NAVAL ARCHITECTURE
24. MINIMUM NET REGISTER AND ITS EFFECT ON DESIGN
25. THE STEERING QUALITIES OF THE "YASHIMA"
26. SUBMARINE TORPEDO-BOATS: THEIR INFLUENCE ON TORPEDO-BOAT ARCHITECTURE AND VALUE IN WARFARE
27. ON THE DIRECT ATTACHMENT OF COPPER SHEATHING PLATES TO THE HULLS OF VESSELS

1899 – Band 41

1. TRIALS AND EXPERIMENTS MADE IN H.M.S. "ARGONAUT"
2. SOME STEAM TRIALS OF DANISH SHIPS
3. THE LOGICAL ARRANGEMENT OF THE MOTIVE POWER OF WAR SHIPS
4. THE STRESSES AT THE DISCONTINUITIES IN A SHIP'S STRUCTURE
5. ON THE ADVANTAGES OF USING TCHEBYCHEFF'S RULE IN ASSOCIATION WITH THE INTEGRATOR TO OBTAIN CROSS CURVES OF STABILITY

6. REMINISCENCES OF EARLY MARINE STEAM ENGINE CONSTRUCTION AND STEAM NAVIGATION IN THE UNITED STATES OF AMERICA FROM 1807 TO 1850 (CONTINUED)
7. STEAM PIPES
8. PORTABLE PNEUMATIC RIVETERS IN SHIPBUILDING
9. PRACTICAL EXPERIENCE ON THE STRENGTH OF BOILERS
10. TORPEDO-BOAT DESTROYERS FOR SEA SERVICE
11. ON THE COMMUNICATIONS FORWARDED BY MESSRS. INGLIS AND DENNY AND PROFESSOR BILES ON THE SUBJECT OF MR. JAMES HAMILTON'S PAPER ON THE HORSE-POWER ABSORBED BY SKIN FRICTION AND WAVE-MAKING
12. THE BALANCING OF ENGINES WITH SPECIAL REFERENCE TO MARINE WORK
13. THE RISE AND PROGRESS OF RIFLED NAVAL ARTILLERY
14. THE DISTRIBUTION OF PRESSURE OVER THE BOTTOM OF A SHIP IN DRY DOCK AND OVER THE DOCK BLOCKS
15. A NEW METHOD OF FORCED DRAUGHT
16. ELSWICK CRUISERS
17. ON THE BOILER ARRANGEMENTS OF CERTAIN RECENT CRUISERS
18. ICE-BREAKERS
19. SOME EXPERIMENTS HAVING REFERENCE TO THE DURABILITY OF WATER-TUBE BOILERS
20. LARGE ATLANTIC CARGO STEAMERS
21. EXPERIMENTS ON THRUST-BLOCK FRICTION

1900 – Band 42

1. THE IMPERIAL JAPANESE NAVY
2. A SHORT ACCOUNT OF SOME OF THE CHANGES, WHICH HAVE BEEN INTRODUCED INTO THE TYPES, SIZES AND CONSTRUCTION OF SHIPS DURING THE PERIOD OF MY CONNECTION EXTENDING OVER FORTY YEARS WITH LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING
3. AN EXPERIMENTAL METHOD OF ASCERTAINING THE ROLLING OF SHIPS ON WAVES
4. ON LARGE CARGO STEAMERS
5. THE PRACTICAL RESULTS OF SOME INNOVATIONS IN MODERN SHIPBUILDING
6. THE STRENGTH OF ELLIPTIC SECTIONS UNDER FLUID PRESSURE

7. ON YACHT MEASUREMENTS: TOGETHER WITH SOME REMARKS ON THE ACTION OF SAILS
8. ON BALANCING OF STEAM ENGINES
9. THE ENGINES OF THE CORVETTE "GENERAL BAQUEDANO"
10. ON THE UNIFORMITY OF TURNING MOMENTS OF MARINE ENGINES
11. THE DISTRIBUTION OF PRESSURE DUE TO FLOW ROUND SUBMERGED SURFACES WITH SPECIAL REFERENCE TO BALANCED RUDDERS
12. THE ACTION OF BILGE KEELS
13. ON THE INFLUENCE OF DEPTH OF WATER ON THE RESISTANCE OF SHIPS
14. ON MYSTERIOUS FRACTURES OF STEEL SHAFTS
15. CORROSION AND FAILURE OF PROPELLER SHAFTS

1901 – Band 43

1. TEN YEARS' NAVAL CONSTRUCTION IN THE UNITED STATES
2. A DESIGN FOR A FAST SCOUT
3. AN INSTRUMENT FOR MEASURING THE ROLLING OF SHIPS
4. ON SOME EXPERIMENTS MADE ON BOARD THE ATLANTIC LINER "DEUTSCHLAND" DURING HER TRIAL TRIP IN JUNE 1900
5. THE INFLUENCE OF DEPTH OF IMMERSION ON THE DISTRIBUTION OF PRESSURE OVER A SUBMERGED MOVING PLATE
6. ON A NEW ASSISTANT CYLINDER
7. THE GEOMETRY OF ENGINE BALANCING
8. ON THE BALANCING OF THE RECIPROCATING PARTS OF ENGINES INCLUDING THE EFFECT OF THE CONNECTING ROD
9. THE MOTION OF SUBMARINE BOATS IN THE VERTICAL PLANE
10. ON A FORM OF DOUBLE-TUBE BOILER
11. MERCANTILE AUXILIARIES
12. CONVERSION AND RE-ARMAMENT OF SHIPS ON THE EFFECTIVE LIST
13. ON THE LIMITS OF ECONOMICAL SPEED OF SHIPS
14. ON FREEBOARD
15. MR. YARROW'S PROPOSAL FOR AN EXPERIMENTAL TANK
16. THE TRANSVERSE STRENGTH OF SHIPS

17. A SOLUTION OF THE VIBRATION PROBLEM
18. STANDARDISING THE RESULTS OF SHIP CALCULATIONS
19. ON SCREW PROPELLERS (ABSTRACTS OF TWO PAPERS BY MONS. S. DRZEWIECKI)
20. ADOPTION OF A RATIONAL SYSTEM OF UNITS IN QUESTIONS OF NAVAL CONSTRUCTION

1902 – Band 44

1. TORPEDO-BOAT DESTROYERS
2. ON THE STRESSES IN A SHIP'S BOTTOM PLATING DUE TO WATER PRESSURE
3. ON LIQUID FUEL FOR SHIPS
4. THE NAVIPENDULAR METHOD OF EXPERIMENTS AS APPLIED TO SOME WARSHIPS OF DIFFERENT CLASSES
5. THE STRAINING ACTIONS ON THE DIFFERENT PARTS OF A CRANK SHAFT ILLUSTRATED BY AN ACTUAL CASE OF A FOUR-CRANKED MARINE SHAFT
6. TORSIONAL VIBRATIONS OF SHAFTS
7. IMPROVEMENTS IN PROPELLER SHAFT BEARINGS
8. RECENT SCIENTIFIC DEVELOPMENTS AND THE FUTURE OF NAVAL WARFARE
9. DISTORTION IN BOILERS DUE TO OVERHEATING
10. ON THE CORROSION OF CONDENSER TUBES AND SEA-WATER CONDUCTORS
11. METHODS OF HANDLING MATERIAL OVER SHIPBUILDING BERTHS IN AMERICAN SHIPYARDS
12. A COMPARISON OF FIVE TYPES OF ENGINES WITH RESPECT TO THEIR INERTIA FORCES AND COUPLES, THEIR INCREASES IN WEIGHT DUE TO THE ADDITION OF BALANCE WEIGHTS AND THE VARIATIONS OF TURNING MOMENT ON THEIR CRANK SHAFTS
13. A NOTE ON SIMPSON'S RULES
14. THE IRONMAKING AND SHIPBUILDING INDUSTRIES IN GERMANY
15. MATERIALS AND MACHINE TOOLS FOR SHIPBUILDING AT THE DÜSSELDORF EXHIBITION
16. THE RIVER RHINE AND THE DEVELOPMENT OF ITS SHIPPING
17. MARINE WIRE ROPES

1903 – Band 45

1. THE EFFECT OF MODERN ACCESSORIES ON THE SIZE AND COST OF WARSHIPS
2. ON THE "LINES" OF FAST CRUISERS
3. THE TRAINING OF ENGINEERS IN THE UNITED STATES
4. ON THE MODIFICATION OF THE MEAN PITCH DUE TO TWISTING THE BLADES IN SCREW PROPELLERS
5. THE LJUNGSTROM CONDENSER AS APPLIED TO MARINE ENGINES
6. THE SCREW AS A MEANS OF PROPULSION FOR SHALLOW DRAUGHT VESSELS
7. THE BALLASTING OF STEAMERS FOR NORTH ATLANTIC VOYAGES
8. MARINE INSTALLATIONS FOR THE CARRIAGE OF REFRIGERATED CARGOES
9. FITTING-OUT WHARF CRANE SERVICE IN AMERICAN SHIPYARDS
10. CORROSION IN METAL PIPES ON BOARD SHIP
11. BELFAST HARBOUR AND ITS DEVELOPMENT
12. FAST COALING SHIPS FOR OUR NAVY
13. ON MERCANTILE CRUISERS FITTED WITH HOUSING PROPELLERS
14. CROSS-CHANNEL STEAMERS
15. REGISTERED TONNAGES AND THEIR RELATION TO FISCAL CHARGES AND DESIGN
16. SOME NEW TYPES OF SUPERHEATERS
17. THE STEAM TURBINE AND ITS APPLICATION TO THE PROPULSION OF VESSELS
18. THE PORT OF DUBLIN

1904 – Band 46

1. THE BATTLESHIPS "TRIUMPH" AND "SWIFTSURE", LATE "LIBERTAD" AND "CONSTITUCION"
2. MERCHANT CRUISERS AND STEAMSHIP SUBSIDIES
3. ON THE ESTABLISHMENT OF AN EXPERIMENTAL TANK FOR RESEARCH WORK ON FLUID RESISTANCE AND SHIP PROPULSION
4. SOME RESULTS OF MODEL EXPERIMENTS
5. ON THE HEELING AND ROLLING OF SHIPS OF SMALL INITIAL STABILITY
6. THE GYROSCOPIC EFFECT OF FLY-WHEELS ON BOARD SHIP
7. ADVANTAGES OF GAS AND OIL ENGINES FOR MARINE PROPULSION

8. THE INTERNAL COMBUSTION ENGINE AS A MEANS OF PROPELLING SMALL VESSELS
9. STEAM TURBINE PROPULSION FOR MARINE PURPOSES
10. SOME POINTS IN CONNECTION WITH THE TRANSVERSE STRENGTH OF SHIPS
11. NORMAL PRESSURES ON THIN MOVING PLATES
12. SHIPS' COMPOSITION
13. FIRE PREVENTION ON BOARD SHIP
14. OBITUARY NOTICES: THE RIGHT HON. EARL OF RAVENSWORTH
15. OBITUARY NOTICES: SIR FREDERICK J. BRAMWELL

1905 – Band 47

1. ON THE DESIGN OF THE ANTARCTIC EXPLORATION VESSEL "DISCOVERY"
2. THE ARMoured CRUISERS "KASUGA" AND "NISSHIN" OF THE IMPERIAL JAPANESE NAVY
3. THE RUSSIAN VOLUNTEER FLEET
4. THE STRENGTH OF SHIPS WITH SPECIAL REFERENCE TO EXPERIMENTS AND CALCULATIONS MADE UPON H.M.S. "WOLF"
5. THE INFLUENCE OF THE PROPORTIONS AND FORM OF SHIPS UPON THEIR LONGITUDINAL BENDING MOMENTS AMONG WAVES
6. SOME EXPERIMENTS ON STRUCTURAL ARRANGEMENTS IN SHIPS
7. MODEL EXPERIMENTS ON HOLLOW VERSUS STRAIGHT LINES IN STILL WATER AND AMONG ARTIFICIAL WAVES
8. THE EFFECT OF ACCELERATION ON SHIP RESISTANCE
9. THE EFFECT OF MOTION AHEAD ON THE ROLLING OF SHIPS
10. SOME RESULTS OF MODEL EXPERIMENTS IN DEEP AND IN SHALLOW WATER
11. MARGINS AND FACTORS OF SAFETY AND THEIR INFLUENCE ON MARINE DESIGNS
12. NOTES ON THE VARIATION OF ANGULAR VELOCITY IN THE SHAFTING OF MARINE ENGINES
13. A METHOD OF PREVENTING VIBRATION IN CERTAIN CLASSES OF STEAMSHIPS
14. THE ADMIRALTY COURSE OF STUDY FOR THE TRAINING OF NAVAL ARCHITECTS
15. SUBMARINE SIGNALLING BY MEANS OF SOUND
16. NAVAL STRATEGY AND TACTICS AT THE TIME OF TRAFALGAR
17. THE SHIPS OF THE ROYAL NAVY AS THEY EXISTED AT THE TIME OF TRAFALGAR

18. THE CLASSIFICATION OF MERCHANT SHIPPING (ILLUSTRATED BY A SHORT HISTORY OF LLOYD'S REGISTER)
19. EXPERIMENTS WITH MODELS OF CONSTANT LENGTH AND FORM OF CROSS SECTIONS, BUT WITH VARYING BREADTHS AND DRAUGHTS
20. EXPERIMENTS ON THE EFFECT OF DEPTH OF WATER ON SPEED, HAVING SPECIAL REFERENCE TO DESTROYERS RECENTLY BUILT
21. DEDUCTIONS FROM RECENT AND FORMER EXPERIMENTS ON THE INFLUENCE OF THE DEPTH OF WATER ON SPEED
22. FRACTURES IN LARGE STEEL BOILER PLATES
23. A COMPARISON OF THE PERFORMANCES OF TURBINES AND RECIPROCATING ENGINES IN THE MIDLAND RAILWAY COMPANY'S STEAMERS
24. NOTES ON THE CAUSES OF ACCIDENTS TO SUBMARINE BOATS AND THEIR SALVAGE

1906 – Band 48

1. THE NEW SCOUTS
2. ON VESSELS CONSTRUCTED FOR SERVICE IN OUR COLONIES AND PROTECTORATES
3. YACHT RACING MEASUREMENT RULES AND THE INTERNATIONAL CONFERENCE
4. THE SPEED OF MOTOR BOATS AND THEIR RATING FOR RACING PURPOSES
5. THE DESIGN AND CONSTRUCTION OF HIGH SPEED MOTOR BOATS
6. GAS ENGINES FOR SHIP PROPULSION
7. THE EFFICIENCY OF SURFACE CONDENSERS
8. NOTES ON THE FREEBOARD RULES
9. THE OVERHEAD WIRE CABLEWAY APPLIED TO SHIPBUILDING
10. THE INTRODUCTION OF CRANES IN SHIPYARDS
11. OIL-TIGHT WORK IN SHIPS OF LIGHT CONSTRUCTION
12. STEAM YACHTS: SOME COMPARISONS

1907 – Band 49

1. THE INFLUENCE OF MACHINERY ON THE GUN POWER OF THE MODERN WARSHIP
2. SAFE SUBMARINE VESSELS AND THE FUTURE OF THE ART
3. ON SOME POINTS OF INTEREST IN CONNECTION WITH THE DESIGN, BUILDING AND LAUNCHING OF THE "LUSITANIA"
4. THE EVOLUTION OF THE MODERN CARGO STEAMER

5. CRANES FOR SHIPBUILDING BERTHS
6. TORSIOMETERS AS APPLIED TO THE MEASUREMENT OF POWER IN TURBINES AND RECIPROCATING ENGINES
7. TORQUE OF PROPELLER SHAFTING: SOME INVESTIGATIONS AND RESULTS
8. PROPELLER STRUTS
9. EXPERIMENTS WITH DR. SCHLICK'S GYROSCOPIC APPARATUS FOR STEADYING SHIPS
10. APPROXIMATE FORMULAE FOR DETERMINING THE RESISTANCE OF SHIPS
11. ON THE APPLICATION OF THE INTEGRAPH TO SOME SHIP CALCULATIONS
12. THE CAUSES AND PREVENTION OF FIRE AT SEA
13. MODERN FLOATING DOCKS
14. SOME PHASES OF THE FUEL QUESTION
15. SOME PRACTICAL POINTS IN THE APPLICATION OF THE MARINE STEAM TURBINE
16. STRUCTURAL DEVELOPMENT IN BRITISH MERCHANT SHIPS
17. FURTHER RESULTS OF SUBMARINE SIGNALLING BY MEANS OF SOUND
18. ON THE USE OF HYDRAULIC RIVETING IN THE CONSTRUCTION OF THE "MAURETANIA"

1908 – Band 50

1. UNSINKABLE AND UNCAPSIZABLE SHIPS OF THE GOULAEFF FORM AND SYSTEM OF CONSTRUCTION
2. MODERN ARMOUR AND ITS ATTACK
3. MODERN TORPEDO BOATS AND DESTROYERS
4. THE COMBINATION SYSTEM OF RECIPROCATING ENGINES AND STEAM TURBINES
5. SPEED TRIALS AND SERVICE PERFORMANCE OF THE CUNARD STEAMER "LUSITANIA"
6. A NEW SYSTEM OF SHIP CONSTRUCTION
7. THE HEATING OF MODERN OCEAN LINERS
8. THE INFLUENCE OF AIR ON VACUUM IN SURFACE CONDENSERS
9. NOTE ON THE USE OF SUPERHEATED STEAM WITH MARINE ENGINES
10. RESULTS OF FURTHER MODEL SCREW PROPELLER EXPERIMENTS
11. AN ANALYSIS OF THE RESISTANCE OF SHIPS

12. A NEW METHOD OF RESEARCH WORK ON FLUID RESISTANCE AND SHIP PROPULSION

13. TWO NOTES ON SHIP CALCULATIONS

14. FACTORS OF SAFETY IN MARINE ENGINEERING

15. THE MODERN DEVELOPMENTS OF THE MARINER'S COMPASS

16. A CONTRIBUTION TO THE HISTORY OF IRONCLADS

1909 – Band 51

1. TYPES OF WARSHIPS OMITTED IN RECENT PROGRAMMES OF NAVAL CONSTRUCTION

2. STANDARDISATION - A REPORT ON THE WORK DONE BY THE ENGINEERING STANDARDS COMMITTEE ON SECTIONS AND TESTS FOR MATERIALS USED IN THE CONSTRUCTION OF SHIPS AND THEIR MACHINERY

3. THE VIBRATIONS OF SHIPS AND THE USE OF A DYNAMICAL MODEL FOR DETERMINING THE ELASTICITY OF SHIPS

4. SOME CONSIDERATIONS ON THE APPLICATION OF INTERNAL COMBUSTION ENGINES FOR MARINE PROPULSION

5. INTERNAL COMBUSTION ENGINES FOR SUBMARINES

6. THE PROPULSION OF SHIPS BY MEANS OF CONTRARY TURNING SCREWS ON A COMMON AXIS

7. NOTES ON A MECHANICAL METHOD FOR DETERMINING THE THRUST OF PROPELLERS

8. DESCRIPTION OF THE SUCTION DREDGER "LEVIATHAN" RECENTLY CONSTRUCTED FOR THE PORT OF LIVERPOOL

9. THE TURBINE PASSENGER STEAMER "BEN-MY-CHREE" AND PRACTICAL EXPERIENCE OF THE PARSONS MARINE STEAM TURBINE

10. EXPLOSIONS OF STEAM PIPES DUE TO WATER HAMMER

11. REPORT OF THE EXPERIMENTAL TANK COMMITTEE (1908), PART I AND PART II

12. ON THE RESISTANCE OF THIN PLATES AND MODELS IN A CURRENT OF WATER

13. SPEED TRIALS OF H.M. TORPEDO-BOAT DESTROYER "COSSACK" AT SKELMORLIE AND THE MAPLIN SANDS

14. THE ACCELERATED MOTION OF BODIES IN WATER WITH SPECIAL APPLICATION TO THE ROLLING OF SHIPS

15. ON LAUNCHING CALCULATIONS WITH SPECIAL REFERENCE TO THE EFFECT OF CAMBER

16. A NOTE ON SHIP GEOMETRY

17. SOME POINTS IN CONNECTION WITH SHIPBUILDING ON THE GREAT LAKES, U.S.A.

18. THE INFLUENCE OF FORM AND BULKHEADS ON THE STRENGTH OF SHIPS

19. DIVERGING WAVES

1910 – Band 52

1. THE BATTLESHIP OF THE FUTURE

2. REPORT ON THE PROGRESS OF THE NATIONAL EXPERIMENTAL TANK

3. AN ACCOUNT OF THE SOCIETY FOR THE IMPROVEMENT OF NAVAL ARCHITECTURE

4. SPECIAL GENERAL MEETING OF THE INSTITUTION OF NAVAL ARCHITECTS TO CONSIDER THE PROPOSED INCORPORATION OF THE INSTITUTION UNDER ROYAL CHARTER

5. EXPERIMENTAL INVESTIGATIONS ON WAKE AND THRUST DEDUCTION VALUES

6. SOME CONSIDERATIONS REGARDING THE PHENOMENA OF PROPULSION

7. MODEL SCREW PROPELLER RESULTS: A COMPARISON

8. A NEW METHOD OF ASCERTAINING THE WEIGHT OF CARGOES ON BOARD SHIP

9. MOTOR LIFEBOATS OF THE ROYAL NATIONAL LIFEBOAT INSTITUTION

10. THE APPLICATION OF THE INTERNAL COMBUSTION ENGINE TO FISHING AND COMMERCIAL VESSELS

11. THE SUBSTITUTION OF THE ELECTRIC MOTOR FOR MARINE PROPULSION

12. THE APPLICATION OF THE MARINE STEAM TURBINE AND MECHANICAL GEARING TO MERCHANT SHIPS

13. NOTES ON THE MEASUREMENT OF SHAFT HORSE-POWER

14. THE BRITTLINESS OF MILD STEEL DUE TO NITROGEN

1911 – Band 53

1. THE PROBLEM OF SIZE IN BATTLESHIPS

2. TWELVE MONTHS' EXPERIENCE WITH GEARED TURBINES IN THE CARGO STEAMER "VESPASIAN"

3. THE NATIONAL EXPERIMENTAL TANK AND ITS EQUIPMENT, PART I

4. DIESEL ENGINES FOR SEA-GOING VESSELS

5. THE INFLUENCE OF LONGITUDINAL DISTRIBUTION OF WEIGHT UPON THE BENDING MOMENTS OF SHIPS AMONG WAVES

6. CONSIDERATIONS AFFECTING LOCAL STRENGTH CALCULATIONS

7. THE ACCELERATION IN FRONT OF A PROPELLER
8. AN INVESTIGATION INTO THE STRESSES IN A SCREW PROPELLER BLADE
9. RESULTS OF TRIALS OF THE ANTI-ROLLING TANKS AT SEA
10. STEERING-GEAR EXPERIMENTS ON THE TURBINE YACHT "ALBION"
11. DESCRIPTION OF A STABILITY AND TRIM INDICATOR
12. GENERAL PROPOSITIONS AND DIAGRAMS RELATING TO THE BALANCING OF THE FOUR-CYLINDER MARINE ENGINE
13. THE DETERMINATION BY PHOTO-ELASTIC METHODS OF THE DISTRIBUTION OF STRESS IN PLATES OF VARIABLE SECTION WITH SOME APPLICATION TO SHIPS' PLATING
14. NOTES ON A NEW DESIGN OF MERCHANT VESSEL
15. THE HISTORY OF THE INSTITUTION OF NAVAL ARCHITECTS AND OF SCIENTIFIC EDUCATION IN NAVAL ARCHITECTURE
16. FIFTY YEARS' ARCHITECTURAL EXPRESSION OF TACTICAL IDEAS
17. PROGRESS OF NAVAL CONSTRUCTION IN JAPAN
18. RESULTS OF EXPERIMENTAL TANK TESTS ON MODELS OF SUBMARINES
19. THE RATIONAL APPLICATION OF TURBINES TO THE PROPULSION OF WARSHIPS
20. THE MARINE STEAM TURBINE FROM 1894 TO 1910
21. FIFTY YEARS' CHANGES IN BRITISH WARSHIP MACHINERY
22. OUR PRESENT KNOWLEDGE OF THE VIBRATION PHENOMENA OF STEAMERS
23. THE DEVELOPMENT OF MERCHANT SHIPBUILDING IN JAPAN
24. FIFTY YEARS' DEVELOPMENTS IN MERCANTILE SHIP CONSTRUCTION
25. SHIPPING ON THE GREAT LAKES
26. RECENT DEVELOPMENTS IN THE SEA TRANSPORTATION OF SWEDISH ORE
27. REMARKS ON THE DESIGN AND SERVICE PERFORMANCE OF THE TRANSPACIFIC LINERS "TENYO MARU" AND "CHIYO MARU"
28. PROGRESS OF NAVAL ENGINEERING IN JAPAN
29. THE SCIENTIFIC STUDY OF NAVAL ARCHITECTURE IN GERMANY
30. SOME FURTHER NOTES ON CAVITATION
31. NOTES ON THE COLLAPSING OF CARVED BEAMS AND CURVED ELASTIC STRIPS
32. FIFTY YEARS' PROGRESS IN SHIPBUILDING IN ITALY

33. NOTES ON PROGRESS IN NAVAL ARTILLERY (1860 TO 1910)
34. WARSHIP BUILDING (1860 TO 1910)
35. ARMOUR FOR SHIPS (1860 TO 1910)

1912 – Band 54

1. SOME MILITARY PRINCIPLES WHICH BEAR ON WARSHIP DESIGN
2. TURNING CIRCLES
3. THE LAW OF COMPARISON FOR SURFACE FRICTION AND EDDY-MAKING RESISTANCES IN FLUIDS
4. THE WILLIAM FROUDE NATIONAL TANK, PART II
5. RESULTS OF TRIALS OF THE DIESEL-ENGINED SEA-GOING VESSEL "SELANDIA"
6. GAS POWER FOR SHIP PROPULSION
7. THE EFFECT OF BILGE KEELS ON THE ROLLING OF LIGHTSHIPS
8. RESULTS OF CALCULATIONS REGARDING THE EFFECT OF AN INTERNAL FREE FLUID UPON THE INITIAL STABILITY AND THE STABILITY AT LARGE ANGLES IN SHIPS OF VARIOUS FORMS
9. THE SOLIGNAC-GRILLE BOILER AND ITS APPLICATION IN FRENCH CHANNEL STEAMERS
10. RESULTS OF EXPERIMENTS WITH A WATER-TUBE BOILER WITH SPECIAL REFERENCE TO SUPERHEATING
11. THE GEARED TURBINE CHANNEL STEAMERS "NORMANNIA" AND "HANTONIA"
12. PERFORMANCE ON SERVICE OF THE CHANNEL STEAMER "NEWHAVEN"
13. THE MEASUREMENT AND AUTOMATIC RECORDING OF DEAD RECKONING
14. DESCRIPTION OF A TIDE INDICATOR
15. THE ARRANGEMENT OF BOAT INSTALLATIONS ON MODERN SHIPS
16. TORSIONAL VIBRATIONS OF ELASTIC SHAFTS OF ANY CROSS SECTION AND MASS DISTRIBUTION AND THEIR APPLICATION TO THE VIBRATION OF SHIPS
17. LOAD-EXTENSION DIAGRAMS OBTAINED PHOTOGRAPHICALLY WITH AN AUTOMATIC SELF-CONTAINED OPTICAL LOAD-EXTENSION INDICATOR
18. OBITUARY NOTICES:
 - ADMIRAL THE RIGHT HONOURABLE SIR JOHN DALRYMPLE HAY
 - REAR-ADMIRAL G. MELVILLE, U.S.N.
 - MR. JAMES DUNN
 - MR. JOHN WARD
 - MONSIEUR EDOUARD WIDMANN

1913 – Band 55

1. RECENT DEVELOPMENTS IN BATTLESHIP TYPE
2. THE INFLUENCE OF AIR PUMPS ON THE MILITARY EFFICIENCY OF TURBINE-DRIVEN WARSHIPS
3. MECHANICAL GEARING FOR THE PROPULSION OF SHIPS
4. COMPRESSED AIR FOR WORKING AUXILIARIES IN SHIPS PROPELLED BY INTERNAL COMBUSTION ENGINES
5. THE ENERGY SYSTEMS ACCOMPANYING THE MOTION OF BODIES THROUGH AIR AND WATER
6. THE CALCULATION OF STABILITY IN NON-INTACT CONDITIONS
7. NOTES ON MODERN AIRSHIP CONSTRUCTION
8. THE LONGITUDINAL STABILITY OF SKIMMERS AND HYDRO-AEROPLANES
9. ON LARGE DECK HOUSES
10. METHODICAL EXPERIMENTS WITH MERCANTILE SHIP FORMS
11. LAUNCHING DECLIVITIES FOR SHIPS AND THEIR INFLUENCE UPON POPPET AND WAY-END PRESSURES
12. STRESSES IN STAYED CYLINDRICAL SHELLS
13. THE DISTRIBUTION OF STRESS DUE TO A RIVET IN A PLATE
14. STRESSES IN A PLATE DUE TO THE PRESENCE OF CRACKS AND SHARP CORNERS
15. ON SHIPBUILDING CONTRACTS
16. ON SAFETY OF LIFE AT SEA
17. NOTE ON SOME CASES OF "FATIGUE" IN THE STEEL MATERIAL OF STEAMERS
18. EFFECT OF FORM AND SIZE ON THE RESISTANCE OF SHIPS
19. EXPERIMENTS ON "SUCTION" OR INTERACTION BETWEEN PASSING VESSELS
20. EXPERIMENTAL DETERMINATION OF THE EFFECT OF INTERNAL LOOSE WATER UPON THE ROLLING OF A SHIP AMONGST A REGULAR SERIES OF WAVES
21. THE EFFECT OF WATER-CHAMBERS ON THE ROLLING OF SHIPS
22. ON THE CRITERION FOR THE OCCURRENCE OF CAVITATION
23. ON THE TRIALS OF THREE FERRY STEAMERS PROPELLED BY GEARED TURBINES
24. A DEVICE TO FACILITATE THE COUPLING OF CRUISING TURBINES
25. PERFORMANCE ON SERVICE OF THE MOTOR SHIP "SUECIA"

26. A CASE FOR ELECTRIC PROPULSION

1914 – Band 56

1. SOME QUESTIONS RELATING TO BATTLESHIP DESIGN
2. FURTHER EXPERIMENTS UPON WAKE AND THRUST DEDUCTION
3. MODEL EXPERIMENTS ON THE RESISTANCE OF MERCANTILE SHIP FORMS
4. PRESENT POSITION OF DIESEL ENGINES FOR MARINE PURPOSES
5. RESULTS OF TRIALS MADE ON A SMALL DIESEL ENGINE IN WHICH ACCURATE INDICATOR DIAGRAMS WERE OBTAINED BY MEANS OF A NEW FORM OF OPTICAL INDICATOR
6. THE USE OF SUPERHEATERS AND SUPERHEATED STEAM IN MERCANTILE STEAMERS
7. THE ELASTICITY AND ENDURANCE OF STEAM PIPES
8. NOTE ON THE FOSTER STRAINMETER AND SOME DATA OBTAINED THEREWITH
9. A TORSIONMETER WITH VISIBLE SCALE
10. ON THE DESIGN OF STEAMSHIPS FROM THE OWNER'S POINT OF VIEW
11. THE STABILITY OF SHIPS IN DAMAGED CONDITIONS
12. SAFE STABILITY AND THE ECONOMICAL USE OF WATER BALLAST IN SHIPS
13. FURTHER RESULTS OF RESEARCH WORK IN CONNECTION WITH THE POST-GRADUATE SCHOLARSHIP IN NAVAL ARCHITECTURE
14. AN INSTRUMENT FOR THE MEASUREMENT OF VELOCITY OF ROLL
15. ON THE PROTECTION OF BATTLESHIPS AGAINST SUBMARINE ATTACK
16. RECENT DEVELOPMENT OF THE HYDRAULIC TRANSFORMER
17. SHIPBUILDING PRACTICE OF THE PRESENT AND FUTURE
18. SOME NOTES ON THE DESIGN OF FLOATS FOR HYDRO-AEROPLANES
19. FINAL REPORT OF WORK DONE IN CONNECTION WITH THE POST-GRADUATE RESEARCH SCHOLARSHIP IN NAVAL ARCHITECTURE

1915 – Band 57

1. THE WATERTIGHT SUBDIVISION OF SHIPS
2. THE INCREASE OF SAFETY AFFORDED BY A WATERTIGHT DECK

3. THE INFLUENCE OF DISCHARGING APPLIANCES ON THE DESIGN OF LARGE ORE CARRIERS
4. THE SCANTLINGS OF LIGHT SUPERSTRUCTURES
5. THE STRENGTH AND SPACING OF TRANSVERSE FRAMES
6. A CONTRIBUTION TO THE THEORY OF PROPULSION AND THE SCREW PROPELLER
7. A COMPARISON BETWEEN THE RESULTS OF PROPELLER EXPERIMENTS IN AIR AND WATER
8. FURTHER MODEL EXPERIMENTS ON THE RESISTANCE OF MERCANTILE SHIP FORMS AND THE INFLUENCE OF LENGTH AND PRISMATIC COEFFICIENT ON THE RESISTANCE OF SHIPS
9. THE LAW OF FATIGUE APPLIED TO CRANKSHAFT FAILURES
10. THE EFFECT OF BEAM ON THE SPEED OF HYDROPLANES
11. NOTES ON CROSS CURVES AND GZ CURVES OF STABILITY

1916 – Band 58

1. THE LOAD LINES OF MERCHANT SHIPS: WORK OF THE LOAD LINE COMMITTEE (1915)
2. SOME QUESTIONS IN CONNECTION WITH THE WORK OF THE LOAD LINE COMMITTEE
3. THE LAWS OF SKIN FRICTION OF A FLUID IN STREAM LINE AND IN TURBULENT MOTION ALONG A SOLID OF GREAT LENGTH
4. SKIN FRICTION RESISTANCE OF SHIPS AND OUR USEFUL KNOWLEDGE OF THE SUBJECT
5. EXPERIMENTS TO DETERMINE THE RESISTANCE OF BILGE-KEELS TO ROLLING
6. AN EXPERIMENTAL TANK REPRODUCING WAVE MOTION
7. NOTE ON ECHELON WAVES
8. A BRIEF SUMMARY OF THE PRESENT POSITION OF THE MARINE DIESEL ENGINE AND ITS POSSIBILITIES
9. ON THE CO-ORDINATION OF PROPELLER RESULTS
10. NOTE ON MAXIMUM PROPULSIVE EFFICIENCY OF SCREW PROPELLERS
11. SUBDIVISION OF MERCHANT VESSELS: REPORTS OF THE BULKHEAD COMMITTEE, 1912-15
12. STRENGTH OF WATERTIGHT BULKHEADS
13. SOME EFFECTS OF THE BULKHEAD COMMITTEE'S REPORTS IN PRACTICE
14. NOTES FROM A COLLISION INVESTIGATION

15. SHIPYARD CRANES OF THE ROTTERDAM DOCKYARD COMPANY

1917 – Band 59

1. STANDARDISATION AS APPLIED TO THE MACHINERY FOR CARGO BOATS
2. ON A METHOD OF OBTAINING FOR SHIP DESIGN THE SPACING OF BULKHEADS ACCORDING TO THE RULES OF THE INTERNATIONAL CONVENTION
3. STRESS DETERMINATION IN A FLAT PLATE
4. THE CLOSING OF SIDE APERTURES IN SHIPS FROM THE BRIDGE
5. DESCRIPTION OF AN APPARATUS FOR INTERPRETING STABILITY FOR THE USE OF SHIPMASTERS
6. STRENGTH AND INNER STRUCTURE OF MILD STEEL
7. THE DESIGN OF PIN JOINTS BASED ON ULTIMATE STRENGTH
8. FURTHER EXPERIMENTS UPON WAKE AND THRUST DEDUCTION
9. SOME EXPERIMENTS ON THE INFLUENCE OF RUNNING BALANCE OF PROPELLERS ON THE VIBRATION OF SHIPS
10. THEORY OF WAVE MOTION ON WATER
11. MARINE APPLICATIONS OF REDUCTION GEARS OF FLOATING FRAME TYPE
12. ON LAUNCHING
13. BUOYANCY AND STABILITY OF SUBMARINES

1918 – Band 60

1. STANDARD CARGO SHIPS
2. THE MOST SUITABLE SIZES AND SPEEDS FOR GENERAL CARGO STEAMERS
3. PROBLEMS OF THE FUTURE IN THE DESIGN AND CONSTRUCTION OF MERCHANT SHIPS
4. SOME NOTES ON THE IMPORTANCE OF RESEARCH IN MARINE ENGINEERING
5. THE EFFECT OF THE LONGITUDINAL MOTION OF A SHIP ON ITS STATICAL TRANSVERSE STABILITY
6. THE IRON CARBON EQUILIBRIUM DIAGRAM AND ITS PRACTICAL USEFULNESS
7. STRESS DISTRIBUTION IN BOLTS AND NUTS
8. A PRELIMINARY SURVEY OF THE POSSIBILITIES OF REINFORCED CONCRETE AS A MATERIAL FOR SHIP CONSTRUCTION

9. REINFORCED CONCRETE VESSELS

10. ON THE DESIGN AND CONSTRUCTION OF A SELF-PROPELLED REINFORCED CONCRETE SEA-GOING CARGO STEAMER NOW BUILDING IN GREAT BRITAIN

11. AN INVESTIGATION OF THE SHEARING FORCE AND BENDING MOMENT ACTING ON THE STRUCTURE OF A SHIP INCLUDING DYNAMIC EFFECTS

12. THE AIR SUPPLY TO BOILER ROOMS

1919 – Band 61

1. SHIPS OF THE BRITISH NAVY ON AUGUST 4, 1914, AND SOME MATTERS OF INTEREST IN CONNECTION WITH THEIR PRODUCTION

2. NAVAL CONSTRUCTION DURING THE WAR

3. THE NAVAL CONSTRUCTION CORPS OF THE UNITED STATES NAVY

4. THE WORK OF THE BRITISH MARINE ENGINEERING DESIGN AND CONSTRUCTION COMMITTEE

5. ITALIAN TWO-FLOODABLE-COMPARTMENT CARGO STEAMERS

6. SOME RECENT DEVELOPMENTS TOWARDS A SIMPLIFICATION OF MERCHANT SHIP CONSTRUCTION

7. THE DEVELOPMENT OF AIRSHIP CONSTRUCTION

8. CONCRETE SHIPBUILDING IN THE UNITED STATES OF AMERICA

9. INVESTIGATIONS INTO THE CAUSES OF CORROSION OR EROSION OF PROPELLERS

10. THE MICHELL THRUST BLOCK

11. SOME EXPERIENCES WITH ELECTRIC WELDING IN WARSHIPS

12. FURTHER EXPERIMENTS ON STRESS DETERMINATION IN FLAT STEEL PLATES

13. THE TONNAGE OF MODERN STEAMSHIPS

14. MODEL EXPERIMENTS ON THE EFFECT OF BEAM ON THE RESISTANCE OF MERCANTILE SHIP FORMS

15. SOME EXPERIMENTS ON FULL CARGO SHIP MODELS

1920 – Band 62

1. H.M.S. "HOOD"

2. GERMAN SUBMARINES

3. MODEL EXPERIMENTS IN CONNECTION WITH SUBMARINE WARFARE

4. NOTES ON OUR ECONOMIC POSITION AS A SHIPBUILDING COUNTRY
5. FURTHER NOTES ON THE DIMENSIONS OF CARGO STEAMERS
6. FREEBOARD AND STRENGTH OF SHIPS
7. THE STABILISATION OF SHIPS BY MEANS OF GYROSCOPES
8. YAWING OF SHIPS CAUSED BY OSCILLATION AMONGST WAVES
9. THE EFFECT OF SIZE UPON PERFORMANCE OF RIGID AIRSHIPS
10. THE EFFECTS OF HOLES, CRACKS AND OTHER DISCONTINUITIES IN SHIPS' PLATING
11. EXPERIENCE AND PRACTICE IN MECHANICAL REDUCTION GEARS IN WARSHIPS
12. THE BALANCING OF ROTORS AND DETERMINING THE POSITION AND AMOUNT OF THE BALANCING WEIGHTS
13. TURBULENT FLUID MOTION AND SKIN FRICTION
14. THE FUNCTIONS OF THE MERCHANT SHIP
15. SOME FEATURES IN THE DESIGN AND CONSTRUCTION OF MERCANTILE VESSELS CONSIDERED IN THE LIGHT OF RECENT WAR EXPERIENCE
16. SAFETY OF LIFE AT SEA
17. SUBDIVISION OF PASSENGER VESSELS
18. SOME EXPERIMENTAL WORK IN CONNECTION WITH DIESEL ENGINES
19. COMPARATIVE TRIALS OF "STILL" AND "SULZER" ENGINES UNDER ACTUAL WORKING CONDITIONS ON BOARD SHIP
20. THE EFFICIENCY OF PROPULSION OF FULL-SIZED SHIPS

1921 – Band 63

1. NOTES ON SOME FEATURES OF GERMAN WARSHIP CONSTRUCTION
2. THE EX-GERMAN BATTLESHIP "BADEN"
3. THE STRENGTH OF SUBMARINE VESSELS
4. MECHANICAL GEARS OF DOUBLE REDUCTION FOR MERCHANT SHIPS
5. LIFE-SAVING APPLIANCES ON CARGO AND PASSENGER VESSELS
6. THE DESIGN OF BALANCED RUDDERS OF THE SPADE TYPE
7. THE STANDARDIZATION OF DATA FOR AIRSHIP CALCULATIONS
8. A STUDY OF THE FRAMING OF A SHIP
9. ON THE SPACING OF TRANSVERSE BULKHEADS

10. NOTES ON DEFLECTIONS OF BULKHEADS AND OF SHIPS

11. SOME EXPERIMENTS ON TALLOWES USED FOR LAUNCHING SHIPS

1922 – Band 64

1. MERCHANT SHIPPING AND WORLD COMMERCE IN RELATION TO SEA-POWER

2. THREE STEPS IN NAVAL CONSTRUCTION: "KING EDWARD VII." – "LORD NELSON" – "DREADNOUGHT"

3. EXPERIMENTS ON MERCANTILE SHIP MODELS IN WAVES

4. NODAL ARRANGEMENTS OF GEARED DRIVES

5. DOUBLE REDUCTION GEARS IN THE S.S. "MELMORE HEAD"

6. A METHOD OF DETERMINING THE NATURAL PERIODS OF VIBRATION OF SHIPS

7. POSSIBILITIES OF FURTHER ECONOMY IN MARINE BOILERS

8. THE METERING OF STEAM

9. DIESEL MACHINERY FOR SINGLE-SCREW MOTOR SHIPS

10. LONGITUDINAL STRENGTH OF CARGO VESSELS AND ITS VARIATION WITH FULLNESS OF FORM

11. SOME SPECIAL CASES OF TWO DIMENSIONAL STRESS OR STRAIN

12. THE ECONOMIC EFFICIENCY OF MERCHANT SHIPS

13. RECENT DEVELOPMENTS IN MOTOR LIFE-BOATS

14. THE TENDENCY OF WARSHIP DESIGN AS AFFECTED BY THE WAR

15. SOME OF THE CONSEQUENCES OF THE WASHINGTON CONFERENCE WITH REGARD TO NAVAL CONSTRUCTION

16. STABILITY OF LARGE SHIPS

17. SOME POINTS OF INTEREST IN CONNECTION WITH THE TESTING OF MATERIALS FOR SHIPBUILDING

18. FURTHER EXPERIMENTS ON CONTRARY-TURNING CO-AXIAL SCREW-PROPELLERS

19. PROPORTIONS AND BLOCK COEFFICIENTS OF MERCHANT STEAMERS

1923 – Band 65

1. NOTES ON THE PRESERVATION OF H.M. "VICTORY" AND HER RESTORATION TO HER TRAFALGAR CONDITION

2. A PROPOSED AIRCRAFT CARRYING MAIL STEAMER
3. COASTAL MOTOR BOATS ("C.M.B."): THEIR DESIGN AND SERVICE DURING THE WAR
4. REMARKS ON SOME OF THE PRESENT-DAY PROBLEMS IN THE DESIGN OF SHIPS
5. MECHANICAL GEARING
6. ELECTRIC SHIP PROPULSION
7. MODEL SCREW PROPELLER EXPERIMENTS WITH MERCANTILE SHIP FORMS
8. THE POWERING OF MOTOR SHIPS
9. THE BEHAVIOUR OF STIFFENED THIN PLATING UNDER WATER PRESSURE
10. FURTHER EXPERIMENTS ON LARGE SIZE RIVETED JOINTS
11. THE INFLUENCE OF FORM UPON THE STABILITY AND PROPULSION OF PASSENGER SHIPS
12. EFFECT OF VARIATIONS IN LOADING ON LONGITUDINAL STRUCTURAL STRESSES IN SHIPS
13. GRAPHICAL TRIM CALCULATION AND A TRIM NOMOGRAM
14. NOTES ON THE CURVES AND FORMULAE FOR REGULATING THE WATERTIGHT SUB-DIVISION OF PASSENGER SHIPS
15. THE SUBDIVISION OF LARGE PASSENGER STEAMERS
16. DUTCH RIVER LIGHTERS
17. STEAM TURBINES FOR MARINE PROPULSION IN HOLLAND
18. A FEW RESULTS FROM PRACTICAL EXPERIENCE WITH MECHANICAL STOKERS APPLIED TO MARINE WATER-TUBE BOILERS
19. INTERNAL-COMBUSTION ENGINES EXHAUSTING INTO LOW-PRESSURE TURBINES
20. THE THEORY OF BENDING

1924 – Band 66

1. STRATEGICAL AND TACTICAL CONSIDERATIONS GOVERNING WARSHIP DESIGN
2. THE FUTURE OF SEA TRANSPORT
3. THE DEVELOPMENT OF THE AIRSHIP WITH SPECIAL REFERENCE TO TRANSPORT
4. SEA-BORNE COASTAL TRADE
5. RESULTS OF SOME ROLLING EXPERIMENTS ON SHIP MODELS
6. ON THE DRIFT OF SHIPS CAUSED BY ROLLING AMONG WAVES

7. THE APPLICATION OF THE STEAM TURBINE FOR AUXILIARY MACHINERY
8. HIGH ELASTIC LIMIT MILD STEEL AND ITS GENERAL APPLICATIONS
9. FURTHER EXPERIMENTAL WORK ON DIESEL ENGINES
10. VIBRATION OF SHIPS
11. ON THE TORSION OF SHIPS
12. THE EFFECT OF WIND AND WAVES ON THE PROPULSION OF SHIPS
13. ON THE EFFECT OF LENGTH ON THE SKIN FRICTION OF FLAT SURFACES
14. SKIN FRICTION RESISTANCE AND THE LAW OF COMPARISON
15. THE ANALYSIS OF SHIP RESISTANCE
16. SHIP DESIGN
17. ADVANCED NAVAL BASES
18. STEERING OF SHIPS IN SHALLOW WATER AND CANALS
19. PASSENGER SHIP DESIGN FROM AN INDEPENDENT POINT OF VIEW
20. PROGRESS IN MARINE PROPULSION DURING THE LAST TEN YEARS AND SOME OF ITS POSSIBILITIES
21. A NEW TYPE OF DOUBLE-ACTING DIESEL ENGINE FOR MARINE PURPOSES
22. DISPLACEMENT-DRAUGHT FORMULAE

1925 – Band 67

1. RELATIVE COMMERCIAL EFFICIENCY OF INTERNAL-COMBUSTION AND STEAM ENGINES FOR HIGH SPEED PASSENGER VESSELS
2. JAPAN'S CONTRIBUTION TO NAVAL ARCHITECTURE
3. ANALYSIS OF SIR JOHN H. BILES'S EXPERIMENTS ON H.M.S. "WOLF" IN THE LIGHT OF PIETZKER'S THEORY
4. WAKE PROPELLER COEFFICIENTS
5. FORM EFFECTS AND FORM RESISTANCE OF SHIPS
6. SKIN FRICTION COMMITTEE'S REPORT
7. A SUGGESTED METHOD OF INCREASING THE EFFICIENCY OF THE SCREW PROPELLER
8. STRESSES IN RECTANGULAR PLATES CLAMPED AT THEIR EDGES AND LOADED WITH A UNIFORMLY DISTRIBUTED PRESSURE
9. NOTES ON THE ROLLING OF SHIPS

10. MODEL EXPERIMENTS WITH ANTI-ROLLING TANKS
11. SECOND REPORT OF THE MARINE OIL-ENGINE TRIALS COMMITTEE - TRIALS OF THE T.S.M.V. "DOLIUS"
12. TONNAGE LEGISLATION AND ITS APPLICATION TO THE MEASUREMENT OF SHIPS
13. THE INFLUENCE OF TRADING CONDITIONS ON THE DESIGN OF INTERMEDIATE PASSENGER VESSELS
14. STABILITY AND SEAWORTHINESS
15. THE PROPULSIVE PERFORMANCE OF THE CORRUGATED SHIP

1926 – Band 68

1. THE PRESENT OUTLOOK FOR BRITISH SHIPBUILDING
2. LAUNCHING ARRANGEMENTS OF H.M.S. "NELSON" AND "RODNEY"
3. TEMPERATURE VARIATION AND HEAT STRESSES IN DIESEL ENGINES
4. COMPARATIVE FREIGHT ECONOMICS OF A CARGO VESSEL WITH RECIPROCATING AND WITH DIESEL MACHINERY
5. PROPELLER DIMENSION FORMULAE BASED ON MR. R. E. FROUDE'S MODEL SCREW EXPERIMENTS
6. SOME EXPERIMENTS UPON THE SKIN FRICTION OF SMOOTH SURFACES
7. EXPERIMENTS ON MERCANTILE SHIP MODELS IN WAVES
8. SHIP WAVE RESISTANCE: A COMPARISON OF MATHEMATICAL THEORY WITH EXPERIMENTAL RESULTS
9. HIGH-PRESSURE WATER-TUBE BOILERS FOR MARINE PURPOSES
10. SOME RECENT MODIFICATIONS TO WATER-TUBE BOILERS OF THE THREE-DRUM TYPE FITTED IN H.M. NAVY
11. ON THE METHOD USED IN H.M. SHIPS FOR READILY CORRECTING HEEL AND TRIM
12. THE CRANE EQUIPMENT OF SHIPBUILDING BERTHS
13. THE BELGIAN MERCANTILE MARINE
14. THE RELATIVE COMMERCIAL EFFICIENCY OF STEAM TURBINE AND DIESEL MACHINERY FOR CARGO VESSELS
15. INCLINING EXPERIMENTS WITH SHIPS OF SMALL OR NEGATIVE STABILITY
16. THE PORT OF ANTWERP
17. OIL SEPARATORS FOR BILGE AND BALLAST WATER
18. SOME SHIP STRAIN OBSERVATIONS WITH A SIMPLE INSTRUMENT

1927 – Band 69

1. SOME INVESTIGATIONS INTO THE CAUSE OF EROSION OF THE TUBES OF SURFACE CONDENSERS
2. A CHARACTERISTIC ENERGY DIAGRAM FOR AN OIL ENGINE AND THE MARINE OIL ENGINE TRIALS
3. NOTES ON THE DESIGN OF COASTERS
4. THE FUTURE OF SAILING VESSELS FITTED WITH AUXILIARY MOTORS
5. DESIGN AND CONSTRUCTION OF HIGH-SPEED MOTOR BOATS
6. PROPULSION OF SHIPS UNDER DIFFERENT WEATHER CONDITIONS
7. NOTES ON THE EFFECT OF WIND ON POWER AND SPEED
8. SHIP RESISTANCE SIMILARITY
9. SHIP WAVE RESISTANCE - A COMPARISON OF MATHEMATICAL THEORY WITH EXPERIMENTAL RESULTS, PART II
10. SHIPS FROM PEPYS'S MANUSCRIPTS
11. THE PROPULSIVE EFFICIENCY OF ROWING
12. PULVERISED FUEL FOR MARINE PURPOSES
13. THE ANALYSIS OF SCREW PROPELLER EFFICIENCY WITH PARTICULAR REFERENCE TO FROUDE'S METHOD
14. AVERAGE SEA SPEEDS OF SHIPS UNDER WINTER WEATHER CONDITIONS
15. DEFORMATIONS AND STRESS DISTRIBUTION IN RIGID AIRSHIPS

1928 – Band 70

1. THE PRESENT POSITION OF THE QUESTION OF FUEL FOR SHIPS
2. BENDING AND LOADING OF SHIPS
3. A NOTE ON EXPERIMENTAL DIESEL ENGINES
4. THE DESIGN AND PROPULSION OF FAST DOUBLE-ENDED SCREW VESSELS WITH SPECIAL REFERENCE TO THE SYDNEY PASSENGER VESSELS "DEE WHY" AND "CURL CURL"
5. FURTHER NOTES ON THE RELATIVE STRENGTH OF FINE AND FULL CARGO VESSELS
6. AN EXPERIMENTAL COMPARISON OF THE PERFORMANCE OF MODEL PROPELLERS WORKING IN AIR AND IN WATER

7. STRESSES IN THE HULLS OF STRANDED VESSELS
8. THE EFFECTIVE I OF H.M.S. "WOLF"
9. SOME MODERN DEVELOPMENTS IN RIGID AIRSHIP CONSTRUCTION
10. EXPERIMENTS ON THE PROPULSION OF A SINGLE-SCREW SHIP MODEL
11. THE VORTEX THEORY OF PROPELLERS AND ITS APPLICATION TO THE WAKE CONDITIONS EXISTING BEHIND A SHIP
12. CAVITATION
13. STATISTICAL ANALYSIS OF VOYAGE ABSTRACTS

1929 – Band 71

1. H.M. BATTLESHIPS NELSON AND RODNEY
2. SEA TRIALS OF ITALIAN DESTROYERS
3. THE PROPULSION OF SHIPS BY MODERN STEAM MACHINERY
4. SOME CONSIDERATIONS REGARDING INTERNATIONAL LOADLINE REGULATIONS
5. NEW RESULTS OBTAINED IN MEASURING FRICTIONAL RESISTANCE
6. THE PRACTICAL USE OF THE FIRST BRITISH BUILT BAUER-WACH EXHAUST STEAM TURBINE INSTALLATION IN THE BOOTH LINER "BONIFACE"
7. NATURAL FREQUENCIES AND MODES OF VIBRATION IN BEAMS OF NON-UNIFORM MASS AND SECTION
8. THE BEHAVIOUR OF STIFFENED THIN PLATING UNDER WATER PRESSURE
9. POWDERED COAL FOR SHIPS
10. THE MODERN DEVELOPMENTS OF THE WATER-TUBE BOILER FOR MARINE PURPOSES
11. SUGGESTED MODIFICATIONS TO MARINE WATER-TUBE BOILERS
12. MOTOR LIFE-BOATS OF THE ROYAL NATIONAL LIFE-BOAT INSTITUTION
13. ATLANTIC LINERS
14. SHIP DESIGN AND ARRANGEMENTS FROM THE PASSENGER'S POINT OF VIEW
15. BREADTH, DRAUGHT AND INITIAL STABILITY OF SHIPS
16. THE RELATION BETWEEN ARMAMENT AND PROTECTION IN THE 10,000-TON CRUISERS AND THE "ERSATZ-PREUSSEN"
17. THE SEPARATION OF DISSOLVED AIR CAUSED BY PROPELLER ACTION
18. OIL FILMS AND BEARINGS

1930 – Band 72

1. SAFETY OF LIFE AT SEA. (1929 CONFERENCE)
2. SOME MATERIALS USED FOR NAVAL ENGINEERING PURPOSES
3. RECENT RESULTS OBTAINED IN SERVICE WITH THE HIGH-PRESSURE STEAM INSTALLATION OF THE HOLLAND-AMERICA LINER "STATENDAM"
4. THE PERFORMANCE OF TWO VESSELS WITH ELECTRIC TRANSMISSION GEAR
5. ON THE FINAL STATE OF A GAS DISCHARGED FROM A RESERVOIR INTO A SPACE UNDER CONSTANT PRESSURE
6. NOTES ON THE BEHAVIOUR OF TWO PASSENGER VESSELS DURING A VOYAGE TO AND FROM AUSTRALIA
7. THE STABILITY OF A VESSEL WITH A LIST
8. STRESS DISTRIBUTIONS IN NOTCHED BEAMS AND THEIR APPLICATION
9. CAUSES AND PREVENTION OF VIBRATION IN MOTOR-SHIPS
10. VIBRATION OF SHIPS
11. SEA TRIALS OF ITALIAN FLOTILLA LEADERS
12. EXPERIMENTS ON THE RESISTANCE AND FORM OF TOWED BARGES
13. SHIP WAVE RESISTANCE - SOME FURTHER COMPARISONS OF MATHEMATICAL THEORY AND EXPERIMENT RESULT
14. SOME CONSIDERATIONS ON THE ECONOMICS OF CARGO LINERS
15. MECHANISATION OF AIRSHIP HANDLING
16. TRIAL TRIP PERFORMANCES OF THREE SIMILAR SHIPS WITH SPECIAL REFERENCE TO RUDDER EFFECT
17. THE EFFECT OF GROWTH IN SIZE OF CARGO SHIPS ON DOCKS AND THEIR EQUIPMENT WITH ESPECIAL REFERENCE TO LIVERPOOL DOCKS
18. A NOTE ON THE DIRECT MEASUREMENT OF THE VIRTUAL MASS OF SHIP MODELS
19. MODEL EXPERIMENTS ON THE WIND RESISTANCE OF SHIPS

1931 – Band 73

1. BRITISH SEA-POWER, 1900-1930
2. THE MAIERFORM OF HULL CONSTRUCTION
3. THE ESTABLISHMENT OF AN INTERNATIONAL LOAD LINE

4. INTERNATIONAL LOAD LINES
5. SEAWORTHINESS OF COLLIER TYPES
6. A NEW THEORY OF THE DISTRIBUTION OF SHEARING STRESSES IN RIVETED AND WELDED CONNECTIONS AND ITS APPLICATION TO DISCONTINUITIES IN THE STRUCTURE OF A SHIP
7. FURTHER MODEL EXPERIMENTS ON THE RESISTANCE OF MERCANTILE SHIP FORMS - COASTER VESSELS
8. THE PRESENT POSITION OF THE DIESEL ENGINE FOR MARINE PURPOSES
9. WATER-TUBE BOILERS IN SOME RECENT MERCHANT SHIPS WITH SERVICE RESULTS
10. SOME MODERN EXAMPLES OF AIR HEATERS
11. BEAM-FRAME CONNECTIONS
12. THE DRAUGHT AND DIMENSIONS OF THE MOST ECONOMICAL SHIP
13. NOTE ON SOME RESEARCHES AND TENDENCIES OF CONTEMPORARY NAVAL CONSTRUCTION
14. THE EFFECT OF ROUGH WATER ON THE PROPULSION OF SINGLE-SCREW SHIPS
15. TECHNIQUE AND USE OF AIRCRAFT AND THEIR RELATION TO NAVAL TECHNIQUE
16. THE EFFECT OF MODERN MACHINERY ON THE DESIGN OF LARGE SHIPS
17. ON THE DEVELOPMENT OF MARINE INTERNAL-COMBUSTION ENGINES

1932 – Band 74

1. ELECTRIC ARC WELDING IN SHIP CONSTRUCTION
2. A MAIER AND NORMAL FORM COMPARISON AND TANK RESULTS
3. FUEL FOR MERCHANT SHIPS
4. RECENT IMPROVEMENTS IN THE EFFICIENCY OF SMALL VESSELS
5. ON A METHOD FOR THE DIRECT CALCULATION OF FLOODING CURVES
6. SCREW PROPELLERS OF VARYING BLADE SECTION IN OPEN WATER
7. CAVITATION EXPERIMENTS ON A MODEL PROPELLER
8. NOTES ON TWO RECENT TRIAL RECORDS
9. THE VENTILATION OF WARSHIPS
10. SOME STEERING TRIAL RESULTS OF H.M. SHIPS "NELSON" AND "RODNEY"
11. NOTES ON THE PROGRESS OF MOTOR-SHIPING TO DATE

12. NOTE ON THE PRESENTATION OF THE MECHANICAL EFFICIENCY IN MARINE OIL ENGINES

13.. FUEL CONSUMPTION OF STEAM-DRIVEN AUXILIARIES IN DIESEL-ENGINED TANKERS SHOWING THE REDUCTION OBTAINED BY THE USE OF EXHAUST GASES

14. AN EXPERIMENTAL INVESTIGATION INTO THE EFFECT OF TEMPERATURE ON THE SKIN-FRICTION RESISTANCE OF A FLAT PLATE IMMersed IN TURBULENT STREAM

1933 – Band 75

1. CONSIDERATION OF THE IMPROVED FORMS OF MODERN CARGO STEAMERS AND THE EFFECT ON THEIR OPERATING COSTS DUE TO THEIR LOW FUEL CONSUMPTION

2. TONNAGE MEASUREMENT – WHAT IS WAS, WHAT IT IS AND WHAT IT MIGHT BE

3. THE USE OF ELECTRIC ARC WELDING IN WARSHIP CONSTRUCTION

4. CONSTRUCTIONAL TESTS ON MILD-STEEL ROLLED SECTIONS WITH ELECTRICALLY WELDED JOINTS

5. STRESS DISTRIBUTIONS IN FUSION JOINTS OF PLATES CONNECTED AT RIGHT ANGLES

6. THE EFFECT OF WIND ON SHIP PERFORMANCE

7. SCREW PROPELLER EXPERIMENTS WITH MODELS OF COASTERS

8. THE EFFECT OF LOCAL HOLLOWING FORWARD WITH VARYING TYPE OF SECTIONS AND LENGTH OF ENTRANCE

9. A CONTRIBUTION TO THE PHOTOGRAPHIC STUDY OF THE MECHANISM OF THE WAKE

10. PRELIMINARY CALCULATIONS OF THE SIZES OF GYROSCOPES REQUIRED TO STABILIZE A SHIP

11. NAVAL WATER-TUBE BOILERS - EXPERIMENTS AND SHOP TRIALS

12. THE PROBLEM OF THE WATER-COOLED PISTON ROD IN TWO-STROKE CYCLE DOUBLE-ACTING OIL ENGINES

13. SOME OBSERVATIONS WITH REGARD TO THE PROBLEM OF THE STRUCTURAL DESIGN OF THE PRESSURE HULL OF SUBMARINES

14. A SUGGESTED METHOD FOR MINIMIZING VIBRATIONS IN SHIPS

15. THE PORPOISING OF HIGH-SPEED MOTOR-BOATS

1934 – Band 79

1. AIRCRAFT CARRIERS

2. THE AUTOMATIC CONTROL OF THE STEERING OF SHIPS AND SUGGESTIONS FOR ITS IMPROVEMENT

3. FURTHER TESTS AND RESULT OF EXPERIMENTS ON ELECTRICALLY WELDED JOINTS IN SHIP CONSTRUCTION

4. THE STRUCTURE OF INSULATED HOLDS IN RELATION TO HEAT-LEAKAGE

5. SCREW PROPELLERS OF VARYING BLADE SECTION IN OPEN WATER, PART II

6. APPROPRIATE SHIP LENGTHS FOR MINIMUM PITCHING AND MAXIMUM SEAWORTHINESS

7. FORM EFFICIENCY

8. SCALE EFFECT IN SCREW PROPELLERS

9. AN EXPERIMENTAL EXAMINATION OF THE DISTRIBUTION OF VELOCITY AROUND A SHIP'S MODEL PLACED IN A TURBULENT STREAM

10. QUESTIONS RELATING TO THE LUBRICATION OF BEARINGS – BEARINGS PROVIDED WITH OIL CIRCUITS

1. THE INFLUENCE OF KEYS AND KEYWAYS ON CYLINDRICAL FORCE FITS AND SHRINKAGE FITS

12. FIRE-FIGHTING ARRANGEMENTS IN SHIPS

13. THE ORIGIN OF THE TANKER

14. THE DEVELOPMENT OF THE AUXILIARY PROPELLER DRIVE

15. WILLIAM FROUDE

16. INFLUENCE OF FORM ON FRICTIONAL RESISTANCE

17. SOME NOTES ON THE NOMENCLATURE SUITABLE FOR THE PRESENTATION OF MODEL DATA

18. EXPERIMENTAL INVESTIGATIONS ON THE RESISTANCE OF LONG PLANKS AND SHIPS

19. THE INFLUENCE OF VISCOSITY ON THRUST AND TORQUE OF A PROPELLER WORKING NEAR THE SURFACE

20. SKIN FRICTION CORRECTION

21. THE DESIGN OF SCREW PROPELLERS WITH SPECIAL REFERENCE TO THE SINGLE-SCREW SHIP

22. PROPELLER CAVITATION STUDIES

23. THE EFFECT OF INCLINATION, IMMERSION AND SCALE ON PROPELLERS IN OPEN WATER

24. MODEL EXPERIMENTS OF THE COMBINED EFFECT OF AFT-BODY FORMS AND PROPELLER REVOLUTIONS UPON THE PROPULSIVE ECONOMY OF SINGLE-SCREW SHIPS

25. SHIP PERFORMANCE IN RELATION TO TANK RESULTS

26. ON THE THEORY OF DOUBLE SYSTEMS OF ROLLING OF SHIPS AMONG WAVES
27. WAVE PATTERNS AND WAVE RESISTANCE
28. TRIALS OF THE TRAINING SHIP "CRISTOFORO COLOMBO" WITH TWO CO-AXIAL CONTRARY-TURNING SCREWS

1935 – Band 77

1. LAUNCH OF THE QUADRUPLE-SCREW TURBINE STEAMER "QUEEN MARY"
2. TRANSPORT OF REFRIGERATED CARGOES UNDER MODERN MARINE PRACTICE
3. CHANNEL TRAIN FERRY STEAMERS FOR THE SOUTHERN RAILWAY
4. RESISTANCE EXPERIMENTS IN SMOOTH AND ROUGH WATER MADE WITH MODELS OF HIGH-SPEED SHIPS
5. A SIMPLIFIED FORM OF DIRECT FLOODING CALCULATIONS
6. STEAMSHIPS WITH MAIN BOILERS ON DECK
7. THE EVOLUTION OF THE MODERN STEAM TRAWLER WITH SUPERHEATING
8. THE CORROSION PROBLEMS OF THE NAVAL ARCHITECT
9. AN EXPERIMENTAL INVESTIGATION OF CRACKING IN MILD STEEL PLATES AND WELDED SEAMS
10. A STANDARD OF STABILITY FOR SHIPS
11. SHIP WAVE-RESISTANCE - PROGRESS SINCE 1930

1936 – Band 78

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2. THE STRENGTH OF SHIPS' STRUCTURES UNDER COMPRESSIVE STRESSES
3. REVIEW OF PRESENT POSITION OF MARINE STEAM BOILERS
4. NAVAL WATER-TUBE BOILERS
5. HISTORICAL NOTE ON THE DERIVATION OF FROUDE'S SKIN FRICTION CONSTANTS
6. SELF-PROPELLED EXPERIMENTS IN SMOOTH AND ROUGH WATER MADE WITH MODELS OF HIGH-SPEED SHIPS
7. ON THE EFFECTS OF CHANGES IN "DEGREE OF WETTING" AND "DEGREE OF TURBULENCE" ON SKIN FRICTIONAL RESISTANCE AND WAKE OF MODELS
8. SOME MODEL EXPERIMENTS ON RUDDERS PLACED BEHIND A PLANE DEADWOOD
9. MODEL EXPERIMENTS ON TWIN-SCREW PROPULSION

10. THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS
11. THE EXPERIMENTAL DEVELOPMENT OF ANCHORS FOR SEAPLANES
12. FLOODING CHARACTERISTICS AND THE CALCULATION OF FLOODING CURVES
13. ELECTRIC WELDING IN CRUISER CONSTRUCTION

1937 – Band 79

1. UNCONTROLLED WEAPONS AND WARSHIPS OF LIMITED DISPLACEMENT
2. SOME SPECIAL FEATURES OF THE S.S. "QUEEN MARY"
3. NOTE ON THE CHEMICAL INTERCRYSTALLINE FRACTURE OF RIVETED JOINTS IN BOILERS
4. THE THEORETICAL AND PRACTICAL DESIGN OF THIMBLE-TUBE BOILERS
5. ON THE EFFECT OF ROUGHNESS ON THE RESISTANCE OF SHIPS
6. RE-ANALYSIS OF WILLIAM FROUDE'S EXPERIMENTS ON SURFACE FRICTION AND THEIR EXTENSION IN THE LIGHT OF RECENT DEVELOPMENTS
7. RESULTS OF EXPERIMENTS ON MODEL SCREW PROPELLERS WITH WIDE BLADES
8. THE EFFECT OF SHAPE OF BOW ON SHIP RESISTANCE, PART I
9. A LAW OF HYDROSTATICS AND ITS INFLUENCE ON THE SHAPES OF SAILING YACHTS
10. HATCHWAYS
11. THE DEVELOPMENT OF THE TWO-STROKE CYCLE OIL ENGINE
12. ELECTRIC WELDING INSTALLATION AND ORGANIZATION IN SHIPYARDS

1938 – Band 80

1. ALTERNATIVE FIRING OF BRITISH MEN-OF-WAR
2. DESTROYER TURNING CIRCLES
3. THE REHEATED RECIPROCATING MARINE STEAM ENGINE
4. AN ALTERNATING-CURRENT POWER SYSTEM FOR DIESEL-ENGINED SHIPS
5. FURTHER EXPERIMENTS IN SMOOTH AND ROUGH WATER WITH A MODEL OF A HIGH-SPEED SHIP
6. FURTHER RESISTANCE AND PROPELLER EXPERIMENTS WITH MODELS OF COASTERS
7. STRUCTURAL STRESS IN AN OIL TANKER UNDER SERVICE CONDITIONS

8. VIBRATION IN SHIPS
9. LAUNCH OF THE TWIN-SCREW TURBINE STEAMER "NIEUW AMSTERDAM"
10. ALUMINIUM AND ITS ALLOYS WITH PARTICULAR REFERENCE TO THEIR USE IN WARSHIPS
11. TRENDS IN SHIPBUILDING
12. EFFECT OF NEW SAFETY REGULATIONS IN SENATE REPORT NO. 184 ON THE DESIGN OF MERCHANT SHIPS
13. THE PRESENT TREND IN MARINE ENGINEERING IN THE UNITED STATES OF AMERICA
14. MARINE ENGINEERING PROBLEMS OF TO-DAY
15. EXPERIMENTAL METHODS TO DETERMINE THE STRENGTH OF MATERIALS IN RELATION TO SHIPBUILDING
16. WHIRL OF DIESEL ENGINE CRANKSHAFTS
17. OCEAN WAVES, FREEBOARD AND STRENGTH OF SHIPS
18. SOME CONTRIBUTIONS TO THE THEORY OF ROLLING

1939 – Band 81

1. H.M.S. "ARK ROYAL"
2. SPECIAL FEATURES IN THE DESIGN AND LOADING OF SELF-TRIMMING COLLIERIES
3. THE EXTRACTION OF CONDENSATE FROM EXPANDING STEAM, ITS EFFECT UPON THE EFFICIENCY OF THE IDEAL HEAT-CYCLE AND ITS INFLUENCE UPON THE SELECTION OF INITIAL STEAM CONDITIONS
4. WELDING IN MARINE ENGINEERING CONSTRUCTION
5. FATIGUE IN STRUCTURAL STEEL PLATES WITH RIVETED OR WELDED JOINTS
6. THE EFFECT OF SHAPE OF BOW ON SHIP RESISTANCE, PART II
7. MODEL EXPERIMENTS ON TWIN-SCREW PROPULSION, PART II
8. A NEW METHOD FOR DETERMINING E.H.P. AND ITS APPLICATION TO ATLANTIC LINER DESIGN
9. HEAVE, PITCH AND RESISTANCE OF SHIPS IN A SEAWAY
10. THE ALL-WELDED HULL CONSTRUCTION OF H.M.S. "SEAGULL"
11. LIGHT-ALLOY SHIP CONSTRUCTION
12. THE PROTECTION OF METAL SURFACES AGAINST MARINE CORROSION AND FOULING

13. SOME NOTES ON SHIP CORROSION AND PAINT

14. REPORT OF THE COMMITTEE ON THE EDUCATION, TRAINING AND EMPLOYMENT OF YOUTHS AND APPRENTICES FOR THE EXECUTIVE GRADES OF THE SHIPBUILDING INDUSTRY

1940 – Band 82

1. THE SHIPBUILDING AND SHIPREPAIRING INDUSTRIES AFTER THE WAR

2. SHIP STRUCTURAL MEMBERS

3. ROLLING EXPERIMENTS WITH SHIPS AND MODELS IN STILL WATER

4. A NEW METHOD OF CALCULATING WAVE PROFILES AND WAVE RESISTANCE OF SHIPS

5. SOME EXPERIMENTS WITH A NEW INSTRUMENT FOR THE MEASUREMENT OF HEEL AND TRIM

6. THE SALVAGE OF H.M.S. "THETIS"

7. MATHEMATICAL SHIPS' LINES

1941 – Band 83

1. THE EFFECTIVE WAVE-SLOPE

2. MODEL EXPERIMENTS ON TWIN-SCREW PROPULSION, PART III

3. THE EFFECT OF SHAPE OF BOW ON SHIP RESISTANCE, PART III

4. COMPONENTS OF PROPULSIVE EFFICIENCY AND THEIR VARIATION

5. HISTORICAL NOTES ON INVESTIGATIONS AT THE ADMIRALTY EXPERIMENT WORKS, TORQUAY

6. A NAVAL ARCHITECT'S PRACTICAL EXPERIENCES IN THE BEHAVIOUR OF SHIPS

1942 – Band 84

1. PARSONS MEMORIAL LECTURE - SIR CHARLES PARSONS AND THE ROYAL NAVY

2. EXPERIMENTS WITH LOW PITCH RATIO SCREWS BEHIND A SINGLE-SCREW HULL

3. THE EFFECT UPON SHIP PROPULSION IN ROUGH WATER OF ALTERATIONS IN THE SHAPE OF THE PROPELLER BLADES

4. CALCULATED AND MEASURED WAVE RESISTANCE OF A SERIES OF FORMS DEFINED ALGEBRAICALLY, THE PRISMATIC COEFFICIENT AND ANGLE OF ENTRANCE BEING VARIED INDEPENDENTLY

5. ON THE BALANCE OF HEELED SHIPS

6. THE THEORY AND PRACTICE OF THE KORT SYSTEM OF PROPULSION
7. A NOTE ON TUG DESIGN
8. BLADE THICKNESS OF WIDE-BLADED PROPELLERS
9. STRENGTH OF WELDED T-JOINTS FOR SHIPS' BULKHEAD PLATES
10. CHARACTERISTICS OF ORIFICES USED FOR LIQUID FLOW MEASUREMENTS
11. AN INVESTIGATION INTO THE CAUSE OF THE FAILURE OF THE MAIN BEARINGS OF INTERNAL-COMBUSTION ENGINES
12. COMPARATIVE TESTS ON THE LUBRICATION OF CRANKSHAFT BEARINGS
13. AN INVESTIGATION OF THE FAILURE OF A SINGLE HELICAL GEARED TURBINE SYSTEM DUE TO COMBINED AXIAL AND TORSIONAL VIBRATION

1943 – Band 85

1. THE CORROSION AND FOULING OF SHIPS – AN ACCOUNT FOUNDED ON THE WORK OF THE MARINE CORROSION SUB-COMMITTEE OF THE IRON AND STEEL INSTITUTE AND THE BRITISH IRON AND STEEL FEDERATION
2. STEERING EXPERIMENTS, PART I
3. DEFLECTION OF GIRDERS AND SHIP STRUCTURES: A NOTE ON TEMPERATURE EFFECTS
4. STABILITY COEFFICIENTS
5. FISHING VESSEL DESIGN
6. A NEW METHOD OF APPROXIMATE QUADRATURE
7. THE COEFFICIENT OF PROPULSIVE EFFICIENCY
8. PROPELLER BLADE VIBRATION
9. MARINE PROPELLER BLADE DEFLECTION
10. RESISTANCE OF HULLS OF VARYING BEAMS
11. THE CENTENARY OF THE ROYAL DOCKYARD SCHOOLS

1944 – Band 86

1. POST-WAR MERCHANT SHIPS FROM THE OWNER'S POINT OF VIEW
2. REPAIRS TO WELDED SHIPS
3. THE BRITISH SHIPBUILDING RESEARCH ASSOCIATION

4. COMPARISON OF CALCULATED AND MEASURED WAVE RESISTANCES FOR A SERIES OF FORMS NOT SYMMETRICAL FORE AND AFT
5. THE USE OF WIRE-WOUND ELECTRICAL RESISTANCE STRAIN GAUGES AS APPLIED TO ENGINEERING PROBLEMS FOR THE MEASUREMENT OF STATIC STRAINS
6. EFFECT OF BLADE SECTION AND AREA ON SCREW PROPELLERS
7. THE QUASI-PROPULSIVE COEFFICIENT
8. ON THE WORKING OF SUPERCAVITATING SCREW PROPELLERS
9. WATER TUBE BOILER SYMPOSIUM, PAPER NO. 1
10. WATER TUBE BOILER SYMPOSIUM, PAPER NO. 2
11. WATER TUBE BOILER SYMPOSIUM, PAPER NO. 3
12. WATER TUBE BOILER SYMPOSIUM, PAPER NO. 4
13. WATER TUBE BOILER SYMPOSIUM, PAPER NO. 5
14. AUTUMN MEETING - PRESIDENT'S OPENING REMARKS
15. LONGITUDINAL BENDING MOMENTS
16. METHODS OF LEVYING CHARGES FOR SERVICES TO SHIPPING

1945 – Band 87

1. MERCHANT SHIPBUILDING DURING THE WAR
2. CREWS' ACCOMMODATION IN TRAMP SHIPS
3. THE HABITABILITY OF NAVAL SHIPS UNDER WARTIME CONDITIONS
4. SOME CASES OF FAILURE OF DECK PLATING UNDER COMPRESSIVE STRESSES DUE TO STRANDING
5. SOME NOTES ON SHIPS' STRUCTURAL MEMBERS
6. NOTES ON DEFLECTED PLATING IN COMPRESSION AND TENSION
7. NOTES ON THE THEORY OF HEAVING AND PITCHING
8. THE STABILIZATION OF SHIPS BY ACTIVATED FINS
9. THE DYNAMICS OF LAUNCHING
10. THAMES (DUMB) BARGES
11. ON SINGING PROPELLERS - EFFECTS OF SHAPE OF PROPELLER BLADE SECTION AND OF FULLNESS AND FORM OF HULL AFTER-BODY ON SINGING OF PROPELLERS WITH SPECIAL REFERENCE TO SINGLE-SCREW SHIPS
12. THE CONCEPT OF PITCH

1946 – Band 88

1. THE ROYAL NAVY AT THE OUTBREAK OF WAR
2. THE REPAIR AND UPKEEP OF H.M. SHIPS AND VESSELS IN WAR
3. THE WORK OF THE ADMIRALTY SHIP WELDING COMMITTEE
4. STRUCTURAL INVESTIGATIONS IN STILL WATER ON THE WELDED TANKER "NEVERITA", PART I: DEVELOPMENTS IN INSTRUMENTS FOR MEASUREMENT OF STRAINS AND DEFLECTIONS IN SHIP STRUCTURES
5. STRUCTURAL INVESTIGATIONS IN STILL WATER ON THE WELDED TANKER "NEVERITA", PART II: THE TESTS AND THEIR RESULTS
6. SOME MODEL EXPERIMENTS IN CONNECTION WITH MINE WARFARE
7. EXPERIMENTS WITH MODELS OF CARGO LINERS
8. SOME MODEL EXPERIMENTS CARRIED OUT IN CONNECTION WITH THE MULBERRY HARBOUR
9. CRAFT AND CABLE SHIPS FOR OPERATION "PLUTO"
10. UNDER-WATER PAINTS AND THE FOULING OF SHIPS WITH REFERENCE TO THE WORK OF THE MARINE CORROSION SUB-COMMITTEE OF THE IRON AND STEEL INSTITUTE AND THE ADMIRALTY CORROSION COMMITTEE
11. TILT TESTS FROM THE SHIPBUILDER'S STANDPOINT
12. MERCHANT SHIPBUILDING IN CANADA
13. ADMIRALTY TYPE MOTOR FISHING VESSELS (M.F.V.s)
14. FURTHER NOTES ON THE THEORETICAL CALCULATION OF WAVE PROFILES AND OF THE RESISTANCE OF HULLS
15. DYNAMIC LONGITUDINAL STRENGTH OF SHIPS

1947 – Band 89

1. AN EXAMINATION OF THE RECORDS OF THE "GREYHOUND" EXPERIMENTS
2. THE DISTRIBUTION OF LOAD IN LONGITUDINAL STRENGTH CALCULATIONS
3. SOME NOTES ON THE DESIGN OF TRAWLERS AND DRIFTERS WITH PARTICULAR REFERENCE TO SEAWORTHINESS AND STABILITY
4. SHIPS OF THE INVASION FLEET
5. MERCHANT AIRCRAFT CARRIER SHIPS ("MAC" SHIPS) – AN INTERESTING PRODUCT URGENTLY INTRODUCED INTO THE WAR-TIME MERCHANT SHIPBUILDING PROGRAMME

6. STABILITY LOSSES ON FLOODING
7. A SURVEY OF PUBLISHED WORK ON THE DEFLECTION OF AND STRESS IN FLAT PLATES SUBJECT TO HYDROSTATIC LOADING
8. MODEL EXPERIMENTS AND THEIR RELATION TO SHIP DESIGN
9. BRITISH SUBMARINE DESIGN DURING THE WAR (1939-45)
10. CORVETTES AND FRIGATES
11. COASTAL FORCE DESIGN
12. NOTES ON THE DEVELOPMENT OF LANDING CRAFT
13. NOTES ON DEPOT AND REPAIR SHIPS
14. UNDER-WATER ELECTRIC ARC WELDING
15. CLASSIFICATION STANDARDS AND LONGITUDINAL STRENGTH
16. LIMITS OF TORSIONAL VIBRATION STRESS IN MARINE OIL ENGINE SHAFTING
17. STRAIN AND BREAKAGE RECORDING ON H.M.S. "VANGUARD" DURING LAUNCHING, NOVEMBER 30, 1944
18. RESIDUARY STABILITY
19. IMPROVED CREW ACCOMMODATION FOR OCEAN-GOING CARGO VESSELS
20. CREWS' ACCOMMODATION IN MERCHANT SHIPS

1948 – Band 90

1. AN HISTORICAL REVIEW OF PORTSMOUTH DOCKYARD IN RELATION TO OUR NAVAL POLICY
2. THE PORT OF SOUTHAMPTON – A BRIEF ACCOUNT OF THE ORIGIN AND DEVELOPMENT OF THE PORT AND ITS RELATIONS WITH SHIPPING, SHIPBUILDING AND SHIP-REPAIRING
3. STREAMLINES ON FINE HULLS
4. A HIGHLY DAMPED INCLINOMETER FOR INCLINING TESTS
5. THE LIMITATIONS OF MODEL EXPERIMENTS AND POSSIBLE FUTURE RESEARCH
6. SOME MODEL EXPERIMENTS ON THE EFFECT OF BLADE AREA ON PROPELLER CAVITATION
7. CALCULATED AND OBSERVED WAVE RESISTANCES FOR A SERIES OF FORMS OF FULLER MIDSECTION
8. PERMANENT MOORINGS
9. RESISTANCE OF BARGES IN DEEP AND SHALLOW WATER

10. SPEED AT SEA AND DESPATCH IN PORT
11. SHIP-REPAIRING AND SHIPYARD PROBLEMS IN THE INVASION OF EUROPE
12. THE EFFECT OF NON-CONTACT EXPLOSIONS ON WARSHIP MACHINERY DESIGN
13. TEMPORARY HULL REPAIRS TO THE TANKER "MARKAY"
14. CALCULATIONS ILLUSTRATING THE EFFECT OF BOUNDARY LAYER ON WAVE RESISTANCE
15. THE ROYAL NAVY AND NUCLEAR POWER
16. GERMAN U-BOAT DESIGN AND PRODUCTION
17. AN EXAMINATION OF THE PRESSURE DISTRIBUTION OVER A MODEL HULL
18. SMALL MODEL EXPERIMENTS AND VISCOSITY EFFECTS
19. A TRAMP SHIP'S CREW SPACES

1949 – Band 91

1. THE CALCULATION OF SHIP SCREWS
2. THE MEASUREMENT AND RECORDING OF THE FORCES ACTING ON A SHIP AT SEA, PART I: SEA TRIALS ON A 10.000-TON DEADWEIGHT CARGO STEAMER
3. THE MEASUREMENT AND RECORDING OF THE FORCES ACTING ON A SHIP AT SEA, PART II: THE INSTRUMENTS USED ON THE TRIALS
4. NOTES ON THE BEHAVIOUR OF H.M. SHIPS DURING THE WAR
5. STEAM GUNBOAT MACHINERY - A LIGHT-WEIGHT STEAM PLANT
6. SOME EXPERIMENTS WITH MODELS OF HIGH-SPEED SHIPS – THE INFLUENCE OF BLOCK COEFFICIENT AND LONGITUDINAL CENTRE OF BOUYANCY
7. THE EFFECT OF SHAPE OF ENTRANCE ON SHIP PROPULSION
8. WAVE RESISTANCE CALCULATIONS AT HIGH SPEED
9. STAYED MASTS FOR HEAVY DERRICKS
10. DETECTION OF LAMINAR FLOW ON SHIP MODELS
11. INTERNATIONAL CONFERENCE ON SAFETY OF LIFE AT SEA, 1948
12. MERCHANT SHIP SUBDIVISION
13. INTER-ACTION BETWEEN SHIPS – A RECORD OF SOME EXPERIMENTS AND EVIDENCE ON WALL EFFECT
14. A THEORY OF THE BEHAVIOUR OF DECK PLATING AFTER BUCKLING

15. A LIGHT ALLOY CROSS-CHANNEL SHIP DESIGN
16. A NOTE ON THE USE OF TABLES OF A CERTAIN INTEGRAL IN CONNECTION WITH WAVEMAKING CALCULATIONS
17. SEA SPEED AND STEERING AS INFLUENCED BY THE DIFFERENCES IN HULL FORM BELOW AND ABOVE THE LOAD WATER PLANE AT REST
18. THEORETICAL STUDY OF A METHODICAL SERIES OF PROPELLER TESTS
19. GERMAN AND JAPANESE BATTLESHIPS
20. LATEST DEVELOPMENTS IN REVERSIBLE PROPELLERS
21. THE NON-DESTRUCTIVE TESTING OF STEEL CASTINGS AND FORGINGS
22. SCREW SHAFT CASUALTIES – THE INFLUENCE OF TORSIONAL VIBRATION AND PROPELLER IMMERSION

1950 – Band 92

1. FRICTIONAL RESISTANCE AND SHIP RESISTANCE SIMILARITY
2. CALCULATION OF BEAMS
3. A FIFTY YEARS' SURVEY OF CASUALTIES TO MERCHANT SHIPS REPORTED ABANDONED, FOUNDERED OR MISSING
4. DENMARK'S SHIPS SINCE THE LIBERATION, 1945
5. STEERING AND PROPULSION OF H.M.S. "NELSON" IN A RESTRICTED CHANNEL
6. EFFECT OF LAMINAR FLOW ON SHIP MODELS
7. AN EXPERIMENTAL DANISH MARINE GAS TURBINE
8. FROM RIVETING TO WELDING IN A MERCHANT SHIPYARD
9. MODERN TRENDS IN THE DEVELOPMENT OF HIGH-POWERED DIESEL MACHINERY
10. DESIGN-ANALYSIS DIAGRAMS FOR WIDE-BLADED PROPELLERS
11. FURTHER EXPERIMENTS WITH MODELS OF HIGH SPEED SHIPS - THE INFLUENCE OF BLOCK COEFFICIENT AND LONGITUDINAL CENTRE OF BOUYANCY
12. SHIFTING BOARDS FOR BALLASTED CARGO VESSELS
13. NOTES ON STRESSES IN TANKER MEMBERS
14. ON THE SYSTEMATIC GEOMETRICAL VARIATION OF SHIP FORMS
15. FISH PROPULSION IN RELATION TO SHIP DESIGN
16. IMPROVEMENTS IN MOORING ANCHORS
17. INVESTIGATIONS ON MODEL ANCHORS

18. THERMAL EXPANSION EFFECTS IN COMPOSITE SHIPS
19. PARSONS MEMORIAL LECTURE - PROGRESS IN MARINE PROPULSION, 1910-1950
20. FUNNEL DESIGN AND SMOKE ABATEMENT, PART I: THE CAUSES OF SMOKE POLLUTION AND POSSIBLE METHODS OF PREVENTION
21. FUNNEL DESIGN AND SMOKE ABATEMENT, PART II: EXPERIMENTAL TECHNIQUE

1951 – Band 93

1. A NOTE ON NEW FORMS FOR SHIPS' STERNS
2. THE STRENGTH OF SHIPS' DERRICKS
3. THE BRITISH SHIPBUILDING RESEARCH ASSOCIATION - THE FIRST SIX YEARS
4. RESEARCH ON DESIGN OF DRIFTERS
5. A NEW CARGO LINER DESIGN
6. HULL DESIGN FOR LAMINAR FLOW
7. A FURTHER EXAMINATION OF CASUALTIES TO MERCHANT SHIPS REPORTED ABANDONED, FOUNDERED OR MISSING
8. SOME OBSERVATIONS CONCERNING RESISTANCE AND PROPULSION
9. THE SAFETY OF SMALL SHIPS
10. MODERN ACCOMMODATION FOR SELF-TRIMMING COLLIERS
11. FURTHER SHIP RESISTANCE SIMILARITY
12. HIGH-SPEED SAILING
13. INFLUENCE OF SHIP FORM ON TRANSVERSE STABILITY
14. SHIPS' STRUCTURES - A CENTURY OF PROGRESS
15. B.S.R.A. RESISTANCE EXPERIMENTS ON THE "LUCY ASHTON", PART I: FULL SCALE MEASUREMENTS
16. HIGHER STEAM CONDITIONS FOR SHIPS' MACHINERY
17. BOILER AND TURBINE TESTING
18. CHARACTERISTICS AND DEVELOPMENT OF NAVAL FUEL OILS
19. SHIP MOTIONS
20. PROPOSED DESIGN FOR A COMBINED RESEARCH, TRAINING AND CARGO SHIP
21. SOME ASPECTS OF PRE-FABRICATION IN SHIP CONSTRUCTION

22. U.S. FLEET MAINTENANCE AND BATTLE-DAMAGE REPAIRS IN THE PACIFIC DURING WORLD WAR II

23. STRESSES IN PROPELLERS AND PROPELLER SHAFTING UNDER SERVICE CONDITIONS

1952 – Band 94

1. FLOW MEASUREMENTS IN THE SLIPSTREAM OF A MODEL PROPELLER

2. ON THE CONSTRAINT AT THE ENDS OF SHIPS' STRUCTURAL MEMBERS

3. SCALE EFFECT ON SHIP AND MODEL RESISTANCE AND ITS ESTIMATION

4. SCALE EFFECT OF A SCREW PROPELLER

5. THE EFFECT OF BLADE FRICTION AND ROUGHNESS ON THE ACTION OF A SCREW PROPELLER

6. THE EFFECT OF PROPELLER BOSS DIAMETER UPON THRUST AND EFFICIENCY AT GIVEN REVOLUTIONS

7. THE EFFECT OF SHALLOW WATER ON THE MOVEMENT OF A SHIP

8. SHALLOW DRAUGHT SHIPS

9. BENDING MOMENTS ON BEAMS OF NON-UNIFORM CROSS-SECTION WITH ENDS WHOLLY OR PARTIALLY CONSTRAINED

10. THE OPTIMUM LOADING OF A MARINE PROPELLER

11. BRITAIN'S DEEP SEA LINER TRADE 1945-51 AND SOME RANDOM THOUGHTS

12. MERCHANT SHIP DESIGN - A THOUGHT ON THE FUTURE

13. CHANGES IN SHIP CONSTRUCTION METHODS, 1850-1950

14. PREDICTION OF THERMAL CONDITIONS IN H.M. SHIPS IN TROPICAL WATERS

15. STRUCTURAL STRENGTH INVESTIGATIONS ON DESTROYER "ALBUERA"

16. FRICTIONAL RESISTANCE OF SMOOTH PLANE SURFACES IN TURBULENT FLOW - NEW DATA AND A SURVEY OF EXISTING DATA

17. THE SCANTLINGS OF LONG DECKHOUSES CONSTRUCTED OF ALUMINIUM ALLOY

18. A NOTE ON THE EXPERIMENTAL DETERMINATION OF WAVE RESISTANCE

19. HIGH-POWERED SINGLE-SCREW CARGO LINERS

20. THE GENERATION OF GAS BUBBLES AT THE SHRINKAGE BOUNDARIES OF BUILT-UP CRANKSHAFTS FOR DIESEL ENGINES

21. SOME RECENT STUDIES OF HUMAN STRESS FROM A MARINE AND NAVAL VIEWPOINT

1953 – Band 95

1. SHIP VIBRATIONS: THE VIRTUAL INERTIA OF A SPHEROID IN SHALLOW WATER
2. THE EFFECT UPON RESISTANCE OF LARGE BEAMS ON SOME MODELS WITH BLOCK COEFFICIENTS BETWEEN 0.65 AND 0.60
3. FIRE PROTECTION IN PASSENGER SHIPS – SOME IMPLICATIONS OF THE 1948 CONFERENCE ON SAFETY OF LIFE AT SEA WITH PARTICULAR REFERENCE TO ALUMINIUM STRUCTURES
4. AN INVESTIGATION INTO THE MOTIONS OF SHIPS AT SEA
5. LEONARDO DA VINCI AND THE PROBLEMS OF NAVIGATION AND NAVAL DESIGN
6. LONGITUDINAL STRENGTH – A REVIEW OF SOME RECENT DEVELOPMENTS
7. SIX RECENT ATLANTIC LINERS
8. SHIP-MODEL CORRELATION
9. EFFECT OF PITCH AND BLADE WIDTH ON PROPELLER PERFORMANCE
10. WARSHIPS FORM DESIGN COEFFICIENTS
11. THE FLEET TRAIN IN THE PACIFIC WAR
12. LARGE DRY DOCKS
13. THE MOTION OF AN AIRCRAFT CARRIER AT SEA IN RELATION TO THE OPERATION OF NAVAL AIRCRAFT
14. WATER FORCES ON SUBMERGED BODIES IN MOTION
15. A SKIN FRICTION DETERMINATION USING WALL-SIDED MODELS OF GREAT DRAUGHT
16. FATIGUE IN SHIP STRUCTURES
17. SUPPORT REACTIONS, STRESSES AND DEFLECTIONS FOR PLATES SUBJECTED TO UNIFORM TRANSVERSE LOADING
18. B.S.R.A. RESISTANCE EXPERIMENTS ON THE "LUCY ASHTON", PART II: THE SHIP-MODEL CORRELATION FOR THE NAKED HULL CONDITION
19. THE EFFECT OF RADIAL PITCH VARIATION ON THE PERFORMANCE OF A MARINE PROPELLER
20. THE INSULATION OF A REFRIGERATED CARGO LINER
21. SEA TRIALS ON A VICTORY SHIP, AP 3, IN NORMAL MERCHANT SERVICE

1954 – Band 96

1. THE ECONOMIC ASPECT OF THE BUILDING OF SMALL SHIPS
2. PRESENT-DAY DEVELOPMENT OF SHIP MODEL RESEARCH IN THE NETHERLANDS SHIP MODEL BASIN AT WAGENINGEN
3. THE HYDROMECHANICS RESEARCH PROGRAMME OF THE BUREAU OF SHIPS, U.S. NAVY
4. OPTICAL MARKING-OFF SYSTEM FOR PLATES AND SECTIONS IN SHIPBUILDING
5. THE FORCES ON A SUBMERGED BODY MOVING UNDER WAVES
6. TESTS OF LAUNCHING GREASES
7. INVESTIGATIONS OF SHIPS' HULL AND MACHINERY DEFECTS
8. MAINTENANCE OF SMALL CRAFT OF COMPOSITE CONSTRUCTION
9. ON PROPELLER MANUFACTURE WITH SPECIAL REFERENCE TO PLANING OF THE BLADES AND DIMENSIONAL ACCURACY
10. A NEW INTEGRATOR FOR USE IN WAVE-RESISTANCE CALCULATIONS
11. HER MAJESTY'S YACHT "BRITANNIA"
12. A NOTE ON LARGE TRAWLERS
13. CORRUGATION OF BOTTOM SHELL PLATING
14. THE APPLICATION OF WAVE RESISTANCE CALCULATIONS TO SHIP HULL DESIGN
15. SHIP TRIAL PERFORMANCE AND THE MODEL PREDICTION
16. FRICTION AND FORM RESISTANCE IN TURBULENT FLOW AND A PROPOSED FORMULATION FOR USE IN MODEL AND SHIP CORRELATION
17. MODEL EXPERIMENTS ON A SERIES OF 0.65 BLOCK COEFFICIENT FORMS, PART I: THE EFFECT OF VARIATIONS IN LCB POSITION AND BILGE RADIUS ON RESISTANCE AND PROPULSION
18. MODEL EXPERIMENTS ON A SERIES OF 0.65 BLOCK COEFFICIENT FORMS, PART II; THE EFFECT ON RESISTANCE OF VARIATIONS IN BREADTH-DRAUGHT RATIO AND LENGTH-DISPLACEMENT RATIO
19. ON THE PRESENTATION OF SHIP-RESISTANCE DATA
20. WAVE RESISTANCE OF PRACTICAL SHIP FORMS
21. UNDERWATER TELEVISION – ITS APPLICATION TO THE SURVEY AND REPAIR OF UNDERWATER DAMAGE TO SHIPS AND INSTALLATIONS AND TO MARINE SALVAGE OPERATIONS

1955 – Band 97

1. THE ADMIRALTY EXPERIMENT WORKS, HASLAR

2. THE MEASUREMENT OF POWER
3. EXPERIMENTS WITH A LOW DRAG HYDROFOIL
4. SIDE LAUNCHING OF SHIPS WITH SPECIAL REFERENCE TO TRAWLERS
5. SHIP-BORNE PESTS AND A NEW INSECTICIDAL TREATMENT
6. B.S.R.A. RESISTANCE EXPERIMENTS ON THE "LUCY ASHTON", PART III: THE SHIP-MODEL CORRELATION FOR THE SHAFT-APPENDAGE CONDITIONS
7. SCALE EFFECT EXPERIMENTS ON VICTORY SHIPS AND MODELS, PART I: ANALYSIS OF THE RESISTANCE AND THRUST-MEASUREMENTS ON A MODEL FAMILY AND ON THE MODEL BOAT D
8. THE COUPLING OF HEAVE AND PITCH DUE TO SPEED OF ADVANCE
9. SHEAR LAG IN STIFFENED PLATING
10. THE MAN AND HIS WORK (AMOS AYRE)
11. LINERS OF THE PAST, PRESENT AND FUTURE ON SERVICE EAST OF SUEZ
12. RECENT DEVELOPMENTS IN NAVAL LIFE-SAVING EQUIPMENT
13. A HUNDRED YEARS OF LLOYD'S REGISTER SHIP RULES
14. FORTY YEARS OF CHANGE AT PORTSMOUTH DOCKYARD WITH SOME NOTES ON DOCKYARD ORGANIZATION
15. THE CATHODIC PROTECTION OF SHIPS AGAINST SEA WATER CORROSION
16. THE INFLUENCE OF PROPORTIONS ON THE BEHAVIOUR OF PARTIAL SUPERSTRUCTURES CONSTRUCTED OF ALUMINIUM ALLOY
17. THE STRENGTH OF CORRUGATED PLATING FOR SHIPS' BULKHEADS
18. B.R.S.A RESISTANCE EXPERIMENTS ON THE "LUCY ASHTON", PART IV: MISCELLANEOUS INVESTIGATIONS AND GENERAL APPRAISAL
19. SEA TRIALS ON A 9.500-TON DEADWEIGHT MOTOR CARGO LINER
20. PRACTICAL APPROACH TO SOME VIBRATION AND MACHINERY PROBLEMS IN SHIPS
21. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: GAS TURBINE ENGINE INSTALLATIONS
22. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: THE NAPIER DELTIC MARINE ENGINE
23. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: PROPOSALS WITH 10.500 S.H.P. SULZER DIESEL ENGINES IN A 10.600 TON CARGO SHIP
24. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: DIRECT DRIVE DIESEL MACHINERY (DOXFORD)

25. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: STEAM TURBINE MACHINERY

26. SYMPOSIUM ON ADVANCED MACHINERY INSTALLATIONS DESIGNED FOR THE MAXIMUM SAVING IN WEIGHT AND SPACE: GEARED GAS-GENERATOR/TURBINE MACHINERY WITH FREE-PISTON GAS GENERATORS

1956 – Band 98

1. MODEL RESISTANCE TESTS ON A METHODICAL SERIES OF FORMS - THE EFFECT OF CHANGES IN BLOCK COEFFICIENT IN THE RANGE 0.65-0.75 AND THE RESISTANCE OF 0.675 BLOCK COEFFICIENT FORMS WITH BULBOUS BOW

2. MEASUREMENTS ON M.V. "RIJEKA" WITH THEIR ATTEMPTED PRACTICAL APPLICATION

3. ORGANIZATIONAL DEVELOPMENTS OF THE SHIPYARD ULJANIK

4. THE RECENT DEVELOPMENT OF THE SHIPYARD AT SPLIT

5. THE PROGRESSIVE BUCKLING OF PLATES SUBJECTED TO CYCLES OF LONGITUDINAL STRAIN

6. THE PITCHING AND HEAVING OF SHIPS

7. FRICTIONAL DRAG OF SMOOTH AND ROUGH SHIP FORMS

8. ON DESIGN OF ECONOMIC TRAMP SHIPS

9. SAFETY AT SEA

10. SHIP REPAIRING - SOME ASPECTS OF THE INDUSTRY TO-DAY

11. A SURVEY OF DREDGES AND OTHER HARBOUR CRAFT

12. A SHIPBORNE WAVE RECORDER

13. VISCOUS AND INTERFERENCE EFFECTS DEDUCED FROM N.S.M.B. AND N.P.L. VICTORY MODEL TESTS

14. THE BRITTLE FRACTURE STRENGTHS OF WELDED STEEL PLATES

15. CONTRA-ROTATING PROPELLERS

16. THE CORROSION OF CARGO SHIPS AND ITS PREVENTION

17. THE PRACTICAL APPROACH TO STABILITY OF SHIPS

18. ASPECTS OF SHIP VIBRATION INDUCED BY TWIN PROPELLERS

19. CREW ACCOMMODATION FOR IMPROVED TYPE OF DRY CARGO VESSEL

20. A NEW APPROACH TO THE DESIGN OF PLATES TO WITHSTAND LATERAL PRESSURE

21. THE DAMPING OF HEAVE AND PITCH: A COMPARISON OF TWO-DIMENSIONAL AND THREE-DIMENSIONAL CALCULATIONS

22. THE PLANING PERFORMANCE, PRESSURES AND STRESSES IN A HIGH-SPEED LAUNCH

1957 – Band 99

1. SYMPOSIUM ON "FIRES IN SHIPS": SURVEY OF THE CAUSES AND METHODS OF EXTINCTION OF FIRES IN SHIPS
2. SYMPOSIUM ON "FIRES IN SHIPS": PRINCIPLES OF FIRE ORGANIZATION IN SHIPS AT SEA AND IN PORT
3. SYMPOSIUM ON "FIRES IN SHIPS": NAVAL PROCEDURE IN RELATION TO FIRE ORGANIZATION
4. SYMPOSIUM ON "FIRES IN SHIPS": RESEARCH IN RELATION TO SHIP FIRES
5. THE EFFECT OF MODEL AND TANK SIZE IN TWO SERIES OF RESISTANCE TESTS
6. THE ROLLING AND PITCHING OF A SHIP AT SEA - A DIRECT COMPARISON BETWEEN CALCULATED AND RECORDED MOTIONS OF A SHIP IN SEA WAVES
7. YACHT TESTING
8. SOME PROBLEMS IN DESIGN AND USE OF FREE-PISTON GAS-GENERATORS ON BOARD SHIPS
9. A NEW HARMONIC INTEGRATOR
10. BENDING MOMENTS IN BRACKETED BEAMS
11. AN INVESTIGATION INTO THE BEHAVIOUR AND INFLUENCE OF WELDED BRACKETED CONNECTIONS IN ALUMINIUM ALLOY STRUCTURAL MEMBERS
12. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": A NEW DEAL FOR NAVAL ARCHITECTURE IN UNIVERSITY EDUCATION AND A FEW RELATED PROFESSIONAL QUESTIONS
13. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": UNIVERSITY EDUCATION AND TRAINING OF NAVAL ARCHITECTS, PART I
14. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": UNIVERSITY EDUCATION AND TRAINING OF NAVAL ARCHITECTS, PART II
15. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": THE SELECTION, EDUCATION AND TRAINING OF OFFICERS FOR THE ROYAL CORPS OF NAVAL CONSTRUCTORS
16. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": TRAINING OF ENGINEER OFFICERS IN THE ROYAL NAVY
17. SYMPOSIUM ON "THE EDUCATION AND TRAINING OF NAVAL ARCHITECTS AND MARINE ENGINEERS": THE TRAINING OF ENGINEERS FOR THE MERCHANT NAVY
18. OCEAN IRON ORE CARRIERS – DESIGN CONSIDERATIONS

19. NATIONAL PHYSICAL LABORATORY: NEW SHIP HYDRODYNAMICS LABORATORY
20. THE CONDITIONS FOR UNSTABLE RUPTURING OF A WIDE PLATE
21. MODEL EXPERIMENTS ON A SERIES OF 0.70 BLOCK COEFFICIENT FORMS, PART I: THE EFFECT OF RESISTANCE AND PROPULSION OF VARIATIONS IN LCB POSITION
22. MODEL EXPERIMENTS ON A SERIES OF 0.70 BLOCK COEFFICIENT FORMS, PART II: THE EFFECT ON RESISTANCE OF VARIATIONS IN BREADTH-DRAUGHT RATIO AND LENGTH-DISPLACEMENT RATIO
23. SHIP HULL PRESSURE MEASUREMENTS
24. FURTHER EXPERIMENTS ON SIDEWAYS LAUNCHING - SERIES 2 AND 3
25. FURTHER SEA TRIALS ON THE "LUBUMBASHI"
26. DESIGN AND OPERATING EXPERIENCE OF AN ORE CARRIER BUILT ABROAD
27. SHIP-PLATING SUBJECTED TO LOADS BOTH NORMAL TO AND IN THE PLANE OF THE PLATE
28. PROPELLERS IN THE WAKE OF AN AXISYMMETRIC BODY
29. THE INTERACTION BETWEEN A SHIP'S HULL AND A LONG SUPERSTRUCTURE
30. STRESSES IN DECKHOUSES AND SUPERSTRUCTURES
31. THE EFFECT OF SUPERSTRUCTURES ON THE LONGITUDINAL STRENGTH OF SHIPS
32. EFFECT OF CAVITATION ON THE PERFORMANCE OF A SERIES OF 16IN. MODEL PROPELLERS
33. SHIP STABILIZATION CONTROLS AND COMPUTATION

1958 – Band 100

1. MERCHANT SHIP DESIGN: SOME AESTHETIC CONSIDERATIONS
2. TUG POWER IN RELATION TO THE TOWAGE OF SWIM-ENDED BARGES
3. DESIGN OF WOODEN NAVAL VESSELS
4. THE PREDICTION OF SMOOTH SHIP RESISTANCE FROM MODEL DATA
5. SOME PROBLEMS OF YACHT MEASUREMENT
6. ASPECTS OF PROPELLERS FOR THE ROYAL NAVY
7. THE EVOLUTION OF THE CARGO SHIP DURING THE LAST 35 YEARS WITH SOME THOUGHTS ON THE YEARS TO COME
8. THE EFFECT OF SPEED OF ADVANCE UPON THE DAMPING OF HEAVE AND PITCH
9. LIST OF PUBLISHED PAPERS ON HYDRODYNAMICS, 1908-1958)

10. BRITTLE FRACTURE IN WELDED SHIPS – AN EMPIRICAL APPROACH FROM RECENT EXPERIENCE
11. THE DESIGN, CONSTRUCTION AND OPERATION OF A CLASS OF TWIN SCREW TUGS
12. PROGRESSIVE TOWING TRIALS FOR FULL-SCALE INLAND AND SHALLOW-DRAUGHT VESSELS
13. LOSSES OF SMALL SHIPS
14. THE EFFECT OF SURFACE ROUGHNESS ON THE PERFORMANCE OF A MODEL PROPELLER
15. PLASTIC MATERIALS
16. PLASTICS IN SHIPS' HULL AND ACCOMMODATION SPACES
17. PLASTIC BOATBUILDING
18. PLASTICS IN MARINE ENGINEERING - THERMO-SETTING LAMINATES
19. PLASTICS IN MARINE ELECTRICAL AND ELECTRONIC SYSTEMS
20. DECORATIVE LAMINATED PLASTICS IN SHIPS
21. THE HYDROFOIL BOAT - ITS HISTORY AND FUTURE PROSPECTS
22. SCALE-EFFECT EXPERIMENTS ON VICTORY SHIPS AND MODELS, PART II: ANALYSIS OF THE WAKE MEASUREMENTS ON A MODEL FAMILY AND THE MODEL BOAT D
23. A NOTE ON THE ROLLING OF SHIPS
24. TRANSVERSE STRENGTH
25. MASTS AND RIGGING - A METHOD FOR DESIGN
26. RIDING QUALITIES OF LIGHT VESSELS

1959 – Band 101

1. SOME PROBLEMS IN THE CONSTRUCTION OF WARSHIPS TODAY
2. THE BRITISH SHIPBUILDING RESEARCH ASSOCIATION - PROGRESS SINCE 1950
3. SOME ASPECTS OF NAVAL ARCHITECTURE IN THE EIGHTEENTH CENTURY
4. VIBRATION IN SHIPS
5. CONSIDERATIONS ON MOTOR TANKERS
6. A LINEAR THEORY FOR THE STEERED MOTION OF SHIPS IN WAVES
7. A NEW TECHNIQUE FOR USE IN SHIP MODEL TANKS
8. TESTS OF FLAT PLATED GRILLAGES UNDER CONCENTRATED LOADS

9. SHIP PLATING LOADED BEYOND THE ELASTIC LIMIT
10. THE DESIGN OF INFLATABLE LIFERAFTS
11. THE SURFACE PREPARATION OF SHIP PLATE (OUTER BOTTOM PLATING) FOR PAINTING
12. IDEAS AND PERSONALITIES IN THE DEVELOPMENT OF NAVAL ARCHITECTURE
13. SOME THOUGHTS ON DRY DOCKS
14. THE DEVELOPMENT OF AIR CONDITIONING IN SHIPS
15. FISHING VESSEL DEVELOPMENT
16. CARGO CONTAINER SHIPS
17. A FURTHER STUDY OF SHIP LOSSES
18. TRAIN AND CAR FERRIES
19. AN ANALYSIS OF SHIP-MODEL CORRELATION DATA USING THE 1957 I.T.T.C. LINE
20. TONNAGE MEASUREMENT
21. STANDARD OF STABILITY ADOPTED IN JAPAN

1960 – Band 102

1. A NOTE ON THE DESIGN OF A RESEARCH STERN FISHING TRAWLER
2. A STATISTICAL APPROACH TO THE LONGITUDINAL STRENGTH MODULUS OF SHIPS
3. WETNESS RELATED TO FREEBOARD AND FLARE
4. ACOUSTICAL PROBLEMS IN PASSENGER SHIP DESIGN
5. THE © OF SOME 0.80 CB FORMS
6. THE WAVES GENERATED BY A MOVING BODY
7. NEW SEA TRIALS ON THE SANDBLASTED "LUBUMBASHI"
8. TURBULENCE DETECTION – RESULTS FROM THE USE OF AN UNOBSTRUCTIVE TECHNIQUE DURING SHIP MODEL TESTING
9. APPLICATION OF THE THEORY OF ELASTIC BENDING TO THE STRUCTURAL MEMBERS OF SHIPS
10. THE PROSPECT FOR A NUCLEAR POWERED DRY CARGO LINER WITH PARTICULAR REFERENCE TO THE ORGANIC MODERATED REACTOR
11. THE EFFECTIVE HORSEPOWER OF SINGLE-SCREW SHIPS – AVERGAE MODERN ATTAINMENT WITH PARTICULAR REFERENCE TO VARIATION OF CB AND LCB

12. THE HOVERCRAFT - A NEW CONCEPT IN MARITIME TRANSPORT
13. THE "BRAVE" CLASS FAST PATROL BOAT
14. A MARINE ENGINEERING REVIEW - PAST, PRESENT AND FUTURE
15. STANDARD MODEL TECHNIQUE AT ADMIRALTY EXPERIMENT WORKS, HASLAR
16. METHANE TRANSPORTATION BY SEA
17. THE DEVELOPMENT OF THE AIRCRAFT CARRIER
18. DEVELOPMENT OF ANCHORS
19. AN OCEANOGRAPHIC RESEARCH SUBMARINE OF ALUMINIUM FOR OPERATION TO 15.000 FT
20. TRANSVERSE STRENGTH OF SINGLE HULLED SHIPS - ELASTIC ANALYSIS BY THE DISPLACEMENT METHOD USING AN ELECTRONIC COMPUTER
21. WARSHIPS 1860-1960
22. MERCHANT SHIPS, 1860-1960

1961 – Band 103

1. THE BEHAVIOUR OF THE SAILING YACHT
2. FULL-SCALE TANK TESTS OF AN INTERNATIONAL 10 SQUARE METRE CLASS CANOE
3. THE GEOMETRY OF SAILING TO WINDWARD
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9. ON THE SCALE EFFECT ON THRUST DEDUCTION
10. ACCOMMODATION IN SHIPS
11. HYDROGRAPHIC SURVEY OR RESEARCH SHIP
12. THE SQUAT OF FULL SHIPS IN SHALLOW WATER
13. ON THE STRUCTURAL DYNAMICS OF SHIP HULLS IN WAVES

14. ON APPLYING THE STATISTICAL APPROACH TO EXTREME SEA LOADS AND SHIP HULL STRENGTH
15. POTENTIAL AND FRICTIONAL WAKE OF SHIPS
16. WIND RESISTANCE OF MERCHANT SHIPS
17. LAUNCH-WAY PRESSURE
18. THE PREDICTION OF MARINE PROPELLER DISTORTION AND STRESSES USING A SUPERPARAMETRIC THICK-SHELL FINITE-ELEMENT MODEL
19. WAVE RESISTANCE CALCULATIONS BY GUILLOTON'S METHOD

1974 – Band 116

1. THE IMPACT OF THE GAS TURBINE ON THE DESIGN OF MAJOR SURFACE WARSHIPS
2. THE WELDING OF HIGHER TENSILE SHIPBUILDING STEELS
3. HYDRODYNAMIC CONSIDERATIONS IN THE DESIGN OF CONDENSER COOLING WATER SYSTEMS FOR LARGE SHIPS
4. A DESIGN SCHEME FOR SHIP STRUCTURES
5. DAMAGE STABILITY MODEL EXPERIMENTS
6. ESTIMATION OF WIND FORCES ON OFFSHORE DRILLING PLATFORMS
7. A DESIGN METHOD FOR THE HEAVILY LOADED MARINE PROPELLER
8. THE RELATIVE COSTS OF SHIP DESIGN PARAMETERS
9. THE REPAIR OF VERY LARGE OIL AND BULK CARRIERS
10. A METHOD OF PREDICTING TRIAL PERFORMANCE OF TWIN SCREW MERCHANT SHIPS
11. POST WAR R.N. FRIGATE AND GUIDED MISSILE DESTROYER DESIGN 1944-1969
12. ANCHORING AND MOORING EQUIPMENT ON SHIPS
13. SERVICE PERFORMANCE OF A DRILLING UNIT
14. BUCKING AND VIBRATION OF A SHIP'S VEE-BOTTOM STRUCTURE
15. AXISYMMETRIC FINITE ELEMENTS FOR CIRCULAR PLATES AND CYLINDERS
16. MODEL EXPERIMENTS ON A SERIES OF 0.85 BLOCK COEFFICIENT FORMS - THE EFFECT ON RESISTANCE AND PROPULSIVE EFFICIENCY OF VARIATIONS IN LCB
17. RESISTANCE AND PROPULSION EXPERIMENTS WITH MODELS OF 0.85 BLOCK COEFFICIENT - VARIATION OF LONGITUDINAL POSITION OF CENTRE OF BUOYANCY

18. MODEL EXPERIMENTS ON A SERIES OF 0.85 BLOCK COEFFICIENT FORMS - THE EFFECT ON RESISTANCE AND PROPULSIVE EFFICIENCY OF VARIATIONS IN BREADTH-DRAUGHT RATIO AND LENGTH-DISPLACEMENT RATIO

19. TESTS ON A ONE EIGHTH SCALE MODEL OF THE DOUBLE-BOTTOM STRUCTURE

20. THE RESISTANCE AND PROPULSION QUALITIES OF A SERIES OF STERN TRAWLERS - VARIATION OF LONGITUDINAL POSITION OF CENTRE OF BUOYANCY, BEAM, DRAUGHT AND BLOCK COEFFICIENT

1975 – Band 117

1. THE STRENGTH OF FAST CARGO SHIPS

2. ESCAPE FROM SUBMARINES - A SHORT HISTORICAL REVIEW OF POLICY AND EQUIPMENT IN THE ROYAL NAVY

3. LARGE TANKERS - WIND COEFFICIENTS AND SPEED LOSS DUE TO WIND AND SEA

4. RESISTANCE, PROPULSION AND WAKE TESTS WITH HMS 'PENELOPE'

5. THE ACCEPTABILITY OF WELD DEFECTS

6. TRANSPORT CAPACITY AND ECONOMICS OF CONTAINER SHIPS FROM A PRODUCTION THEORY POINT OF VIEW

7. WHITHER THE LNG SHIP?

8. CHEMICAL TANKERS - THE QUIET EVOLUTION

9. HANDICAPPING SYSTEMS FOR OCEAN RACING YACHTS

10. RESISTANCE AND PROPULSION QUALITIES OF SOME MODERN SINGLE SCREW TANKER AND BULK CARRIER FORMS

11. THE DETERMINATION OF SHIP MANOEUVRING CHARACTERISTICS FROM MODEL TESTS

12. ROLL STABILISER FINS: A DESIGN PROCEDURE

13. THE INFLUENCE OF END CLOSURE SHAPE ON THE BUCKLING OF CYLINDERS UNDER EXTERNAL PRESSURE

14. AN INTERACTION BETWEEN SURFACE WATER WAVES AND A TURBULENT BOUNDARY LAYER AND WAKE

15. WAVE PATTERN RESISTANCE FROM ROUTINE MODEL TESTS

16. RNLI LIFEBOATS IN THE 1970S

17. COMPRESSIVE STRENGTH OF WELDED STEEL SHIP GRILLAGES

1976 – Band 118

1. NAVAL ARCHITECTURE CONTRIBUTION TO THE TRANSPORTATION AND INSTALLATION OF THE NORTH SEA FORTIES FIELD PLATFORMS
2. OPTIMUM DESIGN OF PASSIVE ROLL STABILISER TANKS
3. FULL-SCALE STATIC AND DYNAMIC MEASUREMENTS ON M.V. 'NIHON' - COMPARISON OF MEASURED MOTIONS, PRESSURES AND STRESSES WITH CALCULATED RESPONSE DATA
4. COMPARATIVE EFFECTS OF U-TUBE AND FREE SURFACE TYPE PASSIVE ROLL STABILISATION SYSTEMS
5. PROPELLER-EXCITED VIBRATION WITH PARTICULAR REFERENCE TO FULL SCALE MEASUREMENTS
6. THE FATIGUE PROBLEM IN SHIPBUILDING IN THE LIGHT OF NEW INVESTIGATIONS
7. THE IDENTIFICATION OF MANOEUVRING EQUATIONS FROM SHIP TRIALS RESULTS
8. TOWARDS RATIONAL FRACTURE STRENGTH CRITERIA FOR SHIP STRUCTURES
9. BLOCKAGE CORRECTION AT SUB-CRITICAL SPEEDS
10. LONG PERIOD OSCILLATIONS OF MOORED SHIPS SUBJECT TO SHORT WAVE SEAS
11. BUCKLING OF SPHERICAL CARGO TANKS FOR LIQUID NATURAL GAS
12. A METHOD OF COMPUTING THE FLOW AND SURFACE WAVE PATTERN AROUND FULL FORMS
13. AN APPRAISAL OF PRESENT AND FUTURE LARGE COMMERCIAL HOVERCRAFT
14. CONSTRUCTION OF VERY LARGE TANKERS IN TWO PARTS
15. SOME FAILURES AND ASSOCIATES METALLURGICAL MATTERS
16. A BRITISH OFFSHORE RESEARCH FACILITY
17. THE PAN TYPE POST OFFICE CABLE REPAIR SHIP
18. HYDRODYNAMIC ASPECTS OF SHALLOW WATER COLLISIONS

1977 – Band 119

1. CREATING A PRODUCTION FACILITY FOR STANDARD SHIPS
2. CONCEPT EXPLORATION - AN APPROACH TO SMALL WARSHIP DESIGN
3. THE HYDRODYNAMIC DRAG OF ROUGHENED CIRCULAR CYLINDERS
4. FISHING VESSEL SAFETY
5. SEMI-SUBMERSIBLE DESIGN: THE EFFECT OF DIFFERING GEOMETRIES ON HEAVING RESPONSE AND STABILITY
6. A STATISTICAL METHOD OF CORRECTING LOG SPEEDS

7. A SURVEY OF INTERNAL HULL DAMPING
8. ROLL STABILISER FINS: INTERFERENCE AT NON-ZERO FREQUENCIES
9. ON MODAL ANALYSIS OF SHIP DISTORTIONS IN STILL WATER
10. DETERMINATION OF MANOEUVRING DERIVATIVES OF A SHIP MODEL USING A HORIZONTAL PLANAR MOTION MECHANISM IN A CIRCULATING WATER CHANNEL
11. A LINEAR SHIP MODEL FOR JUDGING THE EFFECTIVENESS OF STEERING LARGE TANKERS
12. ESTIMATING THE NUMBER OF SETS OF CONTAINERS FOR CONTAINER SHIPS
13. THE BSRA METHODICAL SERIES - AN OVERALL PRESENTATION: VARIATIONS IN PARALLEL MIDDLE BODY
14. WAKE AND THRUST DEDUCTION AT EXTREME PROPELLER LOADINGS FOR A SHIP RUNNING IN SHALLOW WATER
15. ULTIMATE STABILITY OF SHIPS
16. THE SYMMETRIC GENERALISED FLUID FORCES APPLIED TO A SHIP IN A SEAWAY
17. SOME SHIP DESIGN METHODS
18. THE ROLE OF THE NAVAL ARCHITECT IN THE MARITIME COURTS OF LAW
19. WAY-END PRESSURE LOADING AND SHIP RESPONSE DURING LAUNCHING
20. A UNIFIED DYNAMIC ANALYSIS OF SHIP RESPONSE TO WAVES
21. SCALE EFFECT ON STERN SEPARATION AND RESISTANCE OF A FULL HULL FORM

1978 – Band 120

1. LOGISTIC SUPPORT SHIPS
2. SIMULATOR INVESTIGATIONS OF PREDICTOR STEERING SYSTEMS FOR SHIPS
3. THE HYDRODYNAMIC RESISTANCE OF ROUGHENED CYLINDERS IN HARMONIC FLOW
4. THE DYNAMICS OF TETHERED PLATFORMS
5. WAVE SLAMMING LOADS ON HORIZONTAL CIRCULAR ELEMENTS OF OFFSHORE STRUCTURES
6. THE DEVELOPMENT OF SAND AND GRAVEL SUCTION DREDGES
7. ANALYSIS OF STRUCTURAL INTERACTION BETWEEN A SHIP'S HULL AND DECKHOUSE
8. OPTIMAL SHIP CHOICE UNDER UNCERTAIN OPERATING CONDITIONS
9. EXPERIMENTAL EVALUATION OF THE EFFECTS OF WATER DEPTH AND SPEED ON THE MANOEUVRING DERIVATIVES OF SHIP MODELS

10. A PARAMETRIC STUDY ON GLOBAL HULL AND SUPERSTRUCTURE VIBRATION ANALYSIS BY MEANS OF THE FINITE ELEMENT METHOD
11. THE MEASUREMENT OF SKIN FRICTION ON A PLANING HULL USING A MINIATURE PRESTON TUBE
12. VIRTUAL INERTIA COEFFICIENTS AND RESPONSE FACTORS IN THE HIGHER MODES OF MAIN HULL VIBRATION
13. LINEARISED THEORY APPLIED TO ANNULAR AEROFOILS OF NON-AXISYMMETRICAL SHAPE IN A NON-UNIFORM FLOW
14. SHIP FUELS - ALTERNATIVES TO OIL
15. PRELIMINARY SHIP COST ESTIMATION
16. ON THE DYNAMICS OF SLAMMING
17. PARALLEL DEVELOPMENT OF SHIP PRODUCTION FACILITIES AND INFORMATION SYSTEMS
18. PREDICTED AND FULL-SCALE MEASURED LOADS AND STRESSES ON THE CONTAINER SHIP SS "NEDLLOYD DELFT"
19. THE FORWARD DESIGN SYSTEM FOR COMPUTER AIDED SHIP DESIGN USING A MINI-COMPUTER

1979 – Band 121

1. TOWARD A UNIFIED APPROACH TO SHIP STRUCTURAL SAFETY
2. MODERNISING THE "LEANDER" CLASS FRIGATES
3. THE PREDICTION OF PRESSURE LOADS ON PLANING HULLS IN CALM WATER
4. CORVETTE KV72
5. CALCULATIONS FOR THE STEADY TILT OF SEMI-SUBMERSIBLES IN REGULAR WAVES
6. ON POLAR PLOTS OF SHIP RESPONSE TO WAVE EXCITATION
7. THE REPRESENTATION OF HULL SECTIONS AND ITS EFFECTS ON ESTIMATED HYDRODYNAMIC ACTIONS AND WAVE RESPONSES
8. AN INTEGRATED SHIP CONTROL SYSTEM FOR CS "MANCHESTER CHALLENGE"
9. APPLICATIONS OF GENERALISED GAMMA FUNCTIONS IN SHIP DYNAMICS
10. TWO DIMENSIONAL SWAY ADDED MASS COEFFICIENTS FOR VESSELS MANOEUVRING IN RESTRICTED WATERS
11. WAVE-INDUCED BENDING MOMENTS IN SHIPS - A QUADRATIC THEORY
12. A METHOD OF ESTIMATING THE PROBABLE OUTFLOW FROM A TANKER FOLLOWING COLLISION DAMAGE

13. EMBEDDED SEA BED ANCHORS SUBJECTED TO REPEATED LOADING
14. IDENTIFYING SUBMERSIBLE DYNAMICS FROM FREE MODEL EXPERIMENTS
15. INTEGRATED TREATMENT OF STATIC AND VIBRATORY BEHAVIOUR OF TWIN-SCREW 553.000 DWT TANKERS
16. ARCTIC MARINE TECHNOLOGY: A REVIEW OF SHIP RESISTANCE IN ICE
17. THE BRENT OIL FIELD - FROM DISCOVERY TO REFINERY
18. NEW CONCEPTS IN THE DESIGN OF SHIPBOARD ACCOMMODATION AND WORKING SPACES
19. PROPELLER DESIGN FOR MINIMUM HULL EXCITATION
20. WIND TUNNEL INVESTIGATION OF SEMI-BALANCED SHIP SKEG-RUDDERS

1980 – Band 122

1. CAR FERRY DESIGN AND DEVELOPMENT
2. MOTIONS AND LOADS ON SHIP MODELS IN REGULAR OBLIQUE WAVES
3. THE CAPSIZING OF M/S "HELLAND-HANSEN"
4. CAPSIZING OF SMALL TRAWLERS
5. HYDROELASTIC RESPONSE OF CYLINDERS IN HARMONIC FLOW
6. THE INFLUENCE OF HULL SHAPE ON TRANSVERSE STABILITY
7. SHIP ROLL RESPONSE AND CAPSIZE BEHAVIOUR IN BEAM SEAS
8. A NOVEL METHOD TO ACHIEVE OPTIMUM SAILING PERFORMANCE
9. A NOVEL DESIGN OF A MAMMOTH TANKER TO SUIT THE MARPOL CONVENTION WITH THE MINIMUM AMOUNT OF SEGREGATED BALLAST
10. STRENGTH ANALYSIS OF SHIP COMPRESSION PANELS AT LARGE DEFORMATIONS
11. ANTISYMMETRIC VIBRATION OF SHIP HULLS
12. THE ANALYSIS AND SYNTHESIS OF SHIP MANOEUVRING
13. INTERACTION BETWEEN THE TOPSIDE FACILITIES MODULES AND THE DECK OF AN OFFSHORE PLATFORM
14. ON THE EFFECTIVE SHEAR AREA OF SHIP SECTIONS
15. APPLICATION OF THEORETICAL HYDRODYNAMICS TO THE DESIGN OF ARBITRARILY SHAPED AND MULTIBODIED MARINE STRUCTURES
16. MOTIONS OF SHIPS IN SHALLOW WATER

17. HYDRODYNAMIC LOADS ON VERTICAL BODIES OF REVOLUTION
18. A METHOD FOR ANALYSING CARGO PROTECTION AFFORDED BY SHIP STRUCTURES IN COLLISION AND ITS APPLICATION TO AN LNG CARRIER
19. ON THE SLAMMING RESPONSE OF SHIPS TO REGULAR HEAD WAVES
20. WORK CONTENT ESTIMATING FROM A SHIP STEELWORK DATA BASE
21. A UNIFIED DYNAMICAL ANALYSIS OF ANTISYMMETRIC SHIP RESPONSE TO WAVES
22. METHODS TO DETERMINE THE HYDRODYNAMIC CENTRE OF LATERAL RESISTANCE AND DIRECTIONAL STABILITY OF YACHT FORMS
23. RELIABILITY METHODS IN SHIP STRUCTURES
24. A METHOD OF SHIP RESISTANCE PREDICTION: WAVE RESISTANCE AND VISCOUS RESISTANCE
25. A PROFILE OF BRITISH SHIPBUILDERS
26. SPEED, POWER AND ROUGHNESS: THE ECONOMICS OF OUTER BOTTOM MAINTENANCE
27. THE "HUNT" CLASS MINE COUNTERMEASURES VESSELS
28. THE DEVONPORT FRIGATE COMPLEX

1981 – Band 123

1. FULL-SCALE COMPARATIVE MEASUREMENTS OF THE BEHAVIOUR OF TWO FRIGATES IN SEVERE HEAD SEAS
2. DEVELOPMENT OF A COMPREHENSIVE SIMULATION MODEL OF A SINGLE POINT MOORING SYSTEM
3. SUBMARINE REFITTING IN AUSTRALIA
4. SINGLE POINT MOORING TERMINALS: A SUMMARY OF SELECTION AND DESIGN METHODS
5. ADVANCES IN NAVAL ARCHITECTURE FOR FUTURE SURFACE WARSHIPS
6. DESIGN OF DECK STRUCTURES UNDER WHEEL LOADS
7. ECONOMICS OF TECHNOLOGICAL DEVELOPMENT OF TANKERS AND THE COMPETITION BETWEEN LAID UP AND NEW VLCCS
8. CALCULATION OF THE VELOCITY POTENTIAL OF A TRANSLATING, PULSATING SOURCE
9. PARASITIC MOTIONS OF OFFSHORE STRUCTURES
10. THE DRAG COEFFICIENTS OF A RANGE OF SHIP SURFACES

11. CALCULATIONS OF HYDRODYNAMIC COEFFICIENTS FOR A BODY MANOEUVRING IN RESTRICTED WATERS USING A THREE DIMENSIONAL METHOD
12. CALCULATIONS OF ACCELERATION COEFFICIENTS AND CORRECTION FACTORS ASSOCIATED WITH SHIPS MANOEUVRING IN RESTRICTED WATERS: COMPARISONS BETWEEN THEORY AND EXPERIMENTS
13. ON SCALING THE OSCILLATORY CHARACTERISTICS OF SHIPS MODELS
14. THE ELECTROCHEMICAL POTENTIAL DISTRIBUTION AROUND SHIPS
15. WAKE DISTRIBUTIONS AND WAKE MEASUREMENTS
16. REDUCTION OF HULL VIBRATION IN A LANDING CRAFT BY MEANS OF A VIBRATION ABSORBER
17. A COMPUTER APPROACH TO MARKET RESEARCH IN SHIPBUILDING
- 18 THE CALCULATION OF POTENTIAL FLOW ON SHIP HULLS
19. THE APPLICATION AND DEVELOPMENT OF COMPUTER SYSTEMS FOR WARSHIP DESIGN
20. MOTIONS AND BENDING MOMENTS OF A WARSHIP DESIGN
21. LARGE VESSEL MANOEUVRABILITY AT LOW SPEEDS
22. THE "GAUL" DISASTER: AN INVESTIGATION INTO THE LOSS OF A LARGE STERN TRAWLER
23. CREATIVE SHIP DESIGN
24. A CASE HISTORY - THE "WORLD CONCORD"
25. DESIGNING SHIPS FOR FUEL ECONOMY

1982 – Band 124

1. HMS "INVINCIBLE" - THE FIRST OF A NEW GENUS OF AIRCRAFT CARRYING SHIPS
2. ON SHIP-BANK INTERACTION
3. THE DESIGN OF THE SEABED OPERATIONS VESSEL
4. MEASUREMENT OF HULL STRESSES IN TWO FRIGATES DURING A SEVERE WEATHER TRIAL
5. A FAMILY OF WARSHIPS
6. A CONCEPT EXPLORATION MODEL FOR SWATH SHIPS
7. METHODS TO DETERMINE THE BEHAVIOUR OF THIN FERROCEMENT PANELS USED IN SMALL CRAFT CONSTRUCTION

8. A THREE-DIMENSIONAL SHIP MOTION THEORY - COMPARISON BETWEEN THEORETICAL PREDICTIONS AND EXPERIMENTAL DATA OF THE HYDRODYNAMIC COEFFICIENTS WITH FORWARD SPEED
9. PRELIMINARY STRUCTURAL DESIGN OF WARSHIPS
10. THE EFFECT OF SHALLOW WATER ON THE RESISTANCE OF A SHIP AT HIGH SUB CRITICAL AND SUPER CRITICAL SPEEDS
11. A THREE-DIMENSIONAL SHIP MOTION THEORY: CALCULATION OF WAVE LOADING AND RESPONSES WITH FORWARD SPEEDS
12. ROLL/YAW COUPLING MEASUREMENTS FROM AN AUTOPILOT CONTROLLED FREE RUNNING SHIP MODEL
13. FATIGUE STRENGTH OF SHIP STRUCTURES: PRACTICAL APPLICATION FOR DESIGN
14. PROPELLER ROUGHNESS, ITS NATURE AND ITS EFFECT UPON THE DRAG COEFFICIENTS OF BLADES AND SHIP POWER
15. SEA ANCHORS AND DROGUES: ANALYSIS OF BEHAVIOUR LEADING TO IMPROVED DESIGN
16. BROACHING - AN INVESTIGATION INTO THE LOSS OF DIRECTIONAL CONTROL IN SEVERE FOLLOWING SEAS
17. APPLICATIONS OF SMALL COMPUTERS TO SHIPBOARD TRAINING
18. ON THE DYNAMICS OF SHIP STABILITY
19. EXPERIMENTAL INVESTIGATION OF A GROUNDING ON A SHOALING SANDBANK
20. MICRO ELECTRONICS AND THE OPERATION, DESIGN AND CONSTRUCTION OF MERCHANT SHIPS
21. THE IMPACT OF WEAPONS ELECTRONICS ON SURFACE WARSHIPS DESIGN

1983 – Band 125

1. STEELWORK DESIGN USING COMPUTER GRAPHICS
2. THE APPLICATION OF CURRENT VIBRATION TECHNOLOGY TO ROUTINE SHIP DESIGN WORK
3. THE APPLICATION OF MANOEUVRING CRITERIA IN HULL DESIGN USING LINEAR THEORY
4. DESIGN AND HYDRODYNAMIC PERFORMANCE OF A SMALL SEMI-SUBMERSIBLE (SWATH) RESEARCH VESSEL
5. A COMPARISON BETWEEN CAVITATION INCEPTION PHENOMENA IN A CAVITATION TUNNEL AND IN A DEPRESSURISED TOWING TANK
6. HYDRODYNAMIC ANALYSIS OF BARGE-PLATFORM SYSTEMS IN WAVES
7. DEVELOPMENT OF THE ROYAL AUSTRALIAN NAVY GRP MINEHUNTER DESIGN

8. A STUDY OF THE SAFETY OF FISHING FITTED WITH GUTTING SHELTERS
9. SHALLOW WATER AND CHANNEL EFFECTS ON SHIP WAVE RESISTANCE AT HIGH SUB-CRITICAL AND SUPER-CRITICAL SPEEDS
10. A BEAM MODEL FOR THE TORSIONAL-BENDING RESPONSE OF SHIP HULLS
11. THE DRAG COEFFICIENTS OF A RANGE OF SHIP SURFACES II
12. APPROXIMATE FORMULAE FOR THE SPEED LOSS DUE TO ADDED RESISTANCE IN WIND AND WAVES
13. FATIGUE AND FRACTURE OF STRUCTURAL ELEMENTS UNDER RANDOM LOADS
14. ON THE WAVE INDUCED MOTION RESPONSE OF SEMISUBMERSIBLES
15. ON THE HYDROSTATICS OF FLOATING BODIES WITH ARTICULATED APPENDAGES
16. A SIMULATION OF SHIP RESPONSES DUE TO SLAMMING IN IRREGULAR HEAD WAVES
17. ON THE ROLL MOTION OF BARGES
18. A RATIONAL ASSESSMENT OF SHIP RELIABILITY AND SAFETY
19. THE ROYAL CORPS OF NAVAL CONSTRUCTORS: A CENTENARY REVIEW
20. PITCHED STRUCTURES IN SHIPS: ANALYSIS, DESIGN AND APPLICATIONS
21. A NEW RNLI LIFEBOAT: THE TYNE CLASS FAST SLIPWAY BOAT

1984 – Band 126

1. THE EVALUATION OF THE HYDROFOIL HMS "SPEEDY"
2. AN EXTRAPOLATION METHOD FOR SHIP RESISTANCE BASED ON THE VARIATION OF SINKAGE AND TRIM WITH FROUDE NUMBER
3. AN EFFECTIVE APPROACH TO STRUCTURAL DESIGN FOR PRODUCTION
4. THE DYNAMIC BEHAVIOUR OF SINGLE AND MULTIPLE MOORED VESSELS
5. THE DESIGN OF A SAILING HYDROFOIL - FORCE 8
6. SOME PRACTICAL ASPECTS OF ANCHORING LARGE SHIPS
7. THE EFFECT OF MUD ON TANKER MANOEUVRES
8. ON PREDICTING THE PERFORMANCE OF SHIPS FROM MODELS
9. ISOPARAMETRIC STIFFENED PLATE BENDING ELEMENT FOR THE ANALYSIS OF SHIPS' STRUCTURES
10. COMPARISON OF FULL SCALE AND PREDICTED RESPONSES OF TWO FRIGATES IN A SEVERE WEATHER TRIAL

11. CAPSIZING WITH ADDITIONAL HEELING - STOCHASTIC CRITERION FOR HIGHLY NONLINEAR ROLL MOTION
12. ON THE EFFECT OF THE SLIPSTREAM ON THE MATHEMATICAL REPRESENTATION OF OPEN PROPELLERS
13. A TIME DOMAIN SIMULATION OF HYDROFOIL MOTIONS IN REGULAR HEAD AND FOLLOWING SEAS
14. DESIGN FORMULAE FOR THE SHEAR AREA AND SECTION MODULUS OF ICE-BREAKING SHIPS
15. THE BASIS AND ESSENTIALS OF THERMAL RESIDUAL DISTORTION IN STEEL STRUCTURES
16. RELATIVE MOTIONS AND SWELL-UP FOR A FRIGATE BOW
17. DESIGN AND OPERATION OF A DYNAMICALLY POSITIONED DRILLSHIP
18. SLOSHING IN PARTIALLY FILLED LIQUID TANKS AND ITS EFFECT ON SHIP MOTIONS: NUMERICAL SIMULATIONS AND EXPERIMENTAL VERIFICATION
19. DESIGN, DEVELOPMENT AND TRIALS OF AP. 1-88 HOVERCRAFT

1985 – Band 127

1. DESIGN OF THE TYPE 2400 PATROL CLASS SUBMARINE
2. THE PROCUREMENT OF A WARSHIP
3. THE HM500 SERIES OF SIDEWALL HOVERCRAFT
4. TAKING STOCK - MARINE TECHNOLOGY AND UK MARITIME PERFORMANCE
5. CONSTRUCTION OF THE GVA 4000 DRILLING UNIT "SOVEREIGN EXPLORER"
6. THE LOSS OF HMS "COBRA" - A REASSESSMENT
7. A NEW METHOD FOR THE ANALYSIS OF UNSTEADY PROPELLER CAVITATION AND HULL SURFACE PRESSURES
8. A HYPOTHESIS CONCERNING THE DISASTROUS FAILURE OF THE "ONOMICHI-MARU"
9. THE LOCAL EFFECT OF HULL ROUGHNESS ON SKIN FRICTION - CALCULATIONS BASED ON FLOATING ELEMENT DATA AND THREE-DIMENSIONAL BOUNDARY LAYER THEORY
10. INLAND WATERWAY FLEET REPLACEMENT: EVALUATION WITH MULTIPLE OBJECTIVES
11. SCALE EFFECTS IN MODEL TESTS OF SEMI-SUBMERSIBLES
12. PREDICTING THE FREQUENCY OF OCCURANCE OF LARGE ROLL ANGLES IN IRREGULAR SEAS

13. THREE-DIMENSIONAL MOTIONS OF SHIPS AND PLATFORMS IN WAVES
14. A CALCULATION METHOD FOR FORCES ON SHIPS AT SMALL ANGLES OF YAW
15. AN INVESTIGATION INTO THE VARIATION OF SHIP SKIN FRICTIONAL RESISTANCE WITH FOULING
16. A PRESSURE INTEGRATION TECHNIQUE FOR HYDROSTATIC ANALYSIS
17. ESTIMATION OF SHIP ROLL DAMPING COEFFICIENTS
18. ICEBREAKING CARGO SHIPS
19. CASUALTY RATES IN ABANDONING SHIPS AT SEA, PART I: MERCHANT VESSELS
20. LIFE SAVING APPLIANCES - THE CHANGING SCENE

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1. THE INFLUENCE OF DIFFRACTION ON THE STABILITY ASSESSMENT OF SHIPS
2. THE EFFECT OF BOW SHAPE ON DECK WETNESS IN HEAD SEAS
3. MERCHANT VESSEL CONVERSIONS: THE FALKLANDS CAMPAIGN
4. THE TECHNICAL INVESTIGATION OF THE SINKING OF THE RO-RO FERRY "EUROPEAN GATEWAY"
5. AN INTEGRATED APPROACH TO SHIP SYNTHESIS
6. CELLULARITY: AN ADVANCED WEAPON ELECTRONICS INTEGRATION TECHNIQUE
7. STRENGTH INVESTIGATIONS OF TANKER LONGITUDINAL BULKHEAD PLATING
8. SIMULATION IN MARINE DESIGN AND OPERATION
9. FLOW ABOUT FLEXIBLE MEMBRANES WITH REFERENCE TO SEA ANCHORS
10. ON PREDICTIONS OF RESONANT ROLL MOTIONS FOR FLAT-BOTTOMED BARGES
11. THE BEHAVIOUR OF HIGH SPEED SHIP FORMS WHEN OPERATING IN WATER RESTRICTED BY A SOLID BOUNDARY
12. THE DYNAMIC CHARACTERISTICS OF UNSYMMETRICAL SHIP STRUCTURES
13. A CRITICAL LOOK INTO THE DEVELOPMENT OF SHIP STABILITY CRITERIA BASED ON WORK/ENERGY BALANCE
14. AN INVESTIGATION OF WAVE INDUCED INERTIA AND DRAG FORCES ON SEMISUBMERSIBLE VESSELS
15. ANALYSIS OF TOWED VESSEL COURSE STABILITY IN SHALLOW WATER
16. FLEXURAL RESPONSE OF ICE-BREAKING CARGO SHIPS TO IMPACT LOADS

17. THE EFFECT OF VARIATION IN HYDRODYNAMIC COEFFICIENTS ON THE LOADING ON JACKET STRUCTURES AND THE IMPLICATIONS FOR TANK TESTING

18. STRUCTURAL RELIABILITY ANALYSIS OF STIFFENED PANELS

19. TOWARDS MORE EFFECTIVE STRUCTURAL DESIGN THROUGH SYNTHESIS AND OPTIMISATION OF RELATIVE FABRICATION COSTS

1987 – Band 129

1. HMS "WARRIOR" - THE DESIGN ASPECTS

2. THE BALLAST PERFORMANCE OF SHIPS WITH PARTICULAR REFERENCE TO BULK CARRIERS

3. DESIGN OF SHIP SUPERSTRUCTURES IN FIBRE-REINFORCED PLASTIC

4. AN ENGINEERING ASSESSMENT OF THE ROLE OF NON-LINEARITIES IN TRANSPORTATION BARGE ROLL RESPONSE

5. ASSESSING THE HYDROSTATIC STABILITY OF MARINE VEHICLE DESIGNS

6. OPERABILITY ANALYSIS FOR A MONOHULL CRANE VESSEL

7. DYNAMIC FORCES IN TOW LINES

8. SIMULATIONS OF LOW FREQUENCY MOTIONS OF DYNAMICALLY POSITIONED OFFSHORE STRUCTURES

9. THE 'DRY AND WET' TOWAGE OF A JACK-UP IN REGULAR AND IRREGULAR WAVES

10. WIND TUNNEL TESTS ON AN ARTIFICIALLY ROUGHENED SHIP-HULL MODEL

11. THE RELIABILITY ANALYSIS OF STIFFENED CYLINDERS USING DETERMINISTIC AND STOCHASTIC METHODS

12. A BILGE VORTEX CALCULATION

13. HYDRODYNAMIC DESIGN OF PROPELLERS WITH UNCONVENTIONAL GEOMETRY

14. HYDRODYNAMIC ANALYSIS OF MARINE VEHICLES WITH PNEUMATIC COMPLIANCE

15. OPTIMISATION OF STIFFENED CYLINDERS IN OFFSHORE CONSTRUCTION

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1. KURDISTAN - THE ANATOMY OF A MARINE DISASTER

2. BP SWOPS - AN OPERATOR'S AND SHIPBUILDER'S PERSPECTIVE

3. HABITABILITY IN SURFACE WARSHIPS

4. A COMPUTER BASED METHOD FOR HULL FORM CONCEPT DESIGN: APPLICATIONS TO STABILITY ANALYSES

5. ON THE SYSTEMATIC VARIATION OF HULL REPRESENTATIONS FOR COMPUTERS
6. THE OCEAN TRIALS OF A LARGE MERCHANTMAN IN BALLAST AND THEIR CORRELATION WITH MODEL DATA
7. HYDRODYNAMICS INERTIA AND DAMPING OF SHIP HULL VIBRATIONS
8. PREDICTION OF SHIP WAVEMAKING RESISTANCE AND OTHER STEADY FLOW PARAMETERS USING NEUMANN-KELVIN THEORY
9. SOME WARSHIP BULBOUS BOW AND STERN WEDGE INVESTIGATIONS
10. MATERIALS HANDLING IN SHIPBUILDING - FUTURE DIRECTIONS
11. TWO YEARS OF ACCELERATION MEASUREMENTS ON DOCK EXPRESS HEAVY LIFT SHIPS COMPARED WITH PREDICTED VALUES FROM SEVERAL DESIGN METHODS
12. VORTEX-INDUCED HEAVY VIBRATIONS IN ENCLOSED HULL CAVITIES
13. THE APPLICATION OF A WELDING ROBOT FOR SMALL BATCH MANUFACTURING IN SHIPBUILDING
14. A WARSHIP ROLL CRITERION
15. SYSTEMATIC SERIES OF HIGH SPEED DISPLACEMENT HULL FORMS FOR NAVAL COMBATANTS
16. INFLUENCE OF BOTTOM AND FLARE SLAMMING ON STRUCTURAL RESPONSES
17. STRENGTH AND STIFFNESS OF SHIPS' PLATING UNDER IN-PLANE COMPRESSION AND TENSION
18. SAILS AND SIMPLE AERODYNAMICS
19. ON THE APPLICATION OF THE TIME SERIES IN STRUCTURAL FAILURE DETECTION AND MONITORING FOR OFFSHORE APPLICATIONS
20. THE SENSITIVITIES OF THE RESONANT FREQUENCIES OF SHIPS' HULLS TO CHANGES IN MASS AND STIFFNESS
21. HULL STRUCTURAL DESIGN USING STIFFNESS AS A CRITERION

1989 – Band 131

1. THE SAFETY OF RO-RO PASSENGER FERRIES
2. THE NAVAL ARCHITECTURE OF SURFACE WARSHIPS
3. THE INFLUENCE OF PASSENGER SHIP SUPERSTRUCTURES ON THE RESPONSE OF THE HULL GIRDER
4. AN EXPERIMENTAL INVESTIGATION INTO THE INFLUENCE OF WAKE ON CAVITATION
5. AN ENGINEERING REVIEW OF STEEL AND ALLOY SUPERSTRUCTURES ON SURFACE WARSHIPS

6. WINDSHIP TECHNOLOGY AND ITS APPLICATION TO MOTOR SHIPS
7. MOTION DAMPING OF SHIPS FITTED WITH MARINE AEROFOILS
8. FINITE ELEMENT PREDICTION OF MEASURED BOW FLARE PLATE STRESSES UNDER DYNAMIC WAVE LOADING
9. HYDRODYNAMICS ASPECTS OF THE SINKING OF THE FERRY "HERALD OF FREE ENTERPRISE"
10. FRACTURE TOUGHNESS OF SHIP STEELS
11. INTEGRATING SHIP DESIGN AND PRODUCTION CONSIDERATION DURING THE PRE-CONTRACT PHASE
12. A HYDROELASTIC INVESTIGATION INTO THE BEHAVIOUR OF A FLOATING 'DRY' DOCK IN WAVES
13. THE ASSESSMENT OF SURFACE SHIP VULNERABILITY TO UNDERWATER ATTACK
14. NOISE DESIGN METHODS FOR SHIPS
15. A NEW FORM OF OPTIMIZATION DIAGRAMS FOR PRELIMINARY PROPELLER DESIGN
16. ON THE DANGERS OF TRIM BY THE BOW
17. FUEL SAVINGS AND COURSE CONTROL
18. THE PREDICTION OF MOONPOOL RESPONSE - WATER COLUMN OSCILLATION AND HYDRODYNAMIC FORCES
19. ON THE ASSUMPTION OF HULL RIGIDITY IN CALCULATIONS OF LONGITUDINAL STRENGTH
20. A COMPARISON OF THE EFFECTIVENES OF AERODYNAMIC AND HYDRODYNAMIC ROLL STABILISATION METHODS
21. NOTE ON A RATIONAL METHOD FOR APPROXIMATING THE FULL-SCALE VISCOUS DRAG FROM ROUGHNESS GEOMETRY

1990 – Band 132

1. ETHICS AND FASHION IN DESIGN
2. THE MANAGEMENT OF SAFETY OF WARSHIPS IN THE UK
3. THE ESTIMATION OF FLOW OVER A THREE DIMENSIONAL BODY IN STEADY MOTION
4. THE ANALYSIS OF UNSTEADY PROPELLER CAVITATION AND HULL SURFACE PRESSURES FOR DUCTED PROPELLERS
5. MOTIONS OF A STEERED MODEL WARSHIP IN OBLIQUE WAVES
6. EVALUATING OF THEORETICAL METHODS FOR DETERMINING ROLL DAMPING COEFFICIENTS

7. THE DESIGN AND PERFORMANCE OF A PNEUMATIC CRANE COMPENSATION SYSTEM
8. HYDROSTATIC ANALYSIS OF NAVAL HULL FORMS USING PRESSURE INTEGRATION
9. DESIGN STUDY ON LONGITUDINAL STRENGTH OF A 164-CABIN CRUISE SHIP IN WAVES
10. THE EVOLUTION OF THE MODERN CRUISE LINER
11. HIGH SPEED SMALL CRAFT
12. A STRUCTURAL ROLE FOR ADHESIVES IN SHIPBUILDING?
13. SYSTEM DESIGN OF FLOATING OFFSHORE STRUCTURES
14. ON THE DISTRIBUTIONS OF SYMMETRIC SHEARING FORCE AND BENDING MOMENT IN HULLS
15. ESTIMATION OF SHIP ROLL PARAMETERS FROM MOTION IN IRREGULAR SEAS
16. THE DESIGN OF PLATE PANELS SUBJECT FOR IN-PLANE SHEAR AND BIAXIAL COMPRESSION
17. SOME EXPERIMENTS RELATED TO SHIP HULL VIBRATION AND PRESSURE FLUCTUATIONS ABOVE THE PROPELLER
18. DEVELOPMENT OF A COMPARATIVE ACOUSTIC TESTING PROCEDURE FOR MODEL PROPELLERS
19. AN ABSOLUTE DETERMINATION OF THE PERFORMANCE OF A SLENDER MERCHANTMAN
20. A PREDICTION METHOD FOR THE HYDRODYNAMIC FORCES ON YACHTS

1991 – Band 133

1. THE DEVELOPMENT OF STABILITY STANDARDS FOR UK SAILING VESSELS
2. SAFETY ASSESSMENT CONSIDERATIONS FOR OFFSHORE FLOATING PRODUCTION AND STORAGE UNITS
3. SAIL BALANCE - A NEW RULE OF THUMB
4. SAIL OPTIMIZATION FOR HIGH SPEED CRAFT
5. SAFETY OF ICE-STRENGTHENED SHIP HULLS IN THE BALTIC SEA
6. THE APPLICATION OF AN EXPERT SYSTEM TO SHIP CONCEPT DESIGN INVESTIGATIONS
7. OPTIMIZATION TECHNIQUES IN SHIP CONCEPT DESIGN
8. ON THE BEHAVIOUR OF A PRODUCT CARRIER IN BALLAST TRAVELLING IN A SEAWAY
9. SHIPS 'P' BRACKETS IN COMPOSITE MATERIALS: A FEASIBILITY STUDY
10. PASSENGER FERRY SAFETY IN THE PHILIPPINES
11. STRUCTURAL 'DESIGN BY ANALYSIS' APPROACH APPLIED TO A PRODUCT OIL CARRIER WITH A UNIDIRECTIONAL GIRDER SYSTEM
12. A NEW APPROACH TO DEVELOPING SHIP MANOEUVRING STANDARDS

13. A COMPARISON OF THE EFFECTS OF RESTRICTED WATER DEPTH ON A MODEL AND FULL SIZE PLANING HULL
14. AN ENGINEERING APPROACH TO PREDICTING THE HYDRODYNAMIC PERFORMANCE OF PLANING CRAFT USING COMPUTER TECHNIQUES
15. DRAG REDUCTION BY RIBLETTS FOR MARINE APPLICATIONS
16. ON THE OPTIMUM PROPELLER LOADING WITH INCLUSION OF DUCT AND HUB
17. DEVELOPMENT OF CONTAINERSHIP FLEETS FOR THE YANGTZE RIVER AND SHORT SEA TRANSPORT
18. NON-LINEAR ROLL DAMPING MEASUREMENTS
19. A NOVEL UNDERWATER HYDRODYNAMIC EXPERIMENT FACILITY AND FIRST RESULTS WITH SMOOTH AND MARINE GROWTH COVERED CIRCULAR CYLINDERS
20. TANDEM PROPELLERS FOR HIGH POWERED SHIPS
21. AN INVESTIGATION INTO THE STABILITY AND SURVIVABILITY OF PASSENGER CARRYING CATAMARAN CRAFT
22. A THEORY ON THE LOSS OF THE MV "DERBYSHIRE"

1992 – Band 134

1. AN INVESTIGATION INTO THE RESISTANCE COMPONENTS OF HIGH SPEED DISPLACEMENT CATAMARANS
2. SURF-RIDING AND LOSS OF CONTROL OF FISHING VESSELS IN SEVERE FOLLOWING SEAS
3. FRV CORYSTES: A PURPOSE-BUILT FISHERIES RESEARCH VESSEL
4. A NEW DANISH FISHERY INSPECTION SHIP TYPE
5. AN INTEGRATED APPROACH TO THE ANALYSIS OF MAST-SAIL SYSTEMS
6. THE OPTIMISATION OF AERODYNAMIC LIFT DISTRIBUTION FOR A HEELED YACHT IN A WIND GRADIENT
7. HYDROELASTIC PERFORMANCE PREDICTIONS FOR THREE SHIPS
8. STRENGTH OF STIFFENED PLATING UNDER COMBINED COMPRESSION AND LATERAL PRESSURE
9. THE DESIGN OF PLATE PANELS SUBJECT TO BIAXIAL COMPRESSION AND LATERAL PRESSURE
10. THE SEAKEEPING DESIGN PACKAGE (SDP) – A TECHNIQUE FOR DESIGNING HULL FORMS FOR A SPECIFIED SEAKEEPING PERFORMANCE
11. DESIGN VISUALISATION OF YACHT INTERIORS
12. THE TYPE 23 DUKE CLASS FRIGATE – THE ROYAL NAVY'S PRIME ANTI-SUBMARINE WARFARE (ASW) FRIGATE FOR THE 21ST CENTURY

13. PRACTICAL SEAKEEPING FOR DESIGN: A SHIP SHAPE APPROACH
14. A METHOD FOR COMPUTING STEM FLOWS WITH AN OPERATING PROPELLER
15. MARINE DESIGN: THE MULTIPLE CRITERIA APPROACH
16. ON THE VARIETY OF MONOHULL WARSHIP GEOMETRY
17. PRODUCTIVITY MEASURES AS A TOOL FOR PERFORMANCE IMPROVEMENT
18. DESIGN AND MODEL TESTS OF TIP FIN PROPELLERS
19. FORCES ON A BODY OF REVOLUTION IN A VORTEX FLOW FIELD
20. THE EFFECT OF HULL SEPARATION AND RESTRICTED WATER DEPTH ON CATAMARAN RESISTANCE

1993 – Band 135

1. THE MANAGEMENT OF WARSHIP DESIGN - THE MOD WARSHIP PROJECT MANAGER'S PERSPECTIVE
2. FROM TROPICALE TO FANTASY: A DECADE OF CRUISESHIP DEVELOPMENT
3. HISTORY AS A DESIGN TOOL
4. PROPULSION AND MANOEUVRING OF A DOUBLE-ENDED FERRY
5. IN SERVICE ASSESSMENT OF SHIP STRUCTURES: EFFECTS OF GENERAL CORROSION ON ULTIMATE STRENGTH
6. MOTION DAMPING OF MARINE AEROFOILS - A COMPARISON OF EXPERIMENTAL MEASUREMENTS WITH THEORY
7. WIND TUNNEL INVESTIGATION OF THE INFLUENCE OF PROPELLER LOADING ON SHIP RUDDER PERFORMANCE
8. THE FREE DECAY OF COUPLED HEAVE AND PITCH MOTIONS OF A MODEL FRIGATE
9. THE TECHNICAL AND COMMERCIAL DEVELOPMENT OF SELF-PITCHING PROPELLERS
10. AN ACCURATE SMOOTH FRICTION LINE FOR USE IN PERFORMANCE PREDICTION
11. IS IT REALLY IMPOSSIBLE TO DESIGN SAFE SHIPS?
12. A METHOD FOR THE INVERSE DESIGN OF DUCTED PROPULSORS OPERATING IN AXISYMMETRIC SHEAR FLOWS
13. ESTIMATING THE INFLUENCE OF WEATHER ON SHIP PERFORMANCE
14. ROWING IN SHIPS AND BOATS
15. MOORED OFFSHORE STRUCTURES: PREDICTION OF ENVIRONMENTAL LOADS, MOTION RESPONSES AND MOORING FORCES
16. RISK ANALYSIS APPLIED TO CAPSIZE OF SMALLER VESSELS IN BREAKING WAVES
17. RIGGING LOADS ON THE YACHT 'NEW ZEALAND' AND RIG DESIGN FORMULAE
18. THE ROLL STABILITY OF SURFACE EFFECT SHIPS

1994 – Band 136

1. A COMPARATIVE STUDY OF US AND UK FRIGATE DESIGN
2. PRELIMINARY WARSHIP DESIGN
3. ON THE CHOICE OF MONOHULL WARSHIP GEOMETRY – A TECHNIQUE FOR OPTIMIZING HULL FORMS FOR SEAKEEPING, HIGH SPEED RESISTANCE AND FUEL CONSUMPTION PERFORMANCE
4. DYNAMIC STABILITY ASSESSMENT OF DAMAGED PASSENGER SHIPS
5. ON THE EFFICIENCY OF A PROPELLER IN UNIFORM FLOW
6. LAW OF COMPARISON FOR ICE RESISTANCE DURING CONTINUOUS ICEBREAKING IN LEVEL ICE
7. STEPS TOWARDS AN OPTIMAL YACHT SAILPLAN
8. THE NAVAL ARCHITECTURE OF EUROPEAN OARED SHIPS
9. HYDROMECHANIC ASPECTS OF THE DESIGN OF FIN STABILISERS
10. STRUCTURAL ACOUSTIC ASPECTS OF POLYMER SANDWICH DESIGN FOR USE IN NAVAL STRUCTURES
11. HULL COLLAPSE OF AN AGEING BULK CARRIER UNDER COMBINED LONGITUDINAL BENDING AND SHEARING FORCE
12. ASSESSMENT OF SHIP SAFETY IN EXTREME STORMS AND USE OF MODELS
13. AN EXPERIMENTAL STUDY OF THE NATURAL FREQUENCIES OF PROPULSOR DUCTS
14. THE WASH OF BOATS ON RECREATIONAL WATERWAYS

1995 – Band 137

1. EXPRESSIONS OF THE BP-DELTA DIAGRAMS IN POLYNOMIAL FOR MARINE PROPELLER SERIES
2. A NEW CRITERION FOR CAVITATION INCEPTION ON MARINE PROPELLERS
3. MANOEUVRABILITY AND STABILITY OF SES AND CATAMARAN VESSELS
4. THE SECURING OF VEHICLES ON ROLL-ON/ROLL-OFF SHIPS
5. PROPELLER SKEW AS A MEANS OF IMPROVING CAVITATION PERFORMANCE
6. THE STRUCTURAL DESIGN OF A DOUBLE HULL AFRA-MAX TANKER
7. INCREASES IN WAVE HEIGHTS OVER THE NORTH ATLANTIC: A REVIEW OF THE EVIDENCE AND SOME IMPLICATIONS FOR THE NAVAL ARCHITECT

8. ELASTO-PLASTIC TRIPPING IN FLATBAR-STIFFENED PLATES UNDER UNIFORM PRESSURE
9. A CRITIQUE ON SAFETY OF SHIPS
10. TRIMARAN SHIPS
11. ADVANCED WARSHIP DESIGN, LIMITED RESOURCES - A PERSONAL PERSPECTIVE
12. THE PRINCIPLES OF PROPULSION OPTIMIZATION
13. TOTAL QUALITY IN A SHIPBUILDING YARD
14. AN IMPROVED METHOD OF PREDICTING THE PERFORMANCE OF MERCHANT SHIPS FROM MODELS

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1. MERCHANT SHIP LOSSES 1934-1993: AN OVERVIEW
2. OPERATING EXPERIENCE OF A PNEUMATIC ANTI-HEELING SYSTEM INSTALLED ON A MONOHULL CRANE VESSEL
3. DETERMINATION OF MANOEUVRABILITY CHARACTERISTICS BY TOW LINE TESTS
4. RESISTANCE EXPERIMENTS ON A SYSTEMATIC SERIES OF HIGH SPEED DISPLACEMENT CATAMARAN FORMS: VARIATION OF LENGTH-DISPLACEMENT RATIO AND BREATHDRAUGHT RATIO
5. STEADY STATE AND TRANSIENT RESPONSES OF BULK CARRIERS AND TANKERS IN RANDOM SEAS
6. FLOODING PROTECTION OF RO-RO FERRIES
7. A REANALYSIS OF THE "LUCY ASHTON" AND "VICTORY" EXPERIMENTS
8. INVESTIGATION OF AN EXTENDED-LEWIS FORM FAMILY OF SHIP SECTIONS AND ITS APPLICATION TO SEAKEEPING OPTIMIZATION
9. A NUMERICAL STUDY OF THE HYDRODYNAMIC FORCES DEVELOPED BY A MARINE PROPELLER
10. DESIGN OF A HYDROFOIL CRAFT CONTROL SYSTEM USING ACCELERATION FEEDBACK AND A PRE-COMPENSATOR
11. FINITE ELEMENT ANALYSIS AND RELIABILITY BASED DESIGN OF EXTERNALLY PRESSURISED RING STIFFENED CYLINDERS
12. MINIMAL RESISTANCE HULLFORMS FOR HIGH-SPEED CRAFT
13. ICE BLOCKED PROPELLER PERFORMANCE PREDICTION USING A PANEL METHOD
14. A COMPACT COMPUTATIONAL METHOD FOR PREDICTING FORCES ON A RUDDER IN A PROPELLER SLIPSTREAM

1997 – Band 139

1. DESIGN FOR ABNORMAL OCEAN WAVES
2. BOW IMPACT LOADS ON RO-RO VESSELS
3. EXPERIMENTAL AND NUMERICAL DETERMINATION OF THE EFFECT OF SECONDARY STRUCTURE ON THE OVERALL COLLAPSE OF IMPERFECT PRESSURE HULL COMPARTMENTS
4. DYNAMIC PLASTIC BEHAVIOUR OF SHIP AND OCEAN STRUCTURES
5. SHIP SUSCEPTIBILITY, LOSS RISK AND MARINE INSURANCE
6. SAFETY OF BULK CARRIERS - ARE TWO SKINS BETTER THAN ONE?
7. ESTIMATION OF VESSEL STABILITY AT SEA USING ROLL MOTION RECORDS
8. EXPERIMENTAL AND NUMERICAL STUDIES OF FORCES ON A SLENDER SHIP
9. AN INVESTIGATION INTO THE EFFECT OF PRISMATIC COEFFICIENT ON CATAMARAN RESISTANCE
10. THE SINKING OF S.S. TITANIC - INVESTIGATED BY MODERN TECHNIQUES

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1. ULTIMATE STRENGTH RELIABILITY OF CORRODED SHIP HULLS
2. THE UNIFIED ANALYSIS OF SPRINGING AND WHIPPING PHENOMENA
3. THE 1995 SOLAS DIPLOMATIC CONFERENCE ON RO-RO PASSENGER FERRIES
4. A SAFETY CASE FOR STENA LINE'S HIGH SPEED FERRY HSS1500
5. THE CONTENTION THAT BULKERS AND TANKERS ARE TOO WEAK IN STORMS
6. APPLICATION OF LARGE PROPELLER TO CONTAINER SHIP WITH KEEL DRAG
7. A UNIFIED MATHEMATICAL MODEL DESCRIBING THE MANOEUVRING OF A SHIP TRAVELLING IN A SEAWAY
8. THE EFFECT OF PRINCIPAL DESIGN PARAMETERS ON BROACHING-TO OF A FISHING VESSEL IN FOLLOWING SEAS
9. ON THE POST-BUCKLING OF CORRODED STEEL PLATES USED IN MARINE STRUCTURES
10. A COMPARISON OF THE MOTION AND RESISTANCE OF A YACHT IN WAVES IN EARTH AND BODY AXES
11. THE EFFECTS OF FREELY SUSPENDED LOADS ON THE DYNAMIC BEHAVIOUR OF SEMI-TRAILERS ON BOARD RO-RO SHIPS
12. ORIGINS OF THE THEORY OF SHIP STABILITY
13. FATIGUE CONSIDERATIONS FOR FRP SANDWICH STRUCTURES OF RNLI LIFEBOATS

14. AN INVESTIGATION INTO THE EFFECTS OF WINGLETS ON YACHT KEEL PERFORMANCE

15. AN INVESTIGATION ON THE FLOODING OF DAMAGED RO-RO SHIPS

1999 – Band 141

1. THE ROYAL CORPS OF NAVAL CONSTRUCTORS TODAY

2. DESIGN CHARTS FOR THE BUCKLING OF RING-STIFFENED CIRCULAR CYLINDERS AND CONES UNDER EXTERNAL HYDROSTATIC PRESSURE

3. ON THE FATIGUE PERFORMANCE PREDICTION OF SHIP STRUCTURAL DETAILS

4. THE SKILLS CRISIS IN THE UK SHIPBUILDING AND SHIPREPAIR INDUSTRY

5. FATIGUE ENDURANCE OF RISER TENSIONER ROPES

6. THE DESIGN AND CONSTRUCTION OF THE OCEAN SURVEY VESSEL - HMS "SCOTT"

7. MOTION LOAD AND STRUCTURAL RESPONSE PREDICTIONS AND MEASUREMENTS ON CFAV QUEST

8. THE QUEST FOR THE TRUE SUBMARINE

9. TIME-BASED SURVIVAL CRITERIA FOR RO-RO VESSELS

10. GENIUS AND ENGINEERING: NAVAL CONSTRUCTORS OF FRANCE, GREAT BRITAIN AND THE UNITED STATES

11. THE DESIGN, DEVELOPMENT AND OPERATION OF THE SHIPBORNE HELICOPTER

12. SEAKEEPING DESIGN OF AN AUTONOMOUS SEMI-SUBMERSIBLE VEHICLE

13. THE RELIABILITY OF FLOATING PRODUCTION SYSTEM MOORINGS

14. COMPARISON OF NUMERICAL EVALUATION TECHNIQUES FOR THE HYDRODYNAMIC ANALYSIS OF A SHIP TRAVELLING IN WAVES

15. MODELLING EXTREME SHIP BEHAVIOUR IN ASTERN SEAS

16. DESIGN AND CONSTRUCTION OF FPSO VESSEL FOR SCHIEHALLION FIELD

2000 – Band 142

1. AN INVESTIGATION INTO THE LOSS OF RMS "TITANIC" CONSIDERING THE ROLE OF THE HUMAN FACTOR

2. DEVELOPMENTS IN COMPUTER AIDED SHIP DESIGN AND PRODUCTION

3. BOTTOM RAKING DAMAGE TO HIGH-SPEED CRAFT

4. SHIP SQUAT OVER A STEPPED BOTTOM: THEORETICAL MODEL

5. A PLANAR FRICTION ALGORITHM AND ITS USE IN ANALYSING HULL RESISTANCE
6. COMPUTATIONAL FLUID DYNAMICS ESTIMATION OF SKIN FRICTION EXPERIENCED BY A PLANE MOVING THROUGH WATER
7. A PROPOSAL OF THE CS-SWATH AS A TRANSOCEAN HIGH SPEED SHIP
8. PRACTICAL EXPERIENCE OF MACHINERY INDUCED VIBRATION AND LESSONS TO BE LEARNED IN SHIP DESIGN AND PROCUREMENT
9. COMPUTATIONAL FLUID DYNAMICS OPTIMISATION ON FLUSH-TYPE WATERJET INLETS
10. THE SURVIVAL OF THE FITTEST – EVOLUTIONARY TOOLS FOR HYDRODYNAMIC DESIGN OF SHIP HULL FORM
11. TANKER STOPPING DISTANCES AND THE PERFORMANCE OF ESCORT TUGS
12. TRANSIENT DESIGN WAVE FOR GREEN WATER LOADING ON BULK CARRIERS
13. DESIGN AND PERFORMANCE CHARACTERISTICS OF SEMI-BALANCED SHIP SKEG RUDDER
14. MOTION AND WAVE LOAD PREDICTIONS AND MEASUREMENTS ON HMCS "NIPIGON"
15. MODELLING TRAILING VORTICES FOR MANOEUVRING CALCULATIONS
16. TIME DOMAIN SIMULATION OF SHIP MOTIONS

2001 – Band 143

1. FATIGUE STRENGTH OF WELDED CONNECTIONS IN OFFSHORE STRUCTURES AND SHIPS
2. „BORGLAND DOLPHIN”: CREATION OF A MODERN SEMI-SUBMERSIBLE DRILLING VESSEL
3. COMPARISONS BETWEEN THEORY AND EXPERIMENT IN A SEAKEEPING VALIDATION STUDY
4. EXPERIMENTAL INVESTIGATIONS OF THE SEAKEEPING CHARACTERISTICS OF FAST DISPLACEMENT CATAMARANS IN HEAD AND ABLIQUE SEAS
5. THE MULTI-CRITERIA VIEW OF THE IMO MANOEUVRING REQUIREMENTS
6. VISCOUS DRIFT FORCES ON SEMI-SUBMERSIBLES
7. AN ANALYTICAL ASSESSMENT OF THE SINKING OF THE M.V. "DERBYSHIRE"
8. STRUCTURAL RELIABILITY OF FIBRE REINFORCED COMPOSITE PLATES
9. AN INVESTIGATION INTO THE INFLUENCE OF HULL APPENDAGES ON THE PERFORMANCE OF AN OMNI-DIRECTIONAL STERN DRIVE TUG
10. EXPERIENCE OF A UK SHIPYARD IN THE 1990S OFFSHORE MARKET

11. WAVE-WAKE CRITERIA AND LOW-WASH HULLFORM DESIGN
12. ON THE INFLUENCE OF THICKNESS VARIATION ON THE POST-BUCKLING BEHAVIOUR OF CORRODED STEEL PLATES
13. A SEAWORTHY "PLANNING" CRUISER/RACER
14. SHIPS AND EFFICIENCY – ONE HUNDRED AND FIFTY YEARS OF TECHNICAL AND ECONOMIC DEVELOPMENTS
15. NUMERICAL CALCULATION METHOD FOR THE HYDROELASTIC RESPONSE OF A PONTOON-TYPE VERY LARGE FLOATING STRUCTURE CLOSE TO A BREAKWATER
16. DETAILED DESIGN AND CONSTRUCTION OF DRILLSHIPS FOR DEEPWATER OPERATIONS
17. A VISUAL EXPERIMENTAL TECHNIQUE FOR PLANING CRAFT PERFORMANCE IN CALM WATER AND IN WAVES

2002 – Band 144

1. THE DYNAMIC BEHAVIOUR OF A MONO-HULL IN OBLIQUE WAVES USING TWO- AND THREE-DIMENSIONAL FLUID-STRUCTURE INTERACTION MODELS
2. PERFORMANCE OF A FAMILY OF SURFACE PIERCING PROPELLERS
3. FLUCTUATING HULL FORCES DUE TO PROPELLER CAVITATION
4. DETERMINATION OF TRANSIENT LOADS ON SURFACE PIERCING PROPELLERS
5. SUBMARINE ICE BREAKTHROUGH
6. TIME SIMULATION OF MANOEUVRING AND SEAKEEPING ASSESSMENTS USING A UNIFIED MATHEMATICAL MODEL
7. A SIMPLE YET RATIONAL APPROACH TO THE PANELLING OF HULL SURFACES
8. A PARAMETRIC STUDY OF THE FAST SAILING SHIP AT THE PEAK OF ITS DEVELOPMENT
9. FUNDAMENTALS OF DAMAGED SHIP SURVIVABILITY
10. ESTIMATION OF SHIP LONG-TERM WAVE - INDUCED BENDING MOMENT USING CLOSED-FORM EXPRESSIONS

2003 – Band 145

1. SHIP SQUAT IN WATER OF VARYING DEPTH
2. EXPERIMENTAL SEAKEEPING OF SEMI-SWATHS AT HIGH FROUDE NUMBER

3. AN INVESTIGATION INTO THE AERODYNAMIC DRAG ON THE SUPERSTRUCTURE OF FAST CATAMARANS

4. INDEPENDANT SAFETY ASSURANCE

5. IDENTIFICATION OF BILGE VORTICES WITHIN CFD SIMULATIONS

6. SEAKEEPING COMPUTATIONS OF SEMI-SWATHS AT HIGH FROUDE NUMBER

7. WAVE RESPONSE OF AN 86M HIGH SPEED CATAMARAN WITH ACTIVE T-FOILS AND STERN TABS

8. ON THE DRAG AND ROUGHNESS CHARACTERISTICS OF ANTIFOULINGS

9. A TIME-DEPENDENT CORROSION WASTAGE MODEL FOR BULK CARRIER STRUCTURES

10. TIME DOMAIN SIMULATION OF SYMMETRIC SHIP MOTIONS IN WAVES

11. NUMERICAL MODELLING OF THE WATER FLOW AROUND A FAST SHIP WITH A TRANSM STERN

12. AUV CONTROLLABILITY WITH CONTROL PLANE FAULTS

13. TURBULENCE FLOW SIMULATION FOR WINGS IN GROUND EFFECT WITH TWO GROUND CONDITIONS: FIXED AND MOVING GROUND

14. A CREATIVE APPROACH TO SHIP ARCHITECTURE

16. THE APPLICATION OF ARTIFICIAL INTELLIGENCE TO ROLL STABILISATION FOR A RANGE OF LOADING AND OPERATING CONDITIONS

17. THE WHIPPING VIBRATION OF LARGE HIGH-SPEED CATAMARANS

18. THE SAFETY OF GENERAL CARGO SHIPS

19. USE OF AN ELECTROMAGNETIC RIM DRIVEN PROPULSOR FOR WATERJET PROPULSION SYSTEMS

T01. SOME PARAMETERS FOR THE DESIGN OF TWENTY FIRST CENTURY SAIL TRAINING SHIPS

T02. AIR CREW TRAINING VESSELS: A STUDY OF THE SYNERGY BETWEEN FAST PATROL AND PASSENGER CRAFT

T03. COMPARISON OF WIND TUNNEL AND FULL-SCALE AERODYNAMIC SAIL FORCE MEASUREMENTS

T04. THE YAW BALANCE OF SAILING YACHTS UPRIGHT AND HEELED

T05. INVESTIGATION OF SLAMMING LOADS USING SLAM PATCHES ON A SCALE MODEL OF AN OPEN60' CLASS YACHT

T06. THE USE OF TACTILE NAVIGATION CUES IN HIGH-SPEED CRAFT OPERATIONS

T07. THE DESIGN OF A BRIGANTINE RIGGED SAILING SCHOOL RESEARCH VESSEL FOR THE SEA EDUCATION ASSOCIATION (WOODS HOLE MASSACHUSETTS)

T08. TANK TESTING AND DATA ANALYSIS TECHNIQUES FOR THE ASSESSMENT OF SAILBOAT HYDRODYNAMIC CHARACTERISTICS

T09. MODEL TESTS TO STUDY CAPSIZE AND STABILITY OF SAILING MULTIHULLS

T10. ANALYSIS OF RUDDER SPAN EFFECTS ON IMS HYDRODYNAMIC INDUCED DRAG

T11. BALANCING RISK AND CHALLENGE IN THE DESIGN AND OPERATION OF SAIL TRAINING VESSELS

2004 – Band 146

MARITIME SECURITY AMENDMENTS TO SOLAS AND THE INTERNATIONAL SHIP AND PORT FACILITY SECURITY CODE

MODEL FREE-MANOEUVRING IN CALM-WATER BY PARTIALLY AZIMUTHING PODDED DRIVE

DYNAMIC POSITIONING SYSTEM APPLIED TO OFFLOADING OPERATIONS: COMPARISON BETWEEN TWO CONTROL STRATEGIES

WAVE INDUCED MOTIONS AND DECK LOADS OF UNBRACED SEMI-SUBMERSIBLES

ON THE DRAG AND ROUGHNESS CHARACTERISTICS OF ANTIFOULING

PRINCIPLES AND CRITERIA FOR ULTIMATE LIMIT STATE DESIGN AND STRENGTH ASSESSMENT OF SHIP HULLS

GEOMETRIC SYNTHESIS OF A 2D SUBMERGED BODY UNDER WAVE ACTION: EXPERIMENTAL AND NUMERICAL RESULTS

USE OF VERTICAL WAVE BENDING MOMENTS FROM HYDRODYNAMIC ANALYSIS IN DESIGN OF OIL TANKERS

ON THE EFFECT OF TANK FREE SURFACES ON VESSEL STATIC STABILITY

TIME-DOMAIN NON-LINEAR STRIP THEORY FOR SHIP MOTIONS

THEORETICAL PREDICTIONS OF STEADY-STATE HYDRODYNAMIC CHARACTERISTICS OF A HIGH-SPEED VESSEL WITH TRANSOM STERN

ATTEMPTS OF MECHANICAL PROPULSION IN 18TH CENTURY SPAIN

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