Phone: Tipton 1881 & 1882

# LLOYD'S LIST

AND SHIPPING GAZETTE

**ESTABLISHED 1734** 

41.075

LONDON: WEDNESDAY, JULY 31, 1946

PRICE TWOPENCE

# 1946

M. WAWN&SON

for SLIP CORRECTOR PROPELLERS THESE ARE AN OUTSTANDING SUCCESS

BRITISH INDIA FREIGHT & PASSENGER SERVICES

AND

P. & O. SAILINGS

FAR EAST

Closing M'bro Closing London Aug 21 (K.G.V. For Straits and Hongkong

P. & O. AND B.I. JOINT SERVICE TO COLOMBO, MADRAS, CALCUTTA, BOMBAY & KARACHI

#### BRITISH INDIA SAILINGS

PORT SUDAN, ADEN and EAST AFRICAN PORTS

NOTE.—Cargo for chipment to India and East Africa must be registered with the appropriate conference.

P. & O. SAILINGS APPLY : 122, Leadenhall Street, E.C.3 (AVEnue 8000); or ESCOMBE, McGRATH & CO., 4, Lloyds Avenue, E.C.3 (ROYal 8211)

B.I. SAILINGS APPLY:

GRAY, DAWES & CO. (Agents), 122, Leadenhall Street, E.C.3 (AVEnue 4680): or GELLATLY, HANKEY & CO., LTD., Dixon House, 1, Lloyds Av., E.C.3 (ROYal 7364)

PASSENGER OFFICES: 14, Cockspur Street, S.W.1 (WHItehall 4444) 122, Leadenhall Street, E.C.3 (AVEnue 8000)

Closing for cargo in London 25 Shed, R.A.Dk. NORTHUMBERLAND ... Aug. 30

For Wellington and Auckland.

All vessels may call at any ports on or of the route and all salings are subject to change, deviation of cancellation with or without notice.

Agents:

J. B. WESTRAY & J., LTD. 138. Leadenhall St., LONDON, E.C.S Telephone No.-Avenue 5220

# THE BANK LINE, LTD.

AMERICAN & INDIAN LINE: To and from India.

BHANCH LINE SERVICES: the U.S.A. & Canada.

AMERICAN & ORIENTAL LINE.—To and from Far
East and U.S.A.

CALCUTTA TO RIVER PLATE PORTS.—To River Plate Ports, calling at Rio de Janeiro when required. INDIAN CHILIAN LINE.—To Chilian and Peruvian

U.S. GULF TO AUSTRALASIA.—Regular service from ali U.S. Gulf Ports to all ports in Australia & New Zealand calling at Trinidad en route when sufficient inducement oners.

INDIAN AFRICAN LINE: Carrying passengers and INDIA—NATAL LINE: Cargo to and from India and South Africa. (Yessels of India Natal Line calling and cargo twosen the cargo that the calling and cargo twosen the cargo that the car For Freight and Particulars apply te-

ANDREW WEIR & CO. 19-21, BURY STREET, LONDON, E.C. 3.

# **AUSTRALIA**

By ABERDEEN & COMMONWEALTH LINE TO FREMANTLE (PERTH), ADELAIDE MELBOURNE, SYDNEY and BRISBANE. Also sailings direct for GEELONG, GLADSTONE, TOWNSVILLE and CAIRNS

88, Leadenball St., I:ONDON, E.O. J. Ave 4232 (15 lines

#### SHAW SAVILL LINE SOUTH AFRICA . AUSTRALIA **NEW ZEALAND**

All enquiries to—

Leadenhall St., LONDON, E.C.3
Telephone—Avenue 4232 (15 lines)

HARRISON LINE CAPE TOWN, PORT ELIZABETH, EAST LONDON DURBAN, LOURENCO MARQUES & BEIRA

STEAMER — London For freight apply to THOS. & JAS. HARRISON, Live pool & London, or to JOHN T. EENNIE, SON & CC. I. Bury Court, St. Mary Aze, London, E.C.3. Middle trot: JOHN M. LENNARD & SONS, Ltd. Yorkshire N.E. Conties: R. THOMAS & CO., Bradford & Shefilel Classyow: PRENTICE, SPEYVICE & HENDERSON.

# AN LINE

CARGO SERVICES

Between the

UNITED KINGDOM

AND

SOUTH & EAST AFRICA CEYLON & INDIA

For all information apply to-CAYZER IRVINE & CO., LTD.,

The Managers of The Clan Line Steamers Ltd. LONDON: 2, St. Mary Aze, E.C. 3. EIVERPOOL: Royal Liver Building.
GLASGOW: 109, Hope Street. Or to—
OLAN LINE (Agencies) Ltd., MANCHESTER,
BIRMINGHAM.

## ELLERMAN GLEN & SHIRE CARGO & PASSENGER

INDIA

HALL LINE : CITY LINE SOUTH WALES, GHASGOW & BIRKENSKAD TO BOMBAY & KARACHI MARMAGAO & MALABAR COAST PORT OKHA & BEDI BUNDER (other Kathiawar Ports II Indiagement)

OALOUTTA (Vizagapatam if inducement)
Marmagao Service in conjunction with
F. C. STRICK & Co., Ltd. Loading Berths: Princes Dock, Glasgow; Alexandra Dock, Newport; King's Dock, Swansea; East and West Float, Birkenhead.

PORTUGAL& MEDITERRANEAN

ELLERMAN LINE

Glasgow, Liverpool and South Wales to
GIBRALTAR, MALITA, EGYPT, PALESTINE,
SYRIA, CYPTUS, ITALY, ADRIATIC,
GREECE, LEVANT, TURKISH AND
BLACK SEA PORTS
Liverpool and South Wales to—LIBBON & OPORTO.
London to OPORTO.\*

\*Brokers: Coverley, Westray, Walbanm & Tosetti,
Walsingham House, London, E.C.

PAPAYANNI LINE From Gleegow, Liverpool and South Wales to-HIBRALITAR, MALTA, EGYPT, PALESTINE, SYBIA, CYPRUS, GREECE, LEVANT, TURKISH AND BLACK SEA PORTS.

Liverpool Loading Berth No. 1 Branch—Alexandra Dook,

WESTCOTT & LAURANCE LINE TOM LONDON and EAST COAST PURTS of UNITED LINGDOM SISO ANTWERP to CHERALLAR, IAITA, EGYPT, CYPRUS, PALESTINE, SYRIA and REEK, TURKISH, BULGARIAN, ROUMANIAN and RUSSIAN BLACK SEA PORTS.
London Loading Berth: West India Dook,

SOUTH & EAST AFRICA ELLERMAN & BUCKNALL LINE From MIDDLESBROUGH & LONDON to CAPE TOWN, MOSSEL BAY, PORT ELIZABETH, EAST LONDON, DUEBAN, LOURENCO MARQUES, BETRA & MAURITIUS,

London Loading Berth: Royal Albert Dock. MALAYA, PHILIPPINES, CHINA ELLERMAN & BUCKNALL LINE

From MIDDLESBROUGH & CONTINENT to FAR EAST PORTS as opportunity offers. Brokers: Killick, Martin & Co., Fenton House, Fencharch St., London, E.C. 5.

Head Offices of the Companies: 104-107, Leadenhall St., LONDON, E.C.3
Telephone: AVEnue 1011.
Tower Building, LIVERPOOL 75, Bothwell St., GLASGOW, C.2

### JOHNSTON LINE

LONDON to BOSTON

For Freight or other particulars apply to-JOHNSTON WARREN LINES, LIMITED Furness House, Leadenball St., London, E.C.: 53, King Street, Manchester; Royal Liver Building, Liverpool.

# BEN LINE STEAMERS

## FAR EAST

M'bro A'werp London Steamer

BENLAWERS — — — 2 Ang
\*BENLAWERS — — — 2 Ang
\*Calling Port Said, Penang, Singapor
Port Swettenham, and Hongkong.
†Calling Snez, Pe ang, Port Swettenham,
Singapore and Hongkong.
Port Said and Snez cargo only accepted when taken
off the respective registers.
London Loading Berth: No. 9/11, King George V. Dock,
Cargo should not be despatched to Docks without reference to Brokers.

KILLICK MARTIN & CO. (Brokers).
112/114 Fanchurch Street, London, E.C. 3

WM. THOMSON & CO., EDINBURGH & LEITH (Managers).

# YEOWARD LINE REGULAR SERVICE FROM

LIVERPOOL to LISBON, MADEIRA & CANARY ISLANDS rther particulars and rates of freight, apply to YEOWARD BROTHERS, 33/5, Victoria Street, LIVERPOOL. 1.

#### FURNESS LINE

LONDON to NEW YORK
LONDON to HALIFAX and MONTREAL,
LIVERPOOL to ST. JOHN'S, N.F., HALIFAX, N.S
and BOSTON.

PARPOOL to BY, JOHN'S, N.F., HALIFAX, 1
and BOSTON.
LIVERPOOL to ROSTON
GLASGOW to BOSTON
HANCHESTER to LOS ANGE:
SAN FRANCISCO, VICTORIA, B.C.
VANCOUVER, B.C., NEW WESTMINSTER
and SEATTLE
and SEATTLE

#### JOHNSTON LINE

From LIVERPOOL
Closing Swansea Closing L'pool

For HAIDAR PASHA and ISTANBUL, PIRÆUS VOLO, THESSALONIST, BOURGAS, CONSTANTZA and GALATZ.
Loading Berth—Liverpool, South Hornby Dock. JOHNSTON WARREN LINES, LTD., Furness House, Leadenhall St., London, E.C. 3; 53, King St., Manchester.

FURNESS, WITHY & CO., LTD. LONDON, LIVERPOOL GLASGOW, &c

#### **MOSS HUTCHISON** LINE

From Liverpool

CASABLANCA, GIBRALTAR, ALGIERS, MALTA, ALEXANDRIA, CYPRUS, PALESTINE AND SYRIAN COAST PORTS DIRECT. PIRÆUS, THESSALONIKI (Salonika), IZMIR. ISTANBUI, BOURGAS, VARNA AND CONSTANTZA. Also from Glasgow, Swansea and Newport, Above Services temporarily suspended,

To and From

BORDEAUX, NANTES AND ROUEN. Sailings temporarily suspended.
OPORTO and Glasgow and Dublin. CADIZ and Glasgow, Liverpool and Dublin. SAILINGS BY ARRANGEMENT UNTIL FURTHER NOTICE.

For Freight apply to MOSS HUTCHISON LINE LTD., 30. James Street, LIVERPOOL, 2 FLABOOW AND MANCHESTER

JOINT SERVICE FROM ANTWERP, MIDDLESBROUGH and LONDON to

### FAR EAST

Closing M'bro London (No. 9 K.G.V.Dk. TEMPIRE COLNE Aug 2 §DENBIGHSHIRE

SDENBIGHSHIP Aug 8
SZECHUEN Aug 8
Port Said, Penang. Singapore, Hong Kong and Shanghai
Port Said, Port Swettenham, Hong Kong and Shanghai Cargo can only be accepted by arrangement through the Company's Brokers.

For Inward Freight: GLEN LINE, LTD., 20, Billiter St., London, E.C. 3 (Royal 8171) For Outward Freight, Passage or Insurance McGREGOR, GOW & HOLLAND, LTD. 20, Billiter St., London, E.C. 3 (Royal 5600 And at Hull, Bradford, Grimsby, Immingham Middlesbrough, Southampton and Hamburg or McGregor, Gow & Robinson Ltd.. Liverpool

#### ELDER DEMPSTER LINES

Head Office: 3, Linnet Jane, Liverpool 17
City Office: India Building, Water St., Liverpool 2,
London: Fenton House, 112-114, Fenchurch Sc., E.C.3
Manchester: 76, Cross St. Cardiff Agents: Elder
Dempster (Cardiff) Lid., Empire House, Mount Stuart
Sq. Glasgow Agents: Roxburgh Colin Scott & Co.,
Lid., 59, Buchanan St., C. 1.
London Freight Agents: Killick Martin & Co.,
Fenton House, 112-114, Fenchurch St., E.C. 3,

MAIL, PASSENCER AND CARGO SERVICES
BETWEEN U.K., CONTINENT, U.S.A.,
CANADA AND WEST AFRICA.

(All cargo must be registered).

Castal Service between West and South Africa Calcutts,

Bombay and Madras to West Africa (as cargo offers).

CANADA TO SOUTH AFRICA.

THE UNION-CASTLE MAIL S.S. CO., LTD.

# MEDITERRANEAN

GIBRALTAR, CASABLANCA, MALTA PATRAS, PIRAEUS, THESSALONIKI, IZMIR, HAIDAR PASHA, ISTANBUL, BOURGAS, VARNA, CONSTANZA.

WEST ITALIAN & ADRIATIC PORTS. Sallings for all above will be announced as arranged. CHANNEL ISLANDS

STEAMER ... Closing for cargo July Loading Berth : Huskisson Dk, South No. 1, Liverpool. NOPTH FRENCH PORTS

STEAMEL ... ... Closing for Cargo July Loading Berth: E. Toxteth Dock fieldht rates quoted on application

Cunard Line, CUNARD BUILDING, LIVERPOOL. (TEL. CENtral 9201) OR LOCAL AGENTS.

### OUTH AMERICAN JAINT LINE

REGULAR SERVICE From Hull and Antwerp to ARGENTINE & BRAZILS

Closing Hull Antwerp THE TOTAL THE TO 31st July 28th Aug 31st Aug +For Brazils and Argentine.

For full particulars apply to-THE SOUTH AMERICAN SAINT LINE, LTD. Head Office—Temporary Address: Powell Duffryn House, CARDIFF

or
LONDON-Bevis Marks House, E.C.3
(Telephone: AVEnue 1901)
BIRMINGHAM-Maurice Cooke & Co.,
13, Corporation St.
GLASGOW-Andrew Crawford & Co., Ltd.
HULL-Wm. Brown Atkinson & Co., Ltd.
LIVERPOOL-Canada S.S. Lines
(Overseas) Ltd., 10, Victoria St.
ANTWERP-A/M de Keyser Thornton, S.A. Also at Bristol, Bradford, Shoffold, Leeds, Newcastle Middlesbrown, Southampton,

SPAIN AND MOROCCO

LONDON, LIVERPOOL & PRINCIPAL U.K. PORTS EXPRESS SERVICE By Fast Motorships LONDON AND LIVERPOOL TO BARCELONA

HALL'S LINE LONDON TO LISBON

#### Express Service by Fast Motorships LONDON TO GIBRALTAR

GLYNN LINE LIVERPOOL to ITALY and SICILY

FOR FULL PARTICULARS OF CLOSING DATES AND FREIGHT RATES APPLY TO-MAC ANDREWS & CO., LTD.

19, LEADENHALL ST., LONDON, E.C.3
'Phone: MANsion House 1543
Tels.: "Macandrew Stock London" CUNARD BUILDING, WATER ST., IJVERPOOL 'Phone: CENtral 3922 Tels.: "Iberia, Liverpool" LLOYD'S AGENTS at

Madrid, Barcelona, Tarragona. Castellon, Burriana, Valencia, Denia, Carthagena, Almeria, Malaga and Seville, with Branch Houses also at Bilbao and Gandia AGENCIES IN ALL OTHER PRINCIPAL PORTS JOHN HALL Junr. & CO., LTD. 19, LEADENHALL STREET, LONDON, E.C. 3 'Phone MANsion House 1543
'Grams: "Juanal Stock London'

JOHN GLYNN & SON, LIMITED OUNARD BUILDING, WATER ST., LIVERPOOL 3

Phone: CENtral 3922

# Cunard White Star

UNITED STATES CANADA

SOUTHAMPTON to NEW YORK LIVERPOOL to NEW YORK

VASCONIA (via Belfast)

Receiving Cargo

July 24 to Aug. 3 LIVERPOOL to MONTREAL Receiving Cargo To be announced

Loading Berth: Huskisson Dock

LONDON to NEW YORK FORT CADOTTE ... Aug. 2 to Aug. 8 Loading Berth : 11 Shed, Royal Albert Dock FORT CADOTTE ...

**LONDON** to MONTREAL Receiving Cargo Loading Berth: Shed 7, King George V Dock Loading Berth: C Shed, Victoria Dock

CUNARD WHITE STAR, LTD. Cunard Building, L'pool, 3. (Tel. CENtral 9201.)

Offices also at-London, Southampton, Manchester, Birming-ham, Bradford, Bristol, Plymouth, Glasgow, Cobb, Belfast, Dublin.

# LAMPORT & HOLT

To RIVER PLATE (Monte Video. Buenos Aires and Rosario) and, if sufficient inducement offers, Bahia Blanca (without transhipment)

To BRAZIL (Bahia, Rio de Janeiro, Santos, Rio Grande do Sul)

Cargo for Pelotas and Porto Alegre by transhipment at Rio Grande do Sul. First Class Passenger Accommodation on all

From NEW YORK to NORTH BRAZIL REGULAR FREIGHT SERVICE

Full particulars of sailings and closing dates. freight and insurance, can be obtained from any of the addresses given below-LAMPORT & HOLF LIPF Ltd.

Royal Liver Building, Liverpool 85, Gracochurch Street, London, E.O.3 64, Cross Street, Manchester Britannia House, Leeds Road, Bradford and 24, State Street New York

#### **BLUESTAR LINES** EXPRESS LINER SERVICES

WEST INDIES and SPANISH MAIN SOUTH AFRICA AUSTRALIA BRAZIL & ARGENTINA

BLUE STAR LINE LONDON, 31-33, LIME ST. E.C. 8 BIRMINGHAM and MANCHESTER LIVERPOOL: LAMPORT & HOLT LINE LTD., GLASGOW: J. S. NOWERY & CO. Chief Passenger Office: 3. Lower Regent St.: 8.W.1

ELLERMAN LINE SERVICE HARRISON LINE

NEWPORT, GLASGOW & BIRKENNEAD
TO CAPETOWN. MOSSEL BAY, PORT ELIZABET L
EAST LONDON, MAURITIUS, DURBAN,
LOURENCO MARQUES and BEIRA
Particulars of Sailings, etc., from the Agents:—
Staveley Taylor & Co., Mersey Chambers, Liverpool
(Loading Brokers). Gellatly, Hankey & Co., Ltd.,
London. Jones, Heard & Co., Ltd., Newport, Mon.
H. Spencer Yates, Birmingham. J. W. Jones & Sons,
Manchester. R. Thomas & Co., Bradford. C. Shaw
Lovell & Sons, Ltd., Sheffield. Morison, Pollexfen and
Blair, Ltd., Preston and Bradford. Burgess & Co.
Ltd., Swansea.

Ltd., Swansea.

Or the Owners: Thos. & Jas. Harrison, Liverpool & London. Hall Line, Limited, Liverpool. The City Line, Ltd., Glasgow, C. Cargo bookings are only made conditional upon the vessel named herein. or if no vessel is named a suitable vessel being available to the voyage and is subject to eny direction or souterly by the British Government.

#### DENE SHIPPING CO., LTD. Shipowners Regular Line-

RIVER PLATE/AVONMOUTH Head Office—
25, ST. MARY AXE, LONDON, E.C.3
AVEnne 4410
Also at PORTFIELD HOUSE CARDIFF DOCKS

To WEST COAST SOUTH AMERICA via HAVANA NEW FAST SERVICE

CUBA, COLOMBIA, ECUADOR, PERU AND CHILE

M.V. SAMANCO Receiving July 31 to Aug. 12 M.V. SALAVERRY Receiving Aug. 12 to Aug. 24 PORTUGAL-BELGIUM-FRANCE Loading Berth: No. 1, North Canada Dock, provided with full haulage facilities. THE PACIFIC STEAM NAVIGATION

COMPANY

LIVERPOOL—Pacific Building, James Street (2) LONDON AGENTS—Royal Mail Lines, Leadenbal St., E.C.3; FREIGAT—McGregor, Gow & Holland, Ltd. 20 Billiter St., E.C.3

SERVICES from UNITED KINGDOM & NEW YORK AUSTRALIA & NEW ZEALAND

For further information apply to-PORT LINE, LIMITED OUNARD HOUSE, 88, LEADENHALL ST. LONDON, E.C. 3

Telephone: AVEnue 1270

AMERICA FRANCE LINE. ORIOLE LINE AMERICAN MERCHANT LINES. AMERICAN HAMPTON ROADS LINE. RECULAR FREQUENT FREIGHT SERVICE

# BOSTON

From LONDON \*AMERICAN FARMER \*STEAMER Loading Berth : No. 22 Shed, Royal Albert Dock

\*MUNCIE VICTORY ... July 24—Aug I †§MORRIS HULLQUIT ... Aug 5—Aug 8 Loading Berth-N.E. No. 2 Gladstone Dock From BELFAST MORRIS HILLQUIT ... Aug 5-Aug 9 Aug 19-Aug 23

From LIVERPOOL

Loading Berth: No. 3 Dufferin From GLASGOW \*AMERICAN BUILDER \*STEAMER ... ... Loading Berth: 6 Yorkhill
\*New York only \$Boston and New York
†Via Belfast

Also from SOUTHAMPTON, HULL, BRISTOL CHANNEL, and BAST COAST PORTS CONTINENTAL SAILINGS

FOR New York only Closing tHENRY BALDWIN- from Antwerp Aug 2 PARNARD VICTORY. from Rotterdam Aug 18 DURANGO VICTORY from Rotterdam Aug 22 AMERICAN CLIPPER from Havre Aug 31 JAMES BENNETT MOORE from Havre Aug 32 HENRY BALDWIN ... from Bordeaux Aug 32 \*\* VIC Potterdam \*\* VIC Pott \* Via Rotterdam †Via Bordeaux

For full particulars, apply to:—
LONDON—38, Leadenhall Street, E.C. 3
(Tel. No. Royal 6677)
LIVERPOOL—Wellington Bldgs., 7, The Strand
(Tel. No. CEN. 1931-6)
PARIS—10, Rue Auber ANTWERP—61, Rempart St.
Catherine GLASGOW—W. B. Woolley & Co., Ltd.,
179, West George Street, C.2. (Tel. No. Cent. 053BELFAST—Henry Gowan & Co., Nortish Provi ent
Bldgs., 7, Dorowall Sauste Wei, Relfast (Fel. No.
Belfast 25451) MANCHESTER—Herbert Watson & Co.,
Ltd., 2 Bank Street, 2 (Tel. No. BLAckfrings 5881;
ROTTERDAM—Rotterdamsche Oceaan Sheepsvaart
Maatschappy, Westzeedijk, 104.
Agents at ALL Principal Ports

For full particulars, apply to :-

Agents at ALL Principal Ports

### MODERN FLEET OF STEAMERS & MOTOR VESSELS

Ranging from 3,000 to 14,600 Tons

STANHOPE STEAMSHIP CO., LTD. Managers-J. A. BILLMEIR & CO., LTD 62. LONDON WALL, LONDON, E.C.2 Telephone-Metropolitan 0611

Telegrams-"Billmeir London"

And at CARDIFF. GLASGOW, NEWCASTLE& HULL

#### STRICK AND ELLERMAN LINE

REGULAR AND DIRECT SERVICE To PERSIAN GULF from London, Glasgow & Manchester with occasiona sailings from a SOUTH WALES PORT

For freight, passage, etc., apply to-FRANK C. STRICK & CO., LTD. 117-121, Leadenhall Street, London, E.C. 3 Telephone: Avenue 4650 (7 lines)

# UNION - CASTLE

SOUTH AFRICA WEST & EAST AFRICA MAIL SERVICE to Capetown, Port Elizabeth, East London and Durban

Rast London and Durban
INTERMEDIATE SAILINGS TO
WEST. SOUTH AND EAST AFRICA
Lobito, Walvis Bay, South African Ports (including
Mossel Bay), Lourence Marques, Beira and East
African Ports to Mombass
Direct Cargo Service—New York—S. & E. Africa
For further particulars apply to—
THE UNION-CASTLE MAIL STEAMSHIP CO., LTD.
Head Office—J. Fenchurch Street, LONDON, E.C.3 Head Office—3, Fenchurch Street, LONDON, E.C.3
Tel. No.—MANsion House 2550
Eranches at Southampton, Birmingham, Leeds
Manchester and Glasgow.
Agents in Miodlesbro!—T. A. Rulmer & Co.

## NORTON LINE

REGULAR SERVICE

and vice-versa

SPRINGWOOD (or Substitute) Aug. 8 ANDONI \*Calls Rouen if inducement. Agents: Howard Tenens Ltd., Bevis Marks Ho., E.C.3 Norton & Co., Ltd., Misbon. A. M. De Keyser Thornton, Antwerp.

Chief Passenger Office-14, Cockspur Street, S.W.1 Telephone-WHI. 6981. Branch Office-1, Australia House, Strand, W.C. Telephone-TEM, 2258,

**SWANSEA** FAR EAST AND JAVA

ASPHALION July 26 Balik Papar

GLAUCUS

SINKIANG

Before dispatch of goods Shippers must

BURGESS & CO., LTD. Swansea.
T. H. COUCH. LTD. Swansea.
JONES, HEARD & CO., LTD., Newport.
ROXBURGH, COLIN SCOTT. Glasgow.

AUCKLAND WELLINGTON LYTTELTON DUNEDIN ESSEX

FREMANTLE ...
ADELAIDE ...
MELBOURNE ...
SYDNEY

MARWOOD & ROBERTSON LIVERPOOL & MANCHESTER JAMES DOWIE & CO.

U.K. TO AND FROM CANADA r full particulars, sailings, freight, etc., apply to-CAIRNS, NOBLE & CO., LTD., NEWCASTLE-ON-TYNE

Despatch Steamers from GLASGOW and BIRKENHEAD for STRAITS and FAR EAST.

# **GRACE LINE**

Bills of Lading via New York to WEST COAST SOUTH AMERICA AND

For rates and information apply—
LIVERPOOL—E. H. Mundy & Co. (L pool), Ltd., 41.
North John Street, Liverpool. (Tel: Central 4711s
GLASGOW — Gillespie & Nicol (Glasgow), Ltd., 68.
Gordon Street, (Tel.: Central 6623). Gordon Street. (Tel.: Central 0525).

HULL: Oughtred. Harrison, G. Silver Street.
Hull. (Tel.: Hull 36,999).
Or to the General Freight Agents for the U.K.

E. H. MUNDY & COMPANY, LIMITED, Walsirgham
House, Recthing Lanc. E.C. 3. (Tel.: Royal 465).

BEAVERDELL Loading berth: D Berth, Victoria Doel BEAVERGLEN VERGLEN Aug 9 to Aug 10 Confect to Classes Loading berth: To be announced.

Liverpool—Montreal RECEIVING CARGO LORD O'NEILL ... July 31 to Aug. 14

Antwerp-Montreal RECEIVING CARGO Aug. 19 to Aug. 20

For Information, communicate with

103, Leadenhall Street, E.C.3 (Avenue 4707) or Liverpool, Bristol, Manchester, Belfast Birmingham, Sheffield, Glasgow, Dundes, Parie and Antwerp.

Managers-Anderson, Green & Co., Ltd., 7, Bishopsgate London, E.C.2. Telephone-MAN, 3456

# BLUE FUNNEL LINE

GLASGOW, BIRKENHEAD AND

CLOSING FOR CARGO

Sw'sea Gl'gow B'head Cargo for
July 26 Port Said
Port Swettenham July 26 Port Sa

Aug. b — Shanghai Hongkong via N. American Ports and Kingston Aug. 1 Aug. 6 Port Said Port Swettenham

# **AUSTRALIA**

From MANCHESTER and From LIVERPOOL ... AUG. 13 AUG. 15

All dates and sailings are subject to charge, substitution or cancellation with or without notice Particulars of passenger service on application

CAIRN-THOMSON LINE CAIRN LINE OF STEAMSHIPS, LTD.) REGULAR SERVICES, EAST COAST

GELLATLY, HANKEY & CO., LTD.

FAR EAST.

For Freight, Passage and Insurance apply to
Gellatly, Hankey & Co., Ltd., Dixon House, 1,
Lloyds Avenue, E.C. 3, and 62, Pall Mall, S.W. 1

Manchester, Liverpool, Glasgow.

fast regular weekly services on through

CARIBBEAN PORTS

Canadian Pacific CANADA & U.S.A.

London-Montreal RECEIVING CARGO

Loading berth: North No. 1, Gladstone Dock.

CANADIAN PACIFIC Trafalgar Square, W.C.2 (Whitehall 5100), or

# BEAVERBURN

BRAZIL, URUGUAY AND ARGENTINA From Liverpool M.V. PARDO Rio de Janeiro, Santos 1st-half & Rio Grande Augu s.s. TWEED Montevideo & 1st-half Buenos Aires

From London m.v. DARRO

m.v. DESEADO

VESSEL SPANISH MAIN, CENTRAL AMERICA AND

NORTH PACIFIC From London

ROYAL MAIL LINES. LTD. LONDON: Royal Mail House, Leadenhall St., E.C. 3 LIVERPOOL: The Pacific Steam Navigation Co., AGENTS | Pacific Building, James Street (2)



# OFFICIAL NOTICES

# A SHIP'S NAME

### OFFICIAL NOTICES

PROPOSAL TO CHANGE A SHIP'S NAME

ment, re conditions of sale, I have applied

169401, of gross tonnage 965 tons, of regis-

ter tonnage 536 tons, heretofore owned by

Ministry of Transport, of London, for per-

mission to change her name to "ROCQUAINE," to be registered in the

said new name at the Port of Glasgow

as owned by Onesimus Dorey & Sons, Ltd.

of name must be sent to the Registrar-

General of Shipping and Seamen, Llan-

trisant Road, Cardiff, within seven days

from the appearance of this advertisement,

July, 1946.

Dated at Guernsey, this 29th day of

PROPOSAL TO CHANGE

A SHIP'S NAME

LIMITED, of 70. Bute Street, Cardiff,

quence of our agreement with the

Minister of Transport, from whom the

vessel was purchased in March, 1946, and

our desire to maintain the uniformity in

Section 47 of the Merchant Shipping Act,

1894, in respect of our ship "EMPIRE

169115, of gross tonnage 7296.73 tons, of

register tonnage 4936.42 tons, heretofore owned by Reardon Smith Line, Limited, of 70. Bute Street, Cardiff, for permission to change her name to "CORNISH CITY," to be registered in the said new name at the Port of Bideford, as owned by Reardon Smith Line Limited

For and on behalf of REARDON SMITH LINE, LIMITED,

PROPOSAL TO CHANGE

A SHIP'S NAME

A. J. POPHAM, Director.

Company at 70. Bute S 29th day of July, 1946.

CHEER," of Sunderland, official number

HEREBY GIVE NOTICE that, in conse-

REARDON SMITH LINE,

CECIL DOREY.

Any objections to the proposed change

the Ministry of Transport, under

I, CECIL DOREY, Managing Director The Editorial, Advertisement and Publishing of Onesimus Dorey & Sons, Ltd., Guernsey, HEREBY GIVE NOTICE that, in conse-Offices of "Lloyd's List and Shipping Gazette" quence of Ministry of Transport agree

LLOYD'S, LONDON, E.C. 3

LLOYD'S LIST

SHIPPING GAZETTE

(Established 1734)

Telephone: Avenue 7644 (Private Exchange) LIVERPOOL OFFICE:

Section 47 of the Merchant Shipping Act, 1894, in respect of my ship "EMPIRE Mr. A. C. DOUGLASS, 15, Tithebarn Street, RIDER," of Glasgow, official number Liverpool, 2 Telephone: Central 2034

The Committee of Lloyd's do not guarantee the accuracy of the information contained in LLOYD'S LIST & SHIPPING GAZETTE, nor do they accept responsibility for errors or omissions or their consequences

WEDNESDAY, JULY 31, 1946 High Water, London Bridge ... 04 50 17 04 

 Righ Water, Liverpool
 ...
 ...
 .01
 49
 14
 15

 Sun Rises
 ...
 05
 19
 Sun Sets
 ...
 20
 53

 Moon Rises
 ...
 08
 41
 Moon Sets
 ...
 22
 43

 The above times are B.S.T.

#### TO-DAY'S WEATHER Meteorological Office Forecast

Advance forecast for the 18 hours ending midnight to-night:

General Inference: A vigorous depression is moving quickly East across bably not unfavourable. The same Scotland. There will be bright periods could not be said at the moment with in all districts, with scattered showers regard to chartering agents, whose in the South, and more general showers activities were still very limited owing in the North. Rather cool or cool,

Further outlook for the British the names of our vessels, we have applied Isles: Fair in the South-East; scatto the Minister of Transport, under tered showers in the West and North, followed later by rain. Rather cool.

#### ATLANTIC CONFERENCE

#### Scope of New Agreement

smith Line, Limited.

Any objections to the proposed change of name must be sent to the Registrar-General of Shipping and Seamen, Llantisant Road, Cardiff, within seven days from the appearance of this advertisement.

Dated at the Registered Office of the Company at 70, Bute Street, Cardiff, this 20th day of July 1946. According to the New York "Joursteamship lines operating in the North brokers were actually worse off now Atlantic have agreed to establish a than they were during the war. During new Atlantic Conference with autho- the past few months the question had senger traffic between United States Atlantic and Gulf ports and a large range of European ports extending tries concerned. In particular, many from Northern Europe to the Mediterranean and Black Sea, and the ports of Morocco, Madeira and the Azores.

Parties to the agreement are: American Export Lines, American President Lines, Anchor Line, Canadian Pacific, French Line, Cunard White Star, East Asiatic Company, Donaldson Atlantic Line, Furness, Withy & Co., Gdynia-American Shipping Lines, American Scantic Line, Holland-America Line, Norwegian-Line and United States Lines

It may be recalled that at meetings held in London last February it was decided to re-establish the Atlantic Conference and an agreement which | was adopted was, it was then stated. to be submitted at once to the United cipals but to the common good. States Maritime Commission required by the United States Shipping Act.

#### INDUSTRIAL RELATIONS

#### Government Consultation with **Employers and Workers**

determination of terms and conditions years must cease. the two sides and the Government. This true to its promise, abolished it when will enable both sides to have before the U.M.A. period came to an end. but them the fullest possible information he was as firmly convinced as he was regarding the general economic posi- of anything connected with the Instition and plans as they affect matters tute that they had done a wise thing of common interest to employers and in agreeing to that stipulation at that

Accordingly, it is proposed to estab- stances then prevailing. such matters between the Government and the two sides of industry responsible for the machinery of collective hargaining. It is hoped by this means that the Government will have a ready means of obtaining an authoritative and representative view on problems as they arise and that the organisations of undoubtedly sound.

Mr. R. J. Simpson (chairman of employers and workers will have a factors relevant to their consideration.

The Minister has already had a discussion with his National Joint Advisory Council, who have readily expressed their willingness to co-operate. The first meeting of the reconstituted Council will be held at an early date.

#### DANISH PRODUCE STEAMER AT NEWCASTLE

From Our Own Correspondent

The Danish steamer Hroar is discharging 800 tons of produce at Newcastle Quay, and the Thyra is due next week. It is hoped that this trade will show development as Danish farming resumes normal production. Before

#### SHIPBROKERS

#### Contrast in London and **Provincial Positions**

The annual meeting of the Institute of Chartered Shipbrokers was held yesterday in the Merchants' Hall of the Baltic Exchange, under the presidency of Mr. H. O. Roberts.

had been the custom for many years for the president briefly to review the activities of the Institute during the previous 12 months. Since 1939 those reviews had necessarily dealt with wartime conditions, but the year immediately under review was the first of what might be termed the post-war period. Reference to previous reports would show that they had been of a somewhat gloomy nature, but this year he was happy to be able to state that in some directions at least very genuine improvements had taken place. Shipbrokers in London, for example, were undoubtedly much more active than they had been during the war years, and future prospects were proto the continued bulk buying. However, the various pools which had been set up were undoubtedly proving of real help in many directions.

#### THE PROVINCES

When, however, we considered the position of shipbrokers in the provinstate of affairs, owing largely to the restricted export of coal. There was no doubt at all that provincial members were facing a very serious situation. and he had been given facts and figures which showed that in some districts received the active and sympathetic consideration of the Council, and steps had already been taken to place the facts fairly before the several Minisof their provincial members were finding that bugbear of "merchants" making an unwelcome reappearance in several markets.

From a national point of view a shipbroker's usefulness, he ventured to say, was now generally recognised and not to whom it had been a privilege and a pleasure for the Institute to render a considerable amount of assistance American Line, Swedish-American during the past difficult years. It was always dangerous to prophesy the of all kinds. The May Queen was their course of events, but he was convinced first post-war order. that as long as the shipbroker continued to equip himself professionally and to be prepared to adapt himself to ever changing conditions, he would continue to render a useful and valuable service not only to his immediate prinmust add, however, that in order to maintain the world predominence of the Baltic and provincial exchanges, the ability and enterprise of the shipbroker must be given free play.

Since the derequisition of British vessels, the onus had been placed, and rightly, on the owners, and, therefore, on their brokers, to see that the terms and conditions of charter parties were correctly documented. The time had In reply to a question in the House gone when it did not matter whether of Commons vesterday, Mr. Ness the vessel loaded under her minimum 2 per cent, to 3 per cent, as from Edwards, Parliamentary Secretary to or over her maximum, whether she Sept. 1, and designating under Sect. 12 the Ministry of Labour, said: It is the missed her cancelling date or not, and of the Act employment as passenger declared policy of the Government to the laxity into which many of them, electric lift attendant and as car park entrust the responsibility for the he must admit, had fallen in recent attendant, from the same date.

time and in the particular circum-

#### INCREASED MEMBERSHIP

He was happy to report that the membership of the Institute continued to increase, and as they would have seen from the balance sheet, while there was a slight excess of expenditure over

regular means of assessing all the council) seconded the adoption of the report, and this was agreed.

Mr. Simpson also expressed the thanks and appreciation of the Council for the good services rendered by the retiring president.

The President announced that the following members had been elected to the Council: Messrs. A. H. Coates (London), G. Dixon (Newcastle-on-Tyne), D. J. Donaldson (London), A. Harrison (Middlesbrough), O. J. Knudsen (Manchester), G. F. Mason (London), A. Rutter (Sunderland), T. H. Stone (Hull), H. J. Wakefield (Bristol), and C. T. M. Webb (London).

the day. Lord Leathers was elected president, and Mr. W. T. Dawson (Liverpool), and Mr. R. J. Simpson (London), the retiring chairman of the the war there was a regular service to Council, were elected vice-presidents, Newcastle of two produce vessels Mr. D. M. Mitchell (London) was elected chairman of the Council.

#### SHIPYARD WORK

#### Cargo Motorship Ordered on the Wear

Bartram & Sons, Ltd., Sunderland. have received an order for a cargo motorship of 7000 tons d.w. for the Halal Shipping Company, Ltd., London. The propelling machinery is The President, submitting the adop- to consist of a Doxford oil engine, to tion of the annual report, said that it be supplied by the Wallsend Slipway & Engineering Company, Ltd.

#### SHIPS FOR ARGENTINA

The New York "Journal of Commerce" reported on July 16 that the Maritime Commission had approved the construction in United States shipyards of five vessels for the Argentine State Merchant Fleet. The vessels to be built include three steam turbine passenger-cargo ships and two diesel refrigerated cargo ships.

#### FERRY VESSEL'S TRIAL TRIP

#### First Post-war Ship Ordered From Philip & Son

The ferry vessel May Queen, built for the Oreston and Turnchapel Steamboat Company, has made her trial trip on the River Tamar. She has been built to replace the old May Queen. which while on war service for the Admiralty sank after colliding with a trawler near Saltash Bridge. Built by Philip & Son, Ltd., Dartmouth, the cial centres we found a very different May Queen is 66 ft. long, and will carry nearly 200 passengers, against the 140 of her predecessor. She is fitted with a diesel engine designed to give that she shall operate on the Oreston-Turnchapel-Plymouth ferry service, and also on river trips.

The Oreston and Turnchapel Steamboat Company, Ltd., was formed in 1871 by the late Mr. H. E. Elford, and many of the 100 guests who were on they felt it was the only way to induce board for the trial trip were his descendants. The guests were welcomed by Mr. C. C. ELFORD, chairman of the company, who recalled that the firm was founded by his father, and the broker" stipulated in charter parties former May Queen, which was 40 years old when she sank, was built by the shipowners were facing the future with firm, of which he and Mr. Harry that pioneer spirit which had always Elford's father were at the head at the time. His own connection with the firm commenced when the Rapid least by those Government departments (which was near at hand at the time) was built some 50 years ago.

Mr. A. Philap mentioned that from the outbreak of war until the end of hostilities his firm had built 230 vessels

#### EMPLOYMENT OF DISABLED **PERSONS**

#### Rise in Standard Percentage

In answer to questions in the House of Commons yesterday, Mr. Ness Lang. Edwards, Parliamentary Secretary to the Ministry of Labour and National Service, said: After consultation with the British Employers' Confederation. the Trades Union Congress General Council, and the National Advisory Council on the Employment of the Disabled, the Minister has made orders raising the standard percentage from

#### SOUTHAMPTON DOCK TRAFFIC

Traffic dealt with at the Southern Railway's Southampton Docks for the 12 months ended June 30, 1946, totalled 1,842,769 passengers and 829,813 tons of cargo. Details are as follows: -

do. (Channel Is.) U.S. Services	9,646 266,817	7,556 428,610	1
Cargo.		1,098,283	t
Commercial cargo Government stores	145,166 52,848	ns 186,356 445,443	1
	198,014	631,799	1

90,452 129,659 377,571 532,458

#### LLOYD'S AGENCY AT PRAGUE

Mr. Patrick Heyno has been asked revenue, the financial position was to carry out the duties of Lloyd's Agency at Prague in an acting capacity pending a permanent appointment being made. Mr. Heyno's address is: British Vice-Consul, Acting Lloyd's to the board of Lambert Brothers (In-Agent, Consular Section, British surance), Ltd., with effect from July 1 Embassy, Prague, III.

## LONDON SHIPOWNERS

#### Problem of Tugs' Waiting Time

The annual meeting of the London General Shipowners' Society was held in London yesterday, the chair being taken by Mr. W. Everall.

Reviewing the events of the past year, Mr. EVERALL said that the report indicated the many and varied subjects with which they had had to deal. They had received many deputations and attended many committees during the year, and it was quite certain that the Society had a distinct part to play in the furtherance of the interests of shipowners in general and London shipowners in particular. There had been close co-operation between them and the Chamber of Shipping during the year and joint deputations, for instance on the question of pilotage. &c., had taken place. That was all to the good. Membership had been maintained and the financial position was quite good. We recently met the representatives

of the London Tugowners' Association to discuss the question of towage rates in view of the recent advance in wages and the considerable diminution in working hours," he continued. "I shall be reporting on this meeting to our committee following these proceedings. Meantime, the tugowners spoke very strongly of what they considered to be an unreasonable position that shipowners were still ordering tugs to wait for ships, were keeping them waiting the whole day without giving any information as to the ships' movements. In many cases ships are several days overdue and tugowners could have been advised and costs saved. These costs are doubly severe when tugs are ordered for Sundays and public holiher a speed of 10 knots. It is intended days. Indeed, they are definitely proposing that in cases where a tug is ordered for Sundays or a public holiday and the vessel does not arrive, without giving prior notice the full tariff rate should be charged. They admitted this was in the nature of a penal clause, but shipowners to be more considerate in advising tugowners of the movements of their vessels'

In the shipping industry. Mr Everall concluded, there was every evidence of enterprise, for despite very high costs, faced the prospect of adventure with courage, hence to-day first-class and costly ships were being built to carry on our trades in every part of the world The industry was fortunate in possessing so many eminent and able men, thoroughly capable and experienced in the management of ships, and with such men at the helm any doubts about the future of the shipping industry should be swept aside and all that the shipowner would ask was a square deal from all quarters, particularly

from his own folk. The following members of the committee who retired by rotation were unanimously re-elected: Sir Philip Haldin, Messrs, F. J. Harrison, K. R. Pelly, E. Aubrey Lloyd and A. O.

The meeting concluded with a vote of thanks to Mr. W. Everall for his

unremitting attention to the numerous duties which devolved upon him as chairman during the year, and for the assiduity with which he watched over the many important matters which claimed his attention.

#### TANKER FOR LAKE MARACAIBO

"Gouldia" Launched at South Bank

From Our Own Correspondent

MIDDLESBROUGH, Tuesday The twin-screw bulk oil tanker Gouldia, the second of a series of four vessels of this type which are being built to the order of the Anglo-Saxon Petroleum Company. Ltd., was launched from the South Bank yard of Smith's Dock Company. Ltd., yesterday. Built for special shallow draught service in the Lake Maracaibo trade, the vessel has a deadweight capacity of 6295 tons on a draught of 16 ft. 9 in., with a speed of 12 knots loaded. Her principal dimensions are: Length 382 ft., breadth moulded 62 ft. 6 in., and depth moulded 18 ft. 9 in. The propelling machinery, consisting of a twin set of triple-expansion surface condensing engines, has been constructed by the builders

Mr. H. R. Dean has been appointed last

## SCOTTISH UNION & NATIONAL INSURANCE COMPANY

35, St. Andrew Square, ASSETS exceed £19.500,000 NORTHGATE HOU 2024. MOORGATE. LONDON, E.C. 2 FIRE - LIFE - ACCIDENT - MARINE

ASSOCIATE COMPANY

## MARITIME INSURANCE COMPANY, LIMITED, LIVERPOOL At a council meeting held later in R. & W. HAWTHORN, LESLIE & CO.

PASSENGER AND CARGO VESSELS
TURBINE AND DIESEL MACHINERY

WATERTUBE BOILERS DRY DOCK 502 Ft. by 68 Ft. NEWCASTLE-ON-TYNE

54 VICTORIA ST., S.W.1

# ASOUTH

m.v. PILCO- Rio de Janeiro, Santos Early MAYO & Rio Grande Sept.

Buenos Aires (also Rosario with tran-shipment at Buenos

WEST INDIES

From London Bermuda, Nassau & Kingston Jamaica)

as. SAMSPRING La Guaira, Curacao 2nd-half talso Maracaiho with transhipment at Curacao, Parranquilla. Cristohal, Los Angeles Harhour, San Francisco, Victoria and Vancouver, via Panama Canal

N.B.—Cargo is accepted with transhipment at Cristobal for Panama City, Balboa, Punta Arenas (Costa Rica), Corinto, Amapala, La Union, La Libertad, San Jose de Guatemala and Champerico.

Approximate closing dates on application to



Write ARDENTE GUILDFORD

# PROPOSAL TO CHANGE

#### OFFICIAL NOTICES GOVERNMENT SURPLUS STORES

THE MINISTRY OF SUPPLY has for immediate disposal the following ELECTRIC HOIST BLOCKS (CHAIN), ELECTRIC DOUBLE DRUM WINCH, TRAVELLING ELECTRIC HOIST BLOCK AND ELECTRIC WINCHES, located

IDENTIFICATION NUMBER

ITEM 1-S.1754/13/34-44 (AR. 2602/4) 11 ELECTRIC HOIST BLOCKS (CHAIN), hand-geared travel, by Herbert Morris, Ltd., 10 cwt. capacity, elec, supply 420 volts A.C. 3-phase, 50 cycles. Condition good. Lying at The Bristol Aeroplane Company, Ltd., Hawthorn Engine Factory, Hawthorn, Wilts. Application for inspection should be made in writing to Mr. Glasgow, Ministry of Supply Store, No. 374, at The Bristol Aeroplane Company, Ltd., Hawthorn Engine Factory, Haw

ITEM 2-S.1756/1/6, (AR, 1640/1) 1 TRAVELLING ELECTRIC HOIST BLOCK by Aabacas, Ltd., 2 tons capacity. Elec. supply 400 volts A.C., 3-phase, 50 cycles. Condition good. Lying at Hobourn Aero Components, Ltd., Roman Way, Market Harborough. Application

for inspection should be made in writing to Mr. Crittall at that address.

1 ELECTRIC DOUBLE DRUM WINCH by Clarke, Chapman, Ltd., 4 tons capacity at 100 ft. per min. Reversing barrel. Condition good. Lying at Sea Transport Store, Stewarts Timber Yard, Renfrew Road, Linthouse, Glasgow. Application for inspection should be made to Mr. Allen, storekeeper, at that

ITEM 4-AR. 2529/2

1 HAULAGE-TYPE WINCH, ELECTRIC, by Darlington Engineering Company, Ltd. Capacity 5 cwt. Electric supply 400 volts A.C., 3-phase, 50 cycles. Condition good. Lying at Ministry of Supply Store, Old Granary, Hebburn. Application for inspection should be made in writing to Mr. Shaw, Regional Storage Officer, Ministry of Supply, Clarendon House, Clayton Street West, Newcastle-on-Tyne. ITEM 5-8.1852/46/2-5 (AR. 2484/1)

4 ELECTRIC WINCHES, DOUBLE BOLLARD, by Stothert & Pitt, Ltd. Capacity about 2 tons. Electric supply 400 volts A.C., 3-phase, 50 cycles. Condition, unused. Lying at Ministry of Works Ordnance Factory, Coven, near Wolverhampton. Application for inspection should be made in writing to Mr. Page, storekeeper, at that address. Arrangements for inspection can be made by prior application to the addresses ed, but no undertaking is given that facilities will be available for working or

Purchasers must take delivery as and where lying and accept responsibility for dismantling (if necessary) and removal from site within two weeks of the date of issue of Release Instructions. Offers for any or all of these items are invited. No Forms of Tender are

all of transhould be address.

Ministry of Supply,
Director of Contracts,
Gt. Westminster House,
Horseferry Road,
London, S.W. 1 necessary and letters should be addressed to:-

to arrive not later than 10 a.m. on 23rd August, 1946. Envelopes must be marked "Tender No. 091501," returnable 10 a.m., 23rd August, Failure to mark the envelope correctly may result in a Tender not being considered.

Any Contracts made as the result of this tendering will be subject to the Department's usual Conditions of Sale (Form C.C.C./Sales/1), a copy of which may be obtained if desired, from the Ministry of Supply, Contracts Directorate (C.B.4). Great Westminster House, Horseferry Road, London, S.W. 1 Reference 091501 should be quoted when applying for this Form,

NEWCASTLE, Tuesday

weekly

#### NORTH OF ENGLAND PROTECTING, INDEMNITY, & WAR RISKS ASSOCIATION

(ESTABLISHED 1860) The Association covers Shipowners in :-The Association covers Shipowners in —

Class I.—Protecting. Against claims for one-fourth damage done to other ship or vessels, damage to structures, loss of life, personal injury, inclusive of all liability under the Workmen's Compensation Acts, &c.

Class II.—Indemnity. Against Habilities arising in connection with cargo, &c.

Class III .- War Risks. Hull and Machinery Class IV.-War Ricks. Freight, Disburse

ments, &c.
The interests of Members are safeguarded at the principal ports in the World by official Legal Representa tives and Nautical Experts, who have full instructions to act and to assist Masters in case of need.

Principal Office:
NEWCASTLE-UPON-TYNE, Collingwood Buildings Branch Offices: GLASGOW—81, Dunlop Street
CARDIFF—The Exchange, Mount Stuart Square
LONDON-24, St. Mary Aze, E.C. 3
LIVERPOOL—B.18, Liverpool and London Chambers

F. WHITTOCK, Chairman.
ARTHUR G. EVERETT, Vice-Chairma
J. STANLEY TODD, General Manager

#### THE LONDON STEAM-SHIP OWNERS' MUTUAL **INSURANCE ASSOCIATION LIMITED**

PROTECTING INDEMNITY WAR RISKS

MANAGERS

A. BILBROUGH & CO., LTD. Walsingham House, 35, Seething Lane B.C. 3.

TELEPHONE- ROYAL 4971 (four lines). TELEGRAMS-"BILBROUGH, LONDON."

ALSO AT

Aberdare House, Mount Stuart Square

NEWCASTLE-UPON-TYNE ; Norfolk House, 90, Grey Street.

#### **NEWCASTLE PROTECTION** AND INDEMNITY ASSOCIATION

Incorporated 1886
MARTIN FRYER, Manager. Rules, entry forms and full particulars on application to the Manager. MILBURN HOUSE, NEWCASTLE ON TYNE
Tels. —"Scorfield Newcastle." 'Phone—Newcastle 27

STEAMSHIP MUTUAL UNDERWRIT-ING ASSOCIATION, LTD., COASTING VESSELS MUTUAL MARINE INSURANCE ASSOCIATION, LTD., COASTING VESSELS MUTUAL WAR RISKS ASSOCIATION, LTD., SAILING SHIP MUTUAL INSURANCE ASSOCIATION, LTD.,

Managers—ALFRED STOCKEN & OO. (MANAGERS), LTD.

Mutual Associations for:-PROTECTION AND INDEMNITY, FREIGHT DEMURRAGE AND DEFENCE, WAR RISKS, MARINE RISKS (HULLS) 49. LEADENHALL ST., LONDON, E.C. 3

#### SHIPBROKERS

#### LONDON

E. A. CIBSON & CO., LTD.

SHIPBROKERS, STEAMSHIP AGENTS AND BUNKERING AGENTS FOR ALL CLASSES OF VESSELS

Canard House, Leadenhall Street, London, E.C. "Blueribbon Phone London"

#### **ARDROSSAN**

R. L. ALPINE & CO. Shiphrokers, Colliery Agents, Sand Merchants, Lloyd's Agents
Vice-Consulate Norway and Denmark
Netherlands Consular Agency. Agents for Colvides Ltd.
1.C.1, Ltd., Eagle Oil & Shipping Co., Ltd.
Tels. "Alpine" Phone: 65 & 66 And at Irvine

#### AYR

A. & J. CUTHRIE (AYR) LTD. Lloyd's Agents

BHIPBROKERS AND COLLIERY AGENTS

AVR

claphone—3241

Telegrams—"Guthries"

CHARLES B. MORRISON, Agent for BAIRDS and DALMELLINGTON LTD.

Coal Masters

Telephone— AYB "Newfreel Ayr" Telephone— AYR 200 (3 lines)

#### **BARROW-IN-FURNESS**

JAMES FISHER & SONS, LTD.

(Established 1947)

LLOYD'S AGENTS BARROW IN-FURNESS
Also at Heysham Harbour, Lancs.

Tele.—"Fisher Barrow" Fhone—Barrow 785
Scott's, Watkins', Boe and Al Codes BELFAST

STEWART & PARTNERS . (Isaac Stewart, F.I.C.S.)
CHARTERED SHIPBROKERS,
BHIPPING, CHARTERING, STEVEDORING
46, Donegall Street, Belfast,
Telegrams: Tonnage. Telephone: 25651 (3 lines)

#### BLYTH

GEO. E. TYNEMOUTH
(Jas. F. Thompson, F.I.C.S.)
Shipbroker, Cosis Aroni
RIDLEY
Telegrams—Tynemouth, Blyth
Telephones—111 & 112 Blyth. After Office hours: 112

#### DOVER

## DUBLIN

MACKENZIE & CO. Established 1869
Bhipbrokers, Stevedores, Bunker Coal Contractors
14. Westmoreland Street, DUBLIN
Telegrams: "Mackenzie, Dublin" Telephones: 22381

#### DUNDEE

THE LESLIE SHIPPING COMPANY Shipowners, Warehousemen, Shipping, Forwarding and Custom House Clearing Agents. Insurance Brokers.

59, DOCK STREET, DUNDEE
Telegrams—"Bulletin" Telephone—No. 5383

#### FOWEY

TOYNE, CARTER & CO., LTD. Telegrams: Toyne, Fowey
Telephone Nos.: 74, 75, 76
Danish & NetherlandsVice- Consulates

#### GRANGEMOUTH

J. T. SALVESEN & CO.
(Established 1843)
Steamship Owners and Brokers, Chertering, Frowarding and Insurance Agents
Phone—No. 1 Tels.—"Salvesen Grangemouth"

## LAW REPORTS

KING'S BENCH DIVISION Tuesday, July 30, 1946

TANKER AND CARGO LOST IN FIRE ANGLO-SAXON PETROLEUM COM-PANY, LTD., AND ANOTHER v. THE ADMIRALTY; SAME v.

DAMANT Before Mr. Justice ATKINSON, with whom sat Captain A. H. RYLEY and Captain R. L. F. Hubbard, Elder Brethren of Trinity House

Judgment was given in these proceedings, which were by way of petition of right, in which the suppliants. were the Anglo-Saxon Petroleum Company, Ltd., and the Asiatic Petroleum Company, Ltd., of St. Helen's Court. London, E.C., owners of the motorship Delphinula and her cargo respectively, and the respondents were the Admiralty. The suppliants were also plaintiffs in an action against Captain G. C. C. Damant, R.N. (Ret.), who had been nominated by the Admiralty to defend the action. He was Superintendent of Salvage at Alexandria in 1943. The Delphinula was laden with 11,433 tons of benzine from Haifa for Alexandria, and stranded when entering the latter port on May 9, 1943. During operations to lighten the ship. which had been holed, a fire occurred. Cargo had been forced out of the ship compressed air, and it was alleged that the fire was due to a spark or flame from naval tugs. The fire was extinguished in June, and about 1000 tons of cargo was saved. Subsequently efforts were made to salve machinery, but there was a further fire, which brought all salvage to an end.

The suppliants claimed against the Admiralty, alleging an implied agreement by the Admiralty to salve the agreement and in breach of their duty the respondents failed or neglected to exercise reasonable skill or care. Alternatively, the respondents contracted to carry out the salvage under the instructions of the suppliants, and failed to do so.

The Admiralty and Captain Damant denied liability, or that there was any contract as alleged. The master the ship remained in charge, and the operations were conducted under his directions or with his concurrence, or under the directions and with the concurrence of the suppliants' representatives. The alleged failure to exercise reasonable skill or care on the part of any naval officer or rating was denied.

The previous proceedings were reported in Lloyd's List of July 2, 3, 4,

6, 9, 10, 11, 12, 13, 16, 17, 18 and 19, Mr. Patrick Devlin, K.C., and Mr S. Knox Cunningham (instructed by Messrs. Waltons & Co.) appeared for the suppliants; Sir William McNair, K.C., Mr. Owen L. Bateson, K.C., and Mr. J. V. Naisby (instructed by the Treasury Solicitor) represented the Admiralty and Captain Damant.

#### JUDGMENT

Giving judgment, Mr. Justice ATKINSON said he could deal at once with the petition of right. He did not from the circumstances of the case and therefore there was no basis for a claim in contract.

In accordance with the usual prac-Admiralty had no wish to go back on that understanding, but when the case was nearly over there was reported the case of Adams and Others against Naylor (62 T.L.R., June 28). That laid down that the Court had to decide a case as between the parties before or representatives were in as good a it, and had nothing to do with the fact that the Crown stood behind a defen- of the dangers and the precautions dant. Being bound to follow that ruling needed, but did not insist on them. of the House of Lords, he had to treat | They would not be likely to press their that action as a genuine action against Captain Damant personally, in which he could be held liable only for his own negligence or that of persons for whom

May 9, 1943, while waiting for a pilot question of want of ordinary common te take her into Alexandria harbour, she drifted aground near the Great Pass Beacon. No one knew she was aground until they wanted to move. The efforts of seven tugs failed to get her off, and at first permission to jettison some of the cargo, for which the master asked, was refused.

Mr. Justice Atkinson described how a naval party boarded the vessel and decided not to use motor pumps because of the danger from the petrol escaping from the tanks, the vessel having been holed. A steam pump which was brought from shore broke down and made no impression on the water which was entering the ship.

Later Captain Damant, who was Superintendent of Salvage, visited the ship, and he came to the conclusion that it was "a compressed air joh,' Such an operation was one of extreme danger. It was fear of the possible

ship being reached by other shipsnow became a certainty because the compressor operation meant that at some time or other tugs would have to go near the ship to attempt to tow her off the rocks.

Mr. Brooks, the chief engineer, suggested that it would be better to transship petrol to tankers and lighters, so that when the compressors were used they would force out water only. Captain Damant turned down that suggestion. He said he had not got the lighters, but the truth was that he feared delay. As some days had to elapse before compressors were available, it seemed to his Lordship and the Elder Brethren that further consideration ought to have been given, the moment the weather became suitableas it did on May 13-to the alternative method which could have been put into operation right away, before the com-pressors arrived. Of one thing his Lordship had no doubt—and the Elder Brethren agreed without reservationand that was that the danger of the method decided upon was so great and so obvious that it called for the most careful consideration of how the many risks could be minimised. Admiral Poland quite frankly admitted that he did nothing before he placed upon Captain Damant full responsibility for future work on the Delphinula.

The interests of the plaintiffs' ship were being put second to the interests of shipping in general. Had the 9 30 a.m. The Katingo Hadjipatera matter been regarded purely as a salvage undertaking, in all probability the method suggested by Mr. Brooks would have been adopted, as a delay of a day or two would not have mattered, but the Admiral's view was that it was an operational necessity.

accepted responsibility, Captain Damant should have conferred with everybody concerned, and have discussed the steps to be taken to avoid the risk of fire, and so that they would know exactly what was going to be done and how the operation was to be carried out. But Captain Damant did vessel and cargo. In breach of that nothing in the way of consultation, It was perfectly clear that he was not merely not seeking advice, but that, to use his own words he "eliminated" suggestions that were made.

His Lordship described how the compressors were started on May 17, and went on to enumerate the dangers which arose. Dealing with steps which could have been taken, he said the tugs could have been fitted with spark arrestors; there could have been warnings against smoking or naked flames; the current could have been cut off from the degaussing apparatus; there could have been an assurance that no member of the crews of the tugs had matches in their possession; considera-tion could have been given as to the safest side of the ship to approach; small boats could have been used to take people from the tugs to the ships; tugs could have been forbidden to go alongside the ship unless absolutely necessary; and the second tug could have been forbidden to go alongside the first tug. All those things were dangers which must have sprung to the mind of Captain Damant if he had given his mind to it. It was quite plain that he gave no consideration to the steps that could be taken, or ought to be taken, to minimise the dangers.

Mr. Justice Atkinson described how when the tug Taurus went alongside the tug Barwick on the morning of think any contract could be extracted May 18, there was a flash and an explosion between the two tugs, and the catastrophe occurred which cost the lives of 32 men. His Lordship added that if the precautions had been taken tice the Admiralty put forward Cap- which he and the Elder Brethren tain Damant as the person against thought should have been taken, the whom the issue of tort most con- disaster would never have happened. veniently could be decided. That They felt very strongly that the meant that if negligence was estab- disaster was due to the neglect of Caplished against anyone for whose actions tain Damant to take reasonable the Admiralty were responsible, the precautions to minimise the dangers. Admiralty would accept liability. The It was impossible, of course, to find It was impossible, of course, to find with certainty exactly what spark or light caused the fire, but the throwing away of a lighted cigarette end very

likely "held the field." His Lordship held that it was not a sound argument that plaintiffs' officers position as Captain Damant to judge views on naval people in the circumstances, and they did raise certain matters.

As to the degree of skill and care required of Captain Damant, his lordhe might be legally responsible.

His Lordship said the *Delphinula* ship held that it was not, in that case, was built in October, 1939, and on a question of want of skill. It was a prudence; of giving one's mind to how a thing was to be carried out. Any man of ordinary common sense, if he had given his mind to it, must have been able to see and guard against the dangers. In his judgment the disaster was due to the neglect of Captain Damant. Dealing with the question of damages, his Lordship assessed the value of the ship at £232,126, and the value of the cargo lost at £47,874.

As to the second fire, which occurred when machinery was being salved, he did not think it was possible to find negligence on the part of Lieut. Newbiggin. Captain Damant was not concerned with that matter, as he had left before it occurred. He gave judgment for the Admiralty on the petition of right, with costs, and gave Captain Damant for the amounts mentioned, with costs, and interest on the

#### ADMIRALTY DIVISION Tuesday, July 30, 1946

COLLISION IN ST. LAWRENCE OWNERS OF S.S. "FREDEN" v. OWNERS OF S.S. "KATINGO HADJIPATERA"

Before Mr. Justice WILLMER. sitting with Captain G. CURTEIS and Captain C. St. G. GLASSON, Brethren of Trinity House

The hearing was continued of this action in which the owners of the Swedish steamer Freden claimed damages from the owners of the steamship Katingo Hadjipatera, of the port of Chios, for a collision in fog in the St. Lawrence River on the morning of Oct. 4, 1942. The defendants put the blame solely on those in

the Freden. The previous proceedings were reported in LLOYD'S LIST of June 5 last. Mr. Owen L. Bateson, K.C., and Mr. Knox Cunningham (instructed by Constant & Constant) Messrs. appeared for the plaintiffs; Mr. R. F. Hayward, K.C., and Mr. Waldo Porges (Instructed by Messrs. Porges (instructed by Messrs. Holman, Fenwick & Willan) represented the defendants.

Mr. HAYWARD said the vessels were at anchor waiting instruction to join an east-going convoy, which was to sail at weighed anchor at 9 20, seeing other ships on the move and judging they had received the signal. A pilot was with the master on the bridge, together with the chief officer. The vessel proceeded E. by N. 3 N. by compass at two knots in reduced visibility. Fog signals and bells had been heard. The Freden loomed a quarter of a ship's length on the port bow, whereupon the Greek vessel went full astern and hard-a-starboard, with three short blasts. Her port bow struck the Freden on the starboard side. The Freden was 1211 tons gross and 224 ft. long; the Katingo Hadjipatera was the larger vessel. She was 3661 tons gross and 350 ft. long. The ships were at the Bic Island anchorage, on the south side of the river. The Freden said she was lying head to flood to her port anchor, and when the other loomed at two

Mr. BATESON said the Katingo Hadipatera should not have got under way until she heard a signal. She blamed the Freden for not sounding a bell to indicate her place. Her master's letters to the master of the Freden and East Hoathley, near Lewes, Sussex, to his owners said he was proceeding and the third is the Purple Slave to an anchorage. He was steaming to the northern entrance of the Bic Island

Mr. HAYWARD said the defendant ressel was to be third ship in the convoy, after the commodore.

The master of the Katingo Hadjipatera gave evidence and the hearing was indefinitely adjourned.
When Mr. HAYWARD observed that

the Long Vacation must intervene before the case reached its next stage, Mr. Justice WILLMER said he was horrified to see how many "loose ends" of cases there were at the end of the term.

#### RECENT WILLS

Mr. Brian Smith, of Uplands, Sheringham, Norfolk, chairman of Stapley & Smith, Ltd., and an underwriting member of Lloyd's, who died on Mar. 15 last, left 126,305 gross, with net personalty £111,575. (Duty paid £23,842.)

Paymaster Commander James Yeoman Mosey, O.B.E., R.D., R.N.R., retired, of Ryders Farm, Burton End, Stanstead, Essex, formerly of 6, Hillside Crescent, Leigh-on-Sea, Essex, retired chief marine superintendent, Board of Trade, who died on Dec. 18 last, aged 89 years, left £1442 gross, with net personalty £1264.

#### IMPERIAL AND FOREIGN AIR MAILS

The Postmaster-General announces that a supplement (No. 1) to the Imperial and foreign air mail leaflet, May, 1946, edition, giving latest times of posting of unregistered ail mail correspondence at the Head Post Office, London, E.C. 1, is now available at the principal post offices. Copies of the supplement will be sent without application to persons and firms who have signified their wish to receive the air mail leaflet.

#### HARBOUR REPAIRS AT AMSTERDAM

The Amsterdam Corporation has placed orders with Scottish firms for 20 small electric cranes at a cost of 21 million guilders. The Corporation has also applied for a credit of 1,625,000 guilders for the more urgent harbour repairs to be carried out. These include repairs to quay walls blown up by the Germans and to warehouses and stores.

#### WHITE SEA - BALTIC CANAL REOPENED

Moscow Radio (quoted by Reuter) White Sea-Baltic Canal has been rejudgment for the plaintiffs against opened. Built in 1933, the canal cuts very simple form of radio receiving over Great Britain and North Europe.

## THE DECCA NAVIGATOR LLOYD'S LIST

English Chain of Stations in Operation

#### AVAILABLE FOR SHIPPING IN HOME WATERS

From 08 00 hours on July 18 the English chain of Decca navigator stations was declared officially operational by the Admiralty and Ministry of Transport. Transmissions from this chain will

now continue unbroken throughout the 24 hours of each day, and provide navigational aid service to ships and aircraft fitted with Decca Navigator receivers over an area which extends to a minimum distance of 300 miles from London. In daylight hours, transmissions from the stations can be recorded and used for navigational purposes up to more than 1000 miles from the stations. Within this service area, any ship or aircraft fitted will, by mere reference to the indicating meters, be able to fix its position with a very high degree of precision. This precision will become increasingly greater as the coasts of Great Britain are approached and will be precise enough to allow the system to be used as an aid to pilotage in the main estuaries and ports around the English coast.

The immediate purpose of the stations is to provide a means of extensive trials of the system by Government and Service Authorities, with the object of securing data and testing the efficiency of the system in connection with consideration of its adoption as the standard world-wide navigational aid for aircraft and marine vessels.

#### POSITION OF STATIONS

This first chain of Decca Navigator stations is sited in the South of England, and comprises four stations. three of which are now operational, and the fourth nearing completion. One of the stations, which is sited at ship's lengths on the quarter, shaping board, the stern and swinging to starboard, the Freden hard-a-ported.

Buntingford, Hertfordshire, is termed the "master." the other stations being called the "slaves." Each slave is described for the purposes of the system, by means of a colour. The first one is the Red Slave station at Stokeholy Cross, near Norwich. The second is the Green Slave station, at station, which will be at Wormleighton, Warwickshire. The principal feature of each station

is the aerial system, which is hung on a 325-ft, steel mast. The master station consists of such a mast, together with a transmitter building and reserve power building. The slave stations are similar in construction, except the transmitter building houses the automatic phase control units by means of which the slave transmissions are rigidly locked to the master signal. These phase control units are of unique design and ensure that a very high degree of synchronisation is maintained between the slave and master transmissions. On both the master and slave stations, extreme precautions are taken to ensure that no failure, either in the public power supply or in the radio equipment can cause failure of the radio transmissions from the station. By this means a guaranteed navigational service is ensured to all using it

The means by which the master and slave stations provide efficient and accurate navigational and to ships and aircraft at great distances from them can in general terms be briefly described as follows: Transmissions from the master and each slave station in turn are picked up on the receiver in the aircraft or ship. These trans-missions are compared by electronic means, and by consideration of the known speed at which radio waves travel, the position of the receiver is fixed with relation to the distance from the master and each slave. This fix of position, given instantaneously and continuously as the ship or aircraft moves, is displayed on meter dials similar to a speedometer clock. These meters give a reading of figures which refer to lattice or grid lines on a chart of the area in which the ship or aircraft is moving. The position of the ship or aircraft, indicated on the Decca Navigator meters, is accurate to within a matter of yards, and the navigator can plot his position and route con-AMSTERDAM, Tuesday tinuously. SIMPLE EQUIPMENT

#### The Decca Navigator system is in

technical terms described as a hyperbolic system of navigational aid, and employs the same basic principle common to Gee and Loran, Here, however, any similarity ends. While these two latter systems were of very considerable utility during the war, their extreme complexity of receiving equipment together with its considerable bulk and the necessity for carrying a skilled operator in any aircraft or ship employing them, makes their use by any but the largest ships and aircraft a announced on Monday night that the very difficult problem. The Decca English Channel. North Sea and the system, on the other hand, employs a Irish Sea, and to aircraft operating across the Karelo-Finnish Republic equipment, and presents its results in Plans are now well advanced for the and is over 140 miles long. It has 19 a most direct manner on three simple construction of a series of such chains

Page Wed., July 31, 1946

#### SHIPBROKER8 GRANGEMOUTH

GILLESPIE & NICOL (GRANGEMOUTH) LTD. SHIPOWNERS, SHIPBROKERS, STEVEDORES Chartering and Forwarding Agents Tels.: "Discretion" 'Phone: No. 147 (3 lines)

#### HULL

WILLIAM BROWN, ATKINSON & CO., LTD. BROWN, ATKINSON & BLAKELOCK, LTD. GRIMSHY
Shipowners, Shipbrokers, Forwarding and Chartering
Agents and Insce. Brokers. Bunker Coals a speciality.
Grams—"Atkinson" Hull, and "Baco" Goole, Grimsby
and Immingham.
Lloyd's Agents: Hull. Goole, Grimsby and Immingham

ATKINSON & PRICKETT, LTD. Shipowners, Brokers, Collery and Forwarding Agen Head Offices—LAND OF GREEN GINGER, HULL, Tels,—"Clearance" Phone—Central 18191 And at GOOLE, GRIMSEY and IMMINGHAM BUNKER COALS ALWAYS IN STOCK

#### IRVINE

R. L. ALPINE & CO.
SHIPBROKERS, COLLIERY AGENTS,
Agents for Colvibles, Ltd., and I.C.I., Ltd.
Tels.: "Alpine"
Phone: 3276
And at Ardrossan

#### KING'S LYNN

CARLAND & FLEXMAN SHIPBROKERS, CHARTERING AGENTS, BUNKER SUPPLIERS, LLOYD'S AGENTS Tels.—"Garland" "Phone—2261 (2 lines) Codes—Scott's, Watkins, Boe, New Boe, Lombard Established 1820 Branch Office at Wisbech

LEITH FURNESS, WITHY & CO., LTD. STEAMSHIP OWNERS AND AGENTS, SPIP-BROKERS, STEVEDORES, COAL EXPORTERS, etc Telegrams—"Brantford Leith" 'Phone—Leith 35633

A. F. HENRY & MACGREGOR, LTD. STEAMSHIP OWNERS AND BROKERS
Freight Contractors and Stevedores Warehousemen and Forwarding Agents—LEITH Grams: "Attention" Boe Code Phone: 36444 (5 lines)

CHR. SALVESEN & CO. (Established 1946)
STEAMSHIP OWNERS, BROKERS & AGENTS
COAL EXPORTERS AND BUNKER COAL
CONTRACTORS
Telegrams: "Salvesen Leith"

#### LLANELLY

WILLIAM COOMBS & SONS, LTD. STEAMSHIP OWNERS AND BROKERS NEW DOCK, LLANELLY 'Phone No. 311
Tels.—"Coombs Lianelly" Code—New Bo

#### MIDDLESBROUGH

Phone -- 3691 (5 lines) Tels. - "Bulmer, Middlesbrough" Scott's, Marconi and Bentley Codes T. A. BULMER & CO., LTD. Ship and Insurance Brokers
Forwarding Agents
Bunker Contractors
MIDDLESBROUGH J. G. PECKSTON, LTD.

HIPBROKERS, HAULAGE CONTRACTORS HARTERING and FORWARDING AGENTS FRANSPORT HOUSE, MIDDLESBROUGH Tels.-"Jaypee" 'Phone-2414 (2 lines, T. H. DONKING & SONS, LTD. Ship Owners and Brokers

#### 69, MARTON ROAD, MIDDLESBROUGH aphone—2072 Talegrams—"Kingdon" NEWPORT (Mon.)

MORDEY, SON & CO., LTD. NEWPORT, MON. Also at Cardiff SHIPOWNERS, BROKERS, COAL EXPORTERS Telegrams "Motion

#### PLYMOUTH

W. D. TAMLYN & CO., LTD. Ship and Insurance Brokers
PLYMOUTH
Telephone 3444
Telephone 3444
After Hours Plympton 2079. "Freights Plymouth"

### PRESTON

HENRY TYRER & CO., LTD. Also at LIVERPOOL SHIPBROKERS, FORWARDING AGENTS, &c. Tel.-"Speed Preston"

SWANSEA BURCESS & CO., LTD. STEAMSHIP AND FORWARDING AGENTS
Master Stevedores, Ship and Insurance Brokers
Coal and Patent Fael Exporters
Tel. Add.—"Burgoss Swanssa" Fhone—2005 (5 lines)

T. R. W. MASON, LTD. Est. 1874 STEAMSHIP, SHIPPING AND FORWARDING

Master Stevedores, Ship and Insurance Brokers Bunkers Supplied Lloyd's Agents for Swanses and District Phone-Swanses 3131 Tels,-" Mason Swanses"

AMBROSE, DAVIES & MATTHEWS, LTD. STEAMSHIP OWNERS AND BROKERS SWANSEA: and at London

Phone-2037 Grams-"Adamant Swansea" Boe Code

**WEST HARTLEPOOL** 

### FRED NICHOLS & SON

SHIPOWNERS
BUNKER SUPPLIERS
Telegrams—"Baltwood"

SHIPBROKERS
LLOYD'S AGENTS
Telephones—224, 2811 WISBECH

JOHN WEBER & DO., LIMITED Shipbrokers, Chartering Agents and Stevedores, Managers Canal Carriers with through services SUTTON BRIDGE—WISBECH—NORTHAMPTON Head Office—Peterborough Tel. No. 4237/8

### BARCELONA

ANCEL JIMENEZ VILCHES Chartering & Steamship Agent. Broker & Stevedoring
VIA LAYETANA 13 Tel. No.: 22748 and 23693 Telegrams: "Zenemij," Barcelons

#### CADIZ DANIEL MAC-PHERSON Y COMPANIA

LLOYD'S AGENTS
Telegraphic Address: - "Macpherson LISBON

J. VASCONCELOS, Lda. SHIP AND CHARTERING AGENTS STEVEDORING

PORTUGAL

## LISBON

24, Praca Duque da Terceira Branch Office at PORTO Rua Infante D. Henrique, ?3 Telegrams: FLOREL

Will gladly furnish information about Portuguese ports and trade.

navigational aid to all ships in the

the master's request to be allowed to pump out petrol on May 9. What was a bare possibility at that time—of the



WORLD-WIDE BUNKERING SERVICE

> Cory Buildings Fenchurch Street London, E.C. 3 Tel.: ROYAL 2500

# LAMBERT BROTHERS, LTD.

AND AGENTS

Contractors for Cargoes and Bunkers at all Ports. Brokers for Sale and Purchase, Chartering and Insurance.

LONDON: 88, LEADENHALL STREET, E.C. 3

Also at Cardiff, Newcastle, Glasgow, Hull and Grimsby AVEnue 2000



**NATAL NAVIGATION GROUP GOAL BUNKERS AT** SOUTH AFRICAN EASTERN PORTS

MITCHELL COTTS & CO., LTD

# THE COAL TRADE

**Special Market Reports** 

From Our Own Correspondents CARDIFF

Strong conditions rule for Welsh steam. Home and foreign demand continues to come in freely, but supplies are insufficient to go round Prospects of developing any larger foreign business are remote, and most old oversea customers have to cover the bulk of their needs with other exporting countries. From this area there is only a small trade passing with Italy France, Belgium and Denmark in anthracite duff and coke breeze.

#### SWANSEA

The majority of anthracites are even more sparingly obtainable since bigger quantities are being forwarded B.O.A.C. TO REDUCE SOME FARES to priority trades to tide them over the market, being not only fully employed for the present, but heavily stemmed forward, with the result that figures frequently tend stiffer.

#### NEWCASTLE

Coal is coming forward from col-lieries in insufficient quantities to cover immediate needs. There is heavy bunkers only continue to make heavy demands on bunker supplies.

#### SUNDERLAND

Many collieries in East Durham are idle this week for the holiday with pay and the output will be almost negligible, as it was for last Saturday. Few men turned in for work The break will extend over August Bank holiday.

#### HULL

Supplies are short and only a limited proportion of current demand can be satisfied. The major portion of production is held in reserve for home purposes. Foreign shipments are kept

#### GLASGOW

Earmarking of supplies is still a necessity, with special reference to high priorities while industrials accorded lower grade of priority are most anxious for speedier deliveries to meet consumption. Inland demand keeps shipments to a minimum and any good quality shipped is confined to regular Northern and Southern destinations. No improvement in the anthracite position is reported.

## LAUNCH AT BIRKENHEAD

Cargo Vessel for J. Holt & Co.

naming ceremony being performed by Mrs. Louis Holt, wife of a director of John Holt & Co. (Liverpool), Ltd., for whom the vessel has been hold. whom the vessel has been built. Robert L. Holt is a sister ship to the John Holt recently launched from the same yard, and is a replacement of the vessel of the same name lost in July, 1941, and whose fate is still unknown. The new vessel, a single-screw ship, has dimensions of 360 ft. by 52 ft. 6 in. by 31 ft. 6 in.

Reductions in fares on some approaching holidays. Smaller washed domestic nuts are virtually off the of return tickets on all their routes B.O.A.C. routes and the reintroduction will come into effect to-morrow. The fare reductions will be on the Corporation's African and Middle East serfrom £180 to £175, and the London to Aden fare will be £105 instead of £123. Other reductions will include: Cairo to Nairobi, £77 (present fare £86); Cairo gas and coking coal. Ships calling for fare £71); Sudan to Karachi, £70 tone is firm. Slow conditions rule in (present fare £100); Cairo to Jeddah, £27 (present fare £38); and Aden to Cairo, £50 (present fare £58). Return fares, to be effective on B.O.A.C. routes everywhere, will be reintroduced on the basis of double single fares less 10 per cent. Return fares ceased on Sept. 26, 1939.

#### NAUTICAL INSTRUMENTS FOR SOUTH AMERICA

Three technicians from Marine Instruments, Ltd.-Mr. B. P. Passman, Mr. Barry Charles and Mr. Daniel Nantes-are flying to Brazil, Argentina and Chile respectively at the beginning of August. They are planwithin small limits, but bunkering is a ning to spend some weeks in these good market for hards, smalls and countries with a view to increasing exports of British nautical and indus- of foreign Governments by putting in trial instruments to the South Ameri- her own ships, and nothing further is can market. They will exhibit many quoting at present. In the deep-sea of the new post-war developments of section a vessel is wanted for North the Kelvin-Hughes organisation, and Africa, but no cargoes are available. will carry out a considerable amount Fixture:of market research.

> Mr. Jorgen Jahre, Sandefjord, has bought the British tanker Chant 22, vessel of 400 tons d.w., built in 1944. announce that Sir Peter Bennett, lished outlets and, in addition, we have She is to be employed in the coasting M.P., and Sir Harold Bowden, have obtained and are seeking new outlets. trade, states the "Sandefjords Blad."

# FREIGHT MARKETS

### Miscellaneous Business

By Our Own Correspondent

THE BALTIC, Tuesday Chartering operations have been on a fair scale, but in spite of that fact orders in many directions are accumulating. Further tounage is reported to be treating on time charter, and is expected to be fixed in the immediate An American steamer has been taken for heavy grain from the Gulf to Trieste, and another for coal from Hampton Roads to Belgium, while in other directions salt has been arranged from Port Sudan to Calcutta, subject to licence, for phosphate from Sfax to Durban and pyrites from Huelva to Antwerp or Ghent.

It is understood that further fixtures have been concluded for timber from the Baltic ports to this country, and that from some loading centres rates show an advance of a few shillings over those recently paid. A considerable volume of tonnage is also ports to this country.

In the outward department few it is rumoured that a fixture has been arranged to Freetown.

The River Plate trade remains quiet although charterers are still prepared to entertain offers of tonnage for Eire and some of the Continental ports. Brazilian exporters are also in the

taken for early August from Hampton Roads to Belgium at \$10.50, while followed over many years. other fixtures are reported to have been arranged, but details are not Gulf to Trieste for August at \$17.10. Poland and Greece. There is an active miscellaneous inquiry from the Gulf,

8000 tons maximum has been fixed, subject to licence, for salt from Port

#### FIXTURES

HAMPTON ROADS to BELGIUM .- | war.

From Our Own Correspondent
LIVERPOOL, Tuesday
Cammell Laird & Co., Itd., Birkenhead, launched to-day the 4000-ton cargo vessel Robert L. Holt, the

#### PROVINCIAL REPORTS

From Our Own Correspondents

in the market, as tonnage continues most of its inhabitants are company difficult to arrange apart from official employees or their dependants. continues. Fixtures:

the home coasting section.

in the foreign trades, tomage being of lubricating oil. sparingly available.

NEWCASTLE, Tuesday the near Continent is in abeyance through the acute shortage of coal will shortly amount to 82 vessels, of cargoes. In the home coast trade there 899,000 tons.

GLASGOW, Tuesday Belfast is tending to follow the lead

CHATHAM / PORTSMOUTH / DEVON-

The directors of Lloyds Bank Limited been elected to seats on the board.

Company Meeting

## ANGLO-IRANIAN OIL

#### **Record Production**

The thirty-seventh ordinary general pany, Ltd., was held yesterday in London, Sir WILLIAM FRASER, C.B.E. an extract from his statement circulated with the report and accounts: -

Gross profits are slightly increased in comparison with those for 1944, but trading profits available for dividends and reserves were again limited by Excess Profits Tax. The directors have allocated £500,000 to Preference Stock reserve, and a further £500,000 has been placed to reserve for War Contingencies and deferred repairs. They now recommend a final dividend of 15 per cent., less income-tax, making 20 per cent. for the year. After these provisious the carry forward is increased by £193,713.

The production of crude oil in Iran during 1945 amounted to 16,839,490 tons, an increase of 31 million tons over reported to have been directed for the figure of the previous year, and a similar cargoes from Eastern Canadian record in the history of the company. Our oilfields at Masjid-i-Sulaiman and Haft Kel have continued to be our In the outward department lew main producing reservoirs, while Gach cargoes are available for export, apart Sanon and Agha Lavi also made subfrom some low grade varieties, although Saran and Agha Jari also made substantial contributions to the year's production.

The result well supports a remark made at the end of my statement to stockholders last year-that the company is "in the fortunate position of retaining its principal producing pro-In the North American department the feature has been the sustained demand for coal carriers. An American vessel of about 8500 tons has been taken for early August from IV. reservoir conditions which have been

#### CHAIRMAN'S VISIT

available. An American vessel has for me to refer to a visit which I paid while Coast 6 per cent. Preference been taken for heavy grain from the to the Middle East during the last gained 3d. to 25s. 9d. and Aviation & three months of 1945. I first visited This figure is \$1 below the ceiling level and can be repeated. Tonnage audience by H.I.M. the Shah. His industrial shares were nearly all in the is required for similar cargoes to Majesty was fully informed on the company's activities, and he showed a clear understanding of the problems which including asphalt, sulphur and phos- confront us after six years of war. I phate, and further space is required had the opportunity at Tehran and Rolls-Royce 1-32 to 5 9-16, and British

From Tehran I went to Abadan. The Sudan to Calcutta at 54s. 6d., while a refinery at Abadan is probably pro-British ship for August has been done cessing more oil than any other refinery for phosphate from Sfax to Durhan at in the world. Tremendous achievements pyrites from Huelva, and a 2000-tonner ticularly in the construction and 3d. to 9d. easier. has been done to Antwerp or Ghent for expansion of the aviation spirit plant. The capacity of Abadan refinery is now

been made to labour problems at our centres in Iran. The following account £479,360 in Australian currency. gives some details of our labour conditions in that country and of the measures taken by the company for the well-being of its workers. The regions in the south in which the company operates are mainly arid, and were formerly virtually unpopulated. Before the period of its use by the company, Abadan Island was desert, fringed by a riverside area of date gardens and LIVERPOOL, Tuesday adjoined by a small village. It is now Only limited chartering progress is the site of this great refinery and of possible with the numerous orders held one of Iran's largest townships, and

directions for special cargoes. North
American coal orders are freely quoting for the Continent and South American that the company has built over 14,000 houses. for the Continent and South America, and quarters for its employees and it and there are requirements for Gulf must be remembered that it is the comgrain, sulphur, phosphate and Cuba pany that has to provide roads, sewage sugar. Some River Plate grain inquiry disposal, electricity, water supply and other facilities for each of these houses. RIO GRANDE DO SUL/SANTOS to INDIA.—Stmr., 8500 t., 100s. per ton, cement, woodwork, roofing, kitchen London to Durban is to be reduced from £180 to £175, and the London to 9200 t., 32s. 6d. per ton, iron ore, Aug. hold fittings. In the sphere of general CASABLANCA to HOLLAND. — Stmr., 8800 t., 27s. 9d. per ton, phosphate, Aug. and presented by the company to the

CARDIFF, Tuesday Iranian education authorities. We are shareholders in the Iraq industrial and utility demand for to Johannesburg, £113 (present fare screened steam and graded coal and £123); Aden to Karachi, £51 (present a lot of tonnage is to be had and the its pipeline to the Mediterranean. The throughput of the refinery at Haifa, SWANSEA, Tuesday which processes mainly Iraq crude oil The position is unimproved so far as amounted in 1945 to 4,010,853 tons. chartering for coasting directions is Plans are now in hand for further concerned, as demand remains very extensions to the refinery and for the limited. Firm conditions are ruling installation of plant for the production

#### INCREASED FLEET

The British Tanker Company's fleet. has been increased from the figure of Chartering for Norway, Sweden and 69 vessels, of 758,000 deadweight tons

is a good forward inquiry, but stemming is very difficult. More forward tonnage holds off.

I said in my last statement the production from our English oilfields could be expected to continue for some years, be expected to continue for some years. although at a declining rate. The production in 1945, in fact, fell to 71,542 tons. The search for new fields continues, but no fresh discoveries have been made.

I am glad to be able to report that all our oversea organisations in Allied and neutral countries are reasonably equipped for peacetime trade and virtually all our pre-war managerial and senior staffs are with us. We hope fully to maintain our position in markets where we formerly had established outlets and, in addition, we have

The report was adopted.

### MONEY MARKET

Assistance Necessary

There was a marked contraction in eredit supplies yesterday, and porrowers of overnight loans had some meeting of the Anglo-Iranian Oil Com- difficulty in satisfying their needs. In the discount market some of the banks were fair buyers of September and (chairman) presiding. The following is early October Treasury bills, but in spite of that fact the market found it necessary to seek assistance from the special buyer. Foreign exchange rates remained at recent levels. Official sources satisfied a small trade inquiry for silver at unchanged prices.

#### STOCK EXCHANGE

#### Prices Again Easier

On the Stock Exchange yesterday business was on a disappointing scale The tone at the opening was easier, but in the afternoon a demand sprang up for some of the leading South African gold mining shares, and copper issues also tended upwards.

In the gilt-edged section the 4 per cent. Funding closed 1-16 up at 118; but falls of 1-16 were shown in the old Consols to 963, the 31 per cent. War Conversion to 112. Home railway Ordinary stocks were quiet and dull Great Western weakened 1/2 to 54, while Midland at 261 and Southern Deferred at 20 were each 1 off. Argentine railway prior charge stocks were 1 to 2 down, while the junior issues were 4 to 2 weaker where changed.

Shipping issues have been fairly active, with the majority of the movements against holders. Losses of 6d. were registered in Cunard to 33s., Court to 35s. 6d., Orient to 65s. 6d., Royal Mail to 28s. and Union-Castle to 30s. 6d., while Graig were 3d. easier at 25s. On the other hand, Isle of It may be convenient at this point Man were marked up 3s. 6d. to 50s.,

Shipping 12d. to 4s. downward direction. Cable and Wireless dropped 21 to 1101 and the Preference 1 to 112. Guinness gave way 2s to 159s. 6d., Leyland 1-16 to 5 5-16, for Cuban sugar.

There have been no fresh developments in the various Indian trades, and was happy to observe the excellent British Plaster Board to 32. 9d., Durban coal exporters are requiring relations which existed between the Marks & Spencer to 82s. 6d., Tilling further vessels. A steamer of about Imperial Iranian Government and the to 51s. 9d., and Unilever to 53s. 3d.

Oils were weaker, although Trinidad Leaseholds were exceptionally 3-32 up at 5 15-16. Trinidad Petroleum Development lost 1-16 to 4 15-16, Shell a like amount to  $4\frac{6}{8}$ , and V.O.C. 1-32 52s, 6d. There is a fair inquiry for took place there during the war, par- to 3 11-16. Several other issues were

The Agent General for almost double what it was before the Australia has received cable advice from his Government that, during AMENITIES FOR WORKERS

Various references have recently received at the Royal Mint, Perth. The value is £383,488 sterling, equal to

## COMMODITIES

GRAIN LONDON (Baltic Exchange), Tuesday WHEAT. — Only small quantities of Canadian grades were available to the Control at unchanged prices. Quotations: No. 1 Northern Manitobas for July shipment from St. Lawrence 174c., from West St. John-Halifax 175½c., from Baltimore or Philadelphia 178½c., from New York 179½c. per bushel, f.o.b. No. 2 grade 3 cents less in each case. Australian, July-Aug., in bulk, 71s. per 480 lb., f.o.b.

MAIZE.—Argentine quiet and easier, Oct. shipment from up River 90s. 3d. and from down River 92s. per 480 lb., f.o.b.

#### OILS AND OILSEEDS

LONDON (Baltic Exchange), Tuesday OILS.—LINSEED.—Raw £65. RAPE. —Crude £91. COTTON.—Crude £52 2s. 6d. CASTOR.—Firsts £82; seconds £80. GROUNDNUT and SUNFLOWER.

—Crude £56 10s. per ton.

ROSIN.—American grades F to M 47s.,
WG 48s. 6d., WW 52s. 6d. per cwt.

OILSEEDS.—For shipment. CASTORSEED.—Bombay £43 10s. per ton. Other
oilseeds and groundnuts all unquoted.

#### FOREIGN PRODUCE

LONDON (Mincing Lane), Tuesday SPICES.—CLOVES.—Easier, Zanzibar pot 1s. per lb. sellers c.i.f. July/Aug. 9\frac{3}{4}d. buyers' licence), afloat 10d. per lb. sellers. PIMENTO .- Spot 1s. 2d. per lb. sellers. CHILLIES.—Mombass spot 150s. per cwt. sellers. MACE.—West Indian pale spot 5s. per lb, nominal.

JUTE.—Inactive. Daisee 2-3 new crop Oct.-Nov. shipment £44 10s. per ton nominal.

SHELLAC.—Inactive on the basis of 365s. per cwt. sellers, ex warehouse for F.O.T.N. Pure.

#### METALS

LONDON (Metal Exchange), Tuesday TIN.—The Directorate of Non-Ferrous Metals supplies tin of 99 per cent. to under 99.75 per cent. at £300 per ton, delivered works, plus prices and charges, if any, for grades, sizes of ingots, bars or strip, granulated and small lots; export £357 per ton, f.o.b. U.K.

TINPLATES.—Home delivery 32s. 6d. basis I.C. 14 x 20 f.o.t. makers' works; export 38s, to 42s. basis f.o.b. South Wales. Uncoated plates 27s. a box. COPPER.—Electrolytic and wire bars

COPPER SULPHATE.—98/100 per

copper Sulphate.—98/100 per cent. £33 10s. per ton (less 2 per cent.), in 2 cwt. bags (free), f.o.b.

ALUMINIUM.—Ingots and bars for home delivery £67 per ton, delivered.

ANTIMONY.—English 99 per cent. £125, and crude 70 per cent. £105 per ton, delivered.

TUNGSTEN ORE.—The official selling price stands at 75s. per unit, delivered PLATINUM .- Refined maintained at

£17 per troy ounce.

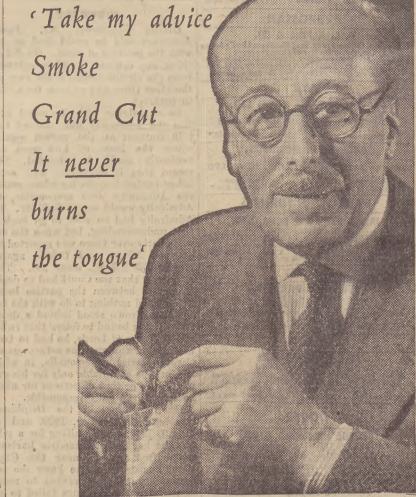
NICKEL.—For home delivery £190 to
£195 per ton, according to quantity.

PIG IRON.—No. 3 Cleveland 163s. per
ton, delivered Middlesbrough area.

#### NEW COMPANIES

BRITISH & OVERSEAS INSURANCE COMPANY, LTD.—Capital £125,000, to carry on the business of fire, marine, aircraft, accident, vehicle, plate glass, boiler, engineering and other insurance and re-

engineering and other insurance and reinsurance, and mortgage or other investment, insurance, &c. The directors are: Messes. Cecil M. Cooper, Harold N. Carvalho, Marck Lush, Isidor Solnik, Solomes Teff, Yechiel Rabinovitch and Israel Rabinovitch. 48, Fenchurch Street, E.C.2. SCOTT MILLS & CO., LTD.—Capital \$500. Merchants, traders, shipowners and brokers, agents, &c. The permanent directors are: Messrs. Howard H. Scott and Harold D. Mills. Basildon House, Moorgate, E.C. 2.





LIMITED GODFREY PHILLIPS ISSUED

SOLID COPPER GASKETS. **JOINTS & WASHERS** 

of every Type

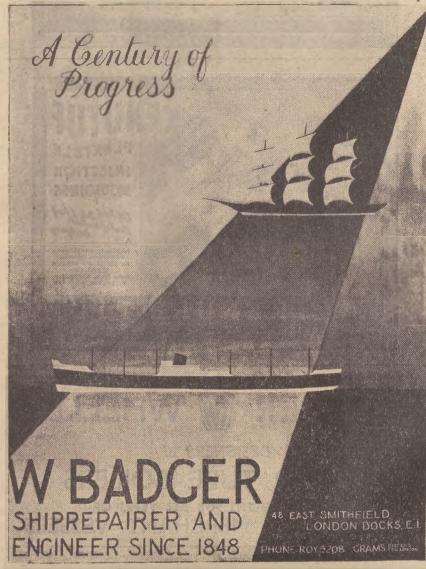
# Shipbuilding Engineering Section

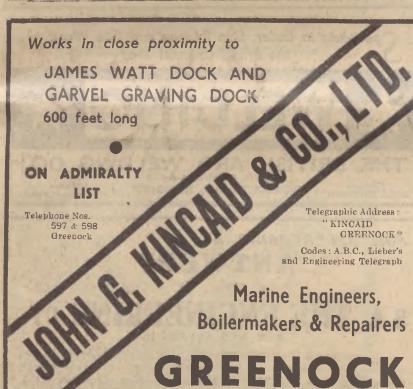
Wednesday, July 31, 1946

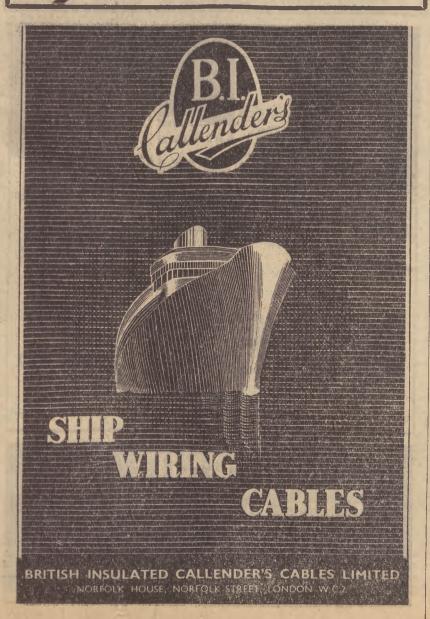
SELF-CLEANING

For FUEL, LUBRICATING OIL, Etc. ON ALL THE WORLD'S NAVAL & MERCHANT VESSELS
A TURN OF THE HANDLE
CLEANS THE STRAINER

AUTO - KLEAN STRAINERS LTD. 115, STAINES ROAD, HOUNSLOW, MIDDX.







# Round the Shipyards

Survey of Work and Prospects

By Our Own Correspondents

THE CLYDE

LLOYD'S LIST

Yards Reopen With Busy Time in Prospect

Work at the yards of John Brown & Co., Ltd., and the Fairfield Shipbuilding & Engineering Company, Ltd., was resumed to-day, but most of the third of the name to be built at the the yards on the Clyde returned from Queen's Island for the same owners the holiday a week ago, with a formidable programme in prospect. Not Statendam lay in the port for nearly only have they a larger volume of three years awaiting orders for her tonnage under construction than at completion and she was eventually any time for 25 years, but, according towed to Holland in 1927. Messrs. to Lloyd's Register Returns, they were Harland & Wolff supplied her turbine responsible for more than half the machinery and co-operated with Wilincrease in the national total during ton's Slipway & Engineering Company the quarter to the end of June. Most yards are assured of full-scale activity for two or three years ahead, and it is understood that additional orders are at an advanced stage of negotiation. There is an inducement to place further orders in that tonnage prices are much more likely to increase than to react from present levels, which are, of course, approximately twice pre-war figures. It is believed, for example, that a further moderate rise in steel prices will be announced shortly, the purpose being to offset the recent increase in railway charges.

Many builders will still be busy at the end of three years, and although the outlook then may not be so bright as now, it is hoped that orders will be received from foreign owners ncreasing numbers. A feature of the atest Lloyd's Register returns is that the percentage of such tonnage under construction in the whole country is now up to 14, and it is known that Clyde yards have yet to lay the keels of several vessels for oversea owners. Price will ultimately be the main deciding factor, but although costs in Britain are higher than in some other countries (Sweden, for example), it is hoped that increased efficiency resulting from intensified research will serve to maintain Britain's position as the foremost shipbuilding country.

The latest arrival in the river for reconditioning is the liner Llanstephan Castle, a vessel of 11,348 tons gross. built in 1914 by the Fairfield Ship-building & Engineering Company, Ltd. She is to be refitted before re-entering the South African service of the Union-Castle Mail Steamship Company, Ltd. So far it has not been decided which firm will undertake the task of reconditioning, but it will not

Barclay, Curle & Co., Ltd., had a repair, of which nine were in dry dock. At Linthouse, Alexander Stephen & Sons, Ltd., continued work on the Acasta, Empire Victory and Monte Rosa (to be renamed Empire Wind- sible for any unemployment. rush), and also carried out voyage repairs on the Cameronia and Nea Hellas. Thirteen vessels engaged the attention of D. & W. Henderson, Ltd., five being in dry dock and one in process of reconversion, Harland & Wolff. Ltd., Govan, had in hand the reconditioning of the fleet auxiliary tanker Empire Edgehill (to be renamed Ware Chief). The Blythswood Shipbuilding Company, Ltd., were effecting voyage repairs and sundry alterations to the Stamford Victory and Langleegale. In addition to the Clan Cumming fitting out, the Greenock Dockyard Company. Ltd., had on hand three cargo vessels and two tankers.

#### BELFAST

#### A Long Dutch Association With the Queen's Island

BELFAST, Tuesday An association dating back to the last century is renewed by the order placed by the Holland-Amerika Lijn. Rotterdam, with Harland & Wolff. Ltd., for two eargo liners of 10.500 tons gross. Both vessels and their turbine machinery will be built at Belfast. In the course of his speech at the annual meeting in June, Sir Frederick Rebbeck, chairman and managing director, referred to work in hand for Dutch owners but it is understood that at that time only one ship was in view, the second having been added later.

Harland & Wolff, Ltd., are thus contributing to the country's export trade tonnage for wiree foreign flags, since

they are already engaged on three cargo vessels for the French Government and a whale oil refinery for Norway. They have built ships and engines for the Holland-Amerika Lijn over a long period, but the present order is the first since 1930, when the Govan GLASGOW, Tuesday works constructed the diesel machinery

or the Damsterdijk. The last ship to be laid down for the Line at Belfast was the Statendam (28.291 tons gross) in 1924. She was Owing to the conditions at the time the at Schiedam in fitting her out.

The number of vessels ordered from Belfast since the start of the year is now nine, which corresponds to the number of launches to date. Messrs, Harland & Wolff have therefore been able to keep their establishment working to capacity. There are at present three keels to be laid down and, as mentioned last week, a further order is in prospect for the only vacant building berth.

The returns issued by Lloyd's Register for June 30 show a large increase in the merchant tonnage in hand at Belfast over the past year The total in June, 1945, was 17 vessels of 159,000 tons, whereas it is now 25, of 228,650 tons. The latter figure includes for the first time work being done by the Lagan Construction Company, Ltd., which comprises two small tankers and two barges. 'The Queen's Island return may be taken as seven steamers, of 116,950 tons, and 14 motorships, of 108,300 tons, which is, of course, exclusive of five aircraft carriers aggregating about 100,000

#### THE TYNE

#### No Immediate Prospect of Overtime

JARROW. Tuesday There is no immediate prospect of the introduction of overtime at local ship-repairing yards. The question was considered a few days ago by the Tyneside Wages Committee, but it is understood that no decision was reached. The Boilermakers' Society are continuing to oppose overtime as be surprising if it is carried out by her long as any of their members are unemployed. It is admitted that the number of men idle is not large and is busy week, with 29 vessels in hand for mainly due to the transition from wartime to peacetime work. The repair yards are, of course, working at full capacity and cannot be held respon-

So far this year output from Tyne yards shows a substantial increase on the figures for the corresponding period of last year, and it is expected to continue to increase until the end of the year. Although eight fewer vessels have been faunched this year, there is an increase in bulk of 24,000 tons, compared with last year, trials are to be held shortly of the motorship Harpagus, which has been undocked by Swan, Hunter, & Wigham Richardson, Ltd., on completion of the joining of a new forepart to the original afterpart. Messrs, Swan. Hunter will pass on immediately to a similar piece of ship surgery, to be carried out on the Norwegian motor tanker Thorshordi, the two parts of which were towed to the Tyne from North Africa in May and June this

An interesting vessel undergoing trials this week is the motor tanker Auricula, of 12,000 tons d.w., built by R. & W. Hawthorn, Leslie & Co., Ltd. Hebburn-on-Tyne. The Auricula's propelling machinery consists of a modified diesel engine which will use heavy oil for fuel. This engine was evolved as the result of three years research carried out by the technical staffs of the Anglo-Saxon Petroleum Company, Ltd., owners of the vessel, and Messrs, Hawthorn, Leslie. At the launch of the Auricula last April, Viscount Bearsted, chairman of the Anglo-Saxon Company, declared that if their confidence in the success of the experiment proved to be justified, the east of operation of ocean-going vessels

(Continued on page 6, column 3)



Entirely self-contained, and can be used

either fixed, mobile, vertically or hori-

zontally, or suspended from lifting





#### BRITISH PAINTS FOR BRITISH SHIPS



SUPERSTRUCTURES FUNNEL PAINTS EVREDY

LIQUID RED LEAD EMPIRE ANTI-FOULING

COMPOSITION Company Colours a Speciality

BRITISH PAINTS LIMITED BRITANNIC WORKS

NEWCASTLE - ON - TYNE Phone: 25151 London Office: Royal Mail House, Leadenhall Street, London, E.C.3

'Phone: Mansion House 8874
Also at GLASGOW, LEITH, ABERDEEN, CARDIFF, LIVERPOOL, MANCHESTER

# BIRKENHEAD

HEAD OFFICE, SANDHILLS, LIVERPOOL

Shipbuilders, Engineers, Repairers & Boilermakers SEVEN PRIVATE GRAVING DOCKS up to 990 feet FLOATING BASIN, 14 Acres CRANES, 200, 150, 40, 30 TONS LONDON OFFICE: 5, Victoria Street, Westminster, S.W. 1

## J. RUSSELL & CO.

SHIP, ENGINE & BOILER REPAIRS

LONDON: Nr. Victoria, Albert & King George V Docks (BUTCHERS RD.) LIVERPOOL: Near ALL North End Docks - (LIGHTBODY ST.)



Phone - Molesey 2383/4/5 Night: Molesey 67

#### LONDON—LIFEBOATS and EQUIPMENT

MOTOR LIFEBOATS, CONVERSIONS, ALL APPLIANCES, REPAIRS, Etc. SERVICE AND SATISFACTION GUARANTEED

WATERCRAFT LTD., THE BARGEWALK, EAST MOLESEY.

zoeus ANTIFOULING

-COMPOSITIONS

THE WORLD'S BEST PAINT FOR FAST PASSAGES

Agents and Stocks Everywhere ZOCUS COMPOSITIONS & PAINT CO., LTD. Billiter Buildings, 49, Leadenhall Street, London E.C.3,

Shipbuilding & Engineering Section

LIVERPOOL

BIRKENHEAD

GARSTON

### ROUND THE SHIPYARDS

(Continued from page 5, column 4)

materially reduced.

Most of the shipyards are well occupied with reconversion and reat Messrs. Swan, Hunter's Wallsend yard, where she was built in 1939.

Smith's Dock Company, Ltd., last week had seven vessels in dock for repair and 12 affoat at their North Shields yard. The Mercantile Dry Dock Company, Ltd., Jarrow, dealt with six vessels affoat, including the Empire Atoll for reconditioning. The Nikos T., Matching, Beal and Wooler were still in dock.

About 200 self-propelled barges for the carrying of rice in Burma are being built in British shipyards, and the first two under construction on the Tyne have been launched from the yard of the Shipbuilding Corporation, Ltd., at Low Walker.

#### THE MERSEY

#### Movement for a Shorter Working Week

BIRKENHEAD, Tuesday The shorter working week has again ecome a problem topic in engineering and ship-repairing circles on Merseyside. The introduction of a shorter working week by certain engineering establishments seems to have brought the subject to the fore again.

Several firms in the engineering section have slightly reduced the working week below 47 hours by the introducation of a 5-day week, increasing daily hours from 8½ to 9. This is not looked upon with favour by the trade unions, and the Confederation of Shipbuilding and Engineering Unions have recommended to their constituent bodies that any attempt to increase the daily working hours, even though it means a slight reduction in the total for the week, should be resisted. The official attitude is that the lengthening of the working day will introduce another problem which will be difficult to tackle in the future.

On Merseyside the Shop Stewards' Committee are pressing the unions to push forward the deferred application for a 40-hour week. It was agreed that the small sub-committee of the employers and representatives of the Confederation should consider the question of a 40-hour week, but up to the present no action has been taken.

#### THE FORTH

### Dry Docks Fully Occupied

LEITH, Tuesday Active conditions continued in the for repair than in the previous week, carrying capacity of 6090 tons d.w. and the dry docks, large and small, were fully occupied. Several long-term contracts were still in hand, but a large proportion of the work was concentrated on the reconversion of merchant conversion contract on the Ethiopian, and which was expected to be finished equipment for the expeditious handling few weeks for further alterations.

There was a substantial addition to

powered with diesel engines would be Messrs. Robb's yards last week and the total reached 20 vessels for conversion. survey, overhaul and voyage repairs. Menzies & Co., Ltd., had 13 vessels in conditioning contracts and another big hand for similar attention, with several ressel expected shortly is the Dominion others due shortly. Geo, Brown & Sons Monarch, which will be taken in hand (Leith), Ltd., were actively employed with the reconversion of trawlers and general repairs on a number of mer chant vessels.

#### THE TAY

#### Caledon Yard on Holiday Last Week

DUNDEE, Tuesday Work was at a standstill last week during the Dundee trades holidays. Just before the close-down the Caledon Shipbuilding & Engineering Company. Ltd., redelivered the steamer Aboyne to her owners after conversion from a convoy rescue ship, the firm also com-pleted repairs to the steamer Urbino.

Vessels still under repair include the Iceland, Belford, Perth and the sub-marine Thorough. The latter is undergoing a major refit. Many sub-marine jobs for the British, French. Netherlands, Polish & Norwegian navies were tackled by the Caledon Company during the war, but this type of work has not been seen much since the local base (H.M.S. Ambrose) was closed down.

It is expected that the new passenger and cargo motorship Szechuer for the China Navigation Company Ltd., will leave the fitting-out wharf during the next few days. She is to load at Middlesbrough for the Far

#### THE TEES

#### Yards Not Yet Working to Capacity

MIDDLESBROUGH, Tuesday Notwithstanding the activity in the shipbuilding industry, local yards are not yet working to capacity. With a dozen ships on the stocks and others on order, Wm. Gray & Co., Ltd., o. West Hartlepool, are well employed. but at the end of June only 12 vessels were under construction by Smith's Dock Company, Ltd., and the Furnes Shipbuilding Company, Ltd. tonnage will be laid down shortly, however. Smith's Dock Company have already received contracts to build a number of medium-sized vessels for Norwegian owners, and a further order for a cargo vessel of 3600 tons d.w. has recently been received from A/S Brodrene Olsen, of Stavanger.

The firm have just completed delivery of the twin-screw tanker Geomitra, built at South Bank for the hip-repairing yards during the past Anglo-Saxon Petroleum Company, Ltd. week, even more vessels being in hand She is 382 ft. in length, and has a

At the Furness yard the whale-oil refinery Southern Harvester is rapidly approaching completion and is due to depart in good time for the opening of the Antarctic whaling season. The ressels and trawlers. The extensive third of these vessels to be completed at the Haverton Hill yard since the which has been in the hands of Henry war, the Southern Harvester embodies Robb & Co., Ltd., for several months many improvements in her complex now, has been extended for another of the season's fishing in Southern waters.

The names of Mr. J. McGovern and the number of vessels under repair in Mr. R. Boardman, who have been jointly associated with the Furness yard since it was established over a quarter of a century ago, figure in an official announcement just issued by the company. Mr. J. McGovern has relinquished the post of managing director to become deputy chairman of the company under Mr. Stephen Furness, and Mr. R. Boardman succeeds to the vacant post of managing director.

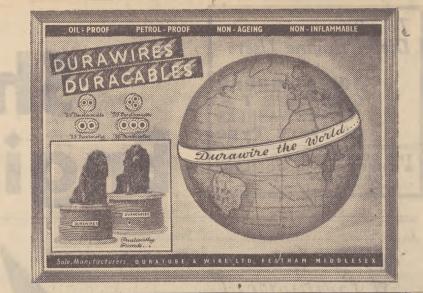
#### SOUTH WALES

#### Steady Flow of New Work CARDIFF, Tuesday

Activity was maintained steadily in Bristol Channel ship-repairing yards last week. Most companies had their dry docks regularly occupied, and a considerable volume of general voyage repairs was carried out on vessels at the wet-dock berths. Extensive reconditioning and damage contracts were continued in dry dock, the amount of fresh work taken in hand being about equal to that of recent

The Mountstuart Dry Docks, Ltd. and associated companies at Cardiff Barry, Newport and Avonmouth, had 15 vessels in dry dock in addition to commitments on a large number afloat. Among the new arrivals in dry dock were the Trevethoe, Kirsten Mærsk, Empire Mandarin and Rocky Mountains Park for general repairs, and the Flimston for overhaul. The Catrine remained in hand for heavy damage repairs, the *Aletta*, *Trocas*, *Sata* and *Oku* for overhaul, and the *Norlys*. Welsh Trader, Empire Homestead and Samchess for general work. C. H. Bailey, Ltd., were engaged on 42 vessels in dry dock and afloat. At Cardiff they continued the Maurice

(Continued on page column 3)





#### WHEELER FOSTER

DESIGNERS of

## WATER TUBE BOILERS

SPECIAL DESIGNS FOR ALL TYPES OF NAVAL AND MERCHANT VESSELS

FOSTER WHEELER LTD. :: ALDWYCH HOUSE :: LONDON, W.C. 2

Cpecialists in Boiler, Ship Repairs and Site Work in the Bristol Channel area



BRITISH ARC WELDING CO.

(BRISTOL CHANNEL) LIMITED ROATH BASIN, CARDIFF "Arcaweldo" Cardiff 5343 & 5344 Cardiff

FOR ALL REPAIRS AT ANTWERP

APPLY TO

RUE DES INDES - 10

Tel. Address: "ENGINEERING"

Tel.: 3/2.07 - 359.90

London Agents: J. KEEBLE, 6, Lloyds Avenue, London, E.C.3 Telephone: Royal 3826





five years old. Day and night, week after week, engines are better and more reliable than ever. for four years it was driving the machinery, making weapons of war, in the "Mirrlees" factory. After the war it was neither scrapped nor retired on pension, instead it was signed on for a further twenty-one years. From this gruelling test it never faltered and September 3rd, 1939, found the old "Mirrlees" ready and fit to do its bit towards winning World War II. And today, with the war won, this grand old man of diesel engines is not just standing around waiting for his ticket, but is still doing yeoman service in the power house of the

WHEN the first World War was declared this "Mirrlees" factory. With a pedigree that includes this "Mirrlees" engine was no chicken, it was grand old sire, it is no wonder the modern "Mirrlees"



MIRRLEES, BICKERTON AND DAY, LIMITED, HAZEL GROVE,



LIST OR TRIM

GRAVITY & MECHANICAL

WIRE ROPE FALLS POWER & HAND

**COMBINATION WINCHES** 

# Patent LIFEBOAT SKATES

LIFEBOAT SKATES (DETACHABLE)
FITTED WITH QUICK RELEASE ADJUSTABLE TO GUNWALE
OPPOSITE GUNWALE FITTINGS

SKATES FOR LIFEBOATS TO B.O.T. SCANTLINGS SUPPLIED FROM STOCK HUNT'S PATENT LIFEBOAT RESCUE LADDERS

HUNT'S COMBINATION POWER & HAND WINCHES
WITH SPEED OF LOWERING CONTROL

HUNT'S LIFEBOAT HAND WINCHES



J. B. HUNT LTD.

79/80, BUTE STREET, CARDIFF

# SHORT BROTHERS, LTD

CARGO & OIL TANK STEAMERS

UP TO 13,000 TONS D.W

Telegrams:
"Short Sunderland"

PALLION SHIPYARD SUNDERLAND

SHIPBUILDERS & REPAIRERS

# AILSA SHIPBUILDING CO., LTD.

TROON, Ayrshire

Shipbuilders, Shiprepairers and Engineers

At TROON DRY DOCK 400 feet by 56 feet DRY DOCK 289 feet by 37 feet SLIPWAY 850 feet by 54 feet taking vessels up to 2,000 tons gross.

ENGINEERING WORKS AT TROON AND AYR Telephones-38, 39 & 58 Troon.



RYE ARC-WELDING Cº SHIPREPAIRERS



BOILERMAKERS ENGINEERS

SWIM BARGE -RECONVERSION

OVEX WHARF, MILLWALL

Office: Sprowston Road,

Forest Gate, E. 7

Phone: MARYLAND 3008/9 & 3328

# GRABTREE (1931) LIMITED

SHIPBUILDERS & ENGINEERS

Southtown Ironworks, GREAT YARMOUTH Telegrams: "Crabtree" Gt. Yarmouth.
Telephone: Gt. Yarmouth 3046. Lowestoft 262

Builders of Cargo Steamers up to 800/900 tons d.w. Tugs, Trawlers, Drifters, etc. Engines and Boilers up to 1000 I.H.P. Iron and Brass Founders Ship, Steam and Diesel Engine Repairers. Iron or Manganese Bronze Propellers & Stern Gears.

VENTILATION AND HEATING OF SHIPS. AXIAL FLOW SPECIAL FANS & WEATHER-& CENTRIFUGAL FANS. PROOF COWLS FOR FAST LAUNCHES. LOUVRES, Etc.

# ENGINEERING CO., LTD.

EARL HAIG ROAD, HILLINGTON, GLASGOW, S.W. 2

Phone-HALfway 3304/6

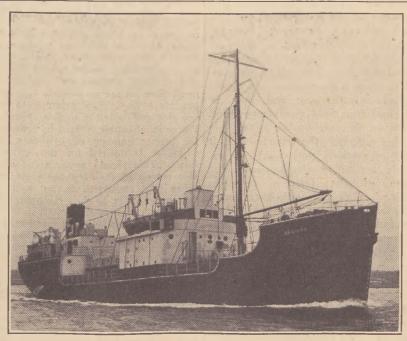
Grams-Ventilator Glasgow

# Work for the Shipyards

Shipbuilding & Engineering Section

Orders Reported in "Lloyd's List" during the Week Ended July 30, 1946

Yard	Number & Typ	e Size	Engines & Builders	Owners
Sir James Laing & Sons, Ltd., Sunder- land	Motor tanker	16,000 d.w.	Doxford oil engine William Doxford & Sons, Ltd.	British Tanker Co. & Ltd., London
William Doxford & Sons, Ltd., Sunderland	Motor cargo liner	9,000 d.w.	Doxford oil engine William Doxford & Sons, Ltd.	Bank Line, Ltd (Messrs. Andrew Weir & Co. managers), London
Wm. Doxford & Sons, Ltd., Sunderland	Cargo m/ship	9,500 d.w.	Doxford oil engine Wm. Doxford & Son	
*Harland & Wolff, Ltd., Belfast	Two cargo liners	10,500 gross	Steam turbines Harland & Wolff	Holland - Amerika Lijn, Rotterdam
9		* Additiona	l details	



The coastal motor tanker "Arduity" (950 tons d.w.), recently delivered to F. T. Everard & Sons, Ltd., London, by the Grangemouth Dockyard Company, Ltd. A description of the vessel appeared in LLOYD'S LIST on Friday last.

#### ROUND THE SHIPYARDS

(Continued from page 6, column 4)

Milford Queen remained in at New-port, and the Joffre Rose, Poznan and of the yard during the war. This berth Beltoy at Barry.

The reconditioning of the G.W.R. passenger steamer St. Julien was continued by the Penarth Pontoon, Slipway & Ship-Repairing Company, Ltd. and the firm had work on two vessels afloat. The Avanville, which had been She will have a single deck, and two tin dry dock at Barry with Hodges & pump rooms. At present Messrs. Co., Ltd., for a long spell, was undocked and continued afloat. Six other White Star, Ltd., under construction Co., Ltd., for a long spell, was undocked and continued afloat. Six other vessels were also in hand afloat. The Prince of Wales Dry Dock Company, Swansea, Ltd., proceeded with the by a second similar vessel. Then will British Honour in the Prince of Wales dry dock, and the British Cavalier in due for delivery early in 1949. the Palmers, and dealt with 13 vessels afloat. A tug and a trawler continued to occupy the attention of the Port Talbot Dry Dock Company, Ltd., in

#### THE WEAR

#### Portuguese Patronage of British Yards

SUNDERLAND, Tuesday Two launches took place last weekend-the Hendrik, a 3650-ton vessel, built by Wm. Pickersgill & Sons, Ltd. for the Euxine Shipping Co., Ltd. London, and the Rovuma, a 9100-ton cargo liner, built by Bartram & Sons, Ltd., for the Companhia Nacional de Navegacao, Lisbon. The Hendrik is a shelter-deck steamer, built for the fruit-carrying trade in the Mediterranean. Triple-expansion engines will be installed by the North Eastern Marine Engineering Company (1938), Ltd. Messrs. Pickersgill are to build a

similar vessel for Egyptian owners. The Rovuma was the first foreign order placed and licenced for building in British shipyards after the end of the war. At the launch, the Portuguese Ambassador, the Duke of Palmella, remarked that Portugal's old friendship for Britain was demonstrated by the fact that 17 vessels for their merchant fleet were to be built in Britain. The Wear has certainly a good share of these orders: Messrs. Bartram are to build eight, as well as two for another Lisbon company. William Doxford & Sons, Ltd., have orders for some of the remainder.

Messrs. Bartram will launch a sister ship to the Rovuma on Aug. 29. On the berth vacated by the Roruma they are to lay down a cargo motorship of 7000 tons d.w., ordered by the French Government. After the launch on Aug. 29 the next vessel to be laid down will be a similar one, to be supplied with a Doxford oil engine, by the Wallsend Slipway & Engineering Company, Ltd., for the Halal Shipping Company, Ltd., London. This is a contract which has not been previously announced. Both these vessels will have a speed of 15 knots.
S. P. Austin & Son, Ltd., have handed over, after satisfactory sea

trials last week, the collier Brixton, built for the South Metropolitan Gas Company. She is the third to be built by Messrs. Austin for these owners, but

the first of the Thames up-river type. She has a carrying capacity of about 2460 tons d.w.

The 16,000-ton tanker ordered by the British Tanker Company, Ltd., from Rose, Maj and an L.C.T., besides doning the Jellicoe Rose and Empire the largest vessel ever to be built on the Haldane. The Culebra, Retriever and the Wear. She will be constructed in the new berth, laid out at the east end the new berth, laid out at the east end could take an even larger ship—up to 18,000 tons. Messrs. Laing's previous biggest vessel was the tanker Eidanger. of 14,500 tons d.w., built in 1938. The new vessel will be 545 ft. in length. 70 ft. in breadth, and 38 ft. in depth in the new berth, due to be launched in September, when she will be followed

#### ICELANDIC FISHING VESSEL

The deep-sea fishing vessel Saefogl. built at A/B. Gustafsson & Soners Skeppsvarv, Landskrona, has run trials. One of the series built at Swedish yards for the Icelandic Government, she is 80 ft. in length and of 85 tons. Her propelling machinery consists of a 200-h.p. Atlas diesel engine, and she is fitted with echo-sounder, wireless transmitting and receiving set, and electric generating

A new feature in the Tyne Gangway Company's self-levelling step accommodation ladders is that the steps work on brass pivot pins, which may be lubricated, so that the risk of binding through corrosion is obviated. These ladders are being fitted in new vessels of the Elder Dempster Lines, Ltd., the Shaw Savill & Albion Company, Ltd. the British Tanker Company, Clan Line Steamers, Ltd., the Medomsley Steam Shipping Company, Ltd., the Joseph Constantine Steamship Line, Ltd., Manchester Liners, Ltd., and the Houlder Line, Ltd.

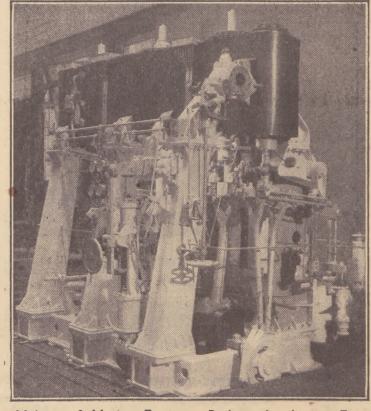
# **GHARLES D. HOLMES & CO. LTD.**

Wednesday, July 31, 1946

Page 7

LLOYD'S LIST

HULL ENGINEERING WORKS HULL



Makers of Marine Engines, Boilers, Auxiliaries, Etc. SPECIALISTS IN TRAWLER & TUG MACHINERY ALL TYPES OF TRAWL WINCHES ELECTRIC WELDING and METAL SPRAYING

BEARINGS and BEARING METALS

Consult

The Plain Bearing Specialists



Marine Steam Engines to 2500 i.h.p. Stern Gears, Propellers and Rotary Displacement Pumps for all fluids

MARINE ENGINEERS NEWBURY ESTABLISHED 150 YEARS

Yours Very TRUELY
The Sperry Tyro-Compass



# The Merchant Navy's emphasis on the necessity reliability in a ship's compass is echoed in this new Section (N10) of our Catalogue. It describes and pictures the NEW VER Outfit of which reports of cycles.

which reports of experience and tests at sea and the laboratory are

A copy will gladly be sent application to 57, Both-ell Street, Glasgow. SOUTH SHIELDS LIVERPOOL LONDON

Dobbie M<sup>c</sup>Innes Ltd 🕏

# AT SOUTHAMPTON

Graving dock available for the largest vessels afloat. Estimates promptly given for smallest repair or complete overhaul

JOHN I. THORNYCROFT & CO., LTO. Official Repairers to Cunard White Star Woolston Works, Southampton



"EXCAVATORS

Warehouses

for our new

# GERMAN SHIP DESIGN this confirms a similar statement by the

Shipbuilding & Engineering Section

Hamburg-Amerika Linie Experience

#### A.C. FOR PROPULSION AND AUXILIARIES

Discussions with the technical persound of the Hamburg-Amerika Linie regarding the latest ship designs and operating experiences form the subject of CIOS XXX-32, one of the reports submitted by teams of industrial experts who have visited Germany under the auspices of the Combined Intelligence Objectives Sub-Committee. The German officials interviewed included the company's managing director, director of shipbuilding, director of machinery, marine superintendent and naval architect. Extracts from the report, which is the work of two United States investigators, and may be obtained from H.M. Stationery Office. price 1s. 6d., are quoted below: -

This company (the report states) is very progressive, particularly as regards machinery development, and some of the German engineers with whom we have talked feel that they sometimes go too far. Their opinions, however, should certainly prove of interest.

Alternating-current diesel - electric propulsion plants of the type installed in the Robert Ley, Ostmark and Patria were discussed. The company seemed completely sold on A.C. electric drive for both turbines and diesels, because of the simplification of reversing problems; on turbine electric due to considerable blading trouble which they attributed to manoeuvring problems and for diesels because they wished to standardise on one cylinder size for nearly all powers, something quite possible with electric drive. They referred us to Analysis Report for the m.v. Huascaran, which had A.C. diesel-electric propulsion and showed an average fuel consumption for the whole voyage of .43 lb./s.h.p./ hour for all purposes. 11,500 s.h.p. in a 61 ft. engine-room was also pointed out as a diesel electric virtue.

Then there's

shop to

WARDS MIGHT HAVE IT

that "WARDS MIGHT HAVE IT."

Apologies for the interruption—but it is good business to remember

It is well known that WARDS can provide anything from a tipping-wagon to a battery of drop-hammers, but it may not be so generally known that

the WARD organisation can provide a comprehensive engineering

service for any industrial undertaking. When the scope of this service

The WARD GROUP of INTERESTS includes: MACHINE

TOOLS: POWER PLANT and INDUSTRIAL EQUIPMENT: LOCOMOTIVES

and CRANES: RAILS and SIDINGS STRUCTURAL STEELWORK

CEMENT, BRICKS, GRANITE and FREESTONE: ROADSTONE and

TARRED SLAG: FOUNDRY SANDS and SUPPLIES: and above all, SERVICE.

ALBION WORKS · SHEFFIELD

The Symbol of TWW Dependability.

is fully appreciated, the suggestion that "WARDS MIGHT HAVE IT"

is sound enough to warrant voicing at any board-meeting.

the machine

Boiler preferences were discussed. This company had tried forced circulation but now definitely preferred natural circulation boilers except for smaller powers where the La Mont type would be used in conjunction with stokers due to furnace suitability and

the building

alone - steel

cement etc.

ubstation Equipment

and Switchgear

Norddeutscher Lloyd. Steam separators were not considered necessary in the Boiler steam drums. Economisers were invariably used, not only in order to gain boiler efficiency but also to keep the boiler inlet temperature as high as possible. Economisers were made of steel and quite conventional. Boiler tubes were rolled in to grooved holes in the drums or headers and this seems to be the general practice in Germany except for forced circulation boilers. The company had experienced considerable trouble with superheaters from sulphur corrosion of the tubes during shut down, and this problem was solved by using a molybdenum steel alloy, Thyssen No. TH31.

#### Diesel Engines

As in all European countries, diesel engines are an important part of the marine power plant picture. As mentioned above in referring to the preference for electric drive, one of the most interesting points in our discussion of diesel engines was the statement that, as far as possible throughout their fleet, they attempt to use one size and design of engine cylinder. Power is, of course, varied by selecting the proper number of cylinders for whatever is desired for the various ships. This should mean a considerable saving in maintenance costs and spare part requirements, as well as making it easier to shift the operating crews from ship to ship.

In this connection they mentioned a new design by Sulzer in Switzerland. This was a 2-cycle engine with an individual piston type scavenging pump for each cylinder. This seemed to be one more step in the direction of standardisation, as with this design even the scavenging pump would be standard per cylinder. This change also results in very short engines and n turn, very short engine-rooms, thus saving cargo space

The Hamburg-Amerika officials, in common with practically all the other diesel men in Germany with whom we talked, were greatly surprised at our interest in crank case explosions. The standard practice in this regard is to vent the crankcase to the upper engineroom or skylight and to use plastic manhole covers with steel frames along the back side of the crankcase.

Diesel engines were always operated about 85 per cent. of rated power in order to reduce maintenance costs. Speeds were about 240 r.p.m. maximum, as with an engine of normal proportions this would not exceed a piston speed of seven metres per second, which was considered the maximum which should be used. Piston rings were allowed a maximum of 5 mm, (200 in.) wear before changing, and the average life for this amount of wear was two and half years. La Mont exhaust gas boilers are used whenever the cycle indicates the need for boilers.

Their modern practice as regards engine cooling systems was to use salt water for the cylinders, covers, &c., and oil for the piston. It is to be noted that the new Sulzer design mentioned above also employed this type of cooling. This line had used some fresh-water cooling, but did not consider that the extra equipment involved was justified in the engines with salt water cooling. Zinc plates were used to prevent excessive corrosion. Supercharges for merchant ship diesels were a new development, and this firm had not very much experience with them. They considered that superchargers were an inevitable development for large marine diesels and expected to use them in any new diesels which they might install grade of fuel oil selected for use with diesel engines was stated to be the best grade of refined diesel fuel, except for some of the Borneo crudes, which were satisfactory also. The extra cost of the fuel was more than made up for in lowered maintenance.

#### **Power Plant Preferences**

The officials were questioned about their preferences in ships' power plants of various sizes. For a ship up to 5000 s.h.p. and 5000 tons d.w., at a speed of 141 knots, with coal for fuel. they would use La Mont type forced circulation boilers with forced draught and Steinmuller coal stokers, using steam conditions of 440 to 500 lb. per square inch (30-35 ATM) and 770 to 840 deg. F. (410-450 deg. C.), with double-reduction geared turbines. This ship would be a relatively short haul tramp steamer and would have to buy coal at each end of the longer voyages. If fuel oil was desirable because of the service, diesels would be preferred, single-acting two or four-cycle, prefer-

ably four-cycle with supercharging. From 5000 to 10,000 s.h.p. they would use natural circulation oil-fired boilers with double-reduction geared turbines, or diesel-electric drive. Double-acting diesels might be employed if above 7500 s.h.p. per engine was required. For powers above 10,000 s.h.p. they would use the Wagner (Deschimag) natural circulation boiler, oil-fired, with steam conditions of 1170 lb. per square inch (80 ATM) and 880 deg. F. (470 deg. C.) at the superheater outlet. The propulsion turbine would be of the singlecylinder type with steam condition at the throttle of 870 lb. per square inch (60 ATM) and 840 deg. F. (450 deg. C.). Reduction would be A.C. electric in order to simplify the reversing problem. With this arrange-

(Continued on page 9, column 8)

# YOUR BUILDING AND REPAIRS

. . . modern plant, expert personnel, specialists in awkward problems, 5 Dry Docks taking ships up to 460 ft. by 58 ft. by 22 ft. 6 in. New Tonnage up to 500 ft. B.P.



BLYTH DRY DOCKS & SHIPBUILDING CO., LTD. LLOYD'S BUILDING, LEADENHALL ST., E.C.3 Telephone: MANSION HOUSE 8141 (6 lines) and BLYTH 755 (5 lines)



ised for many years in the supply of Portable Electric Drills, Grinders and Flexible Shaft Boiler Cleaning Outfits for Ships' use, including 110-Volt Machines

We shall be pleased at all times to have you consult us with your Electric Tool problems.

Electric Tools Division ALBEMARLE ROAD, BECKENHAM, KENT

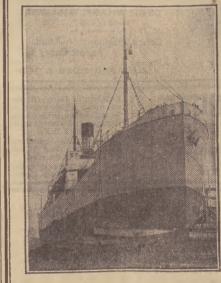
ALPERTON BIRMINGHAM

Branches: GLASGOW

MANCHESTER







Drydock and Slipway Accommodation Available for all Repairs to VESSELS UP TO 360 FEET IN LENGTH

J. S. DOIG (GRIMSBY) LTD. SHIP REPAIRERS GRIMSBY DOCKS

also

Oil-operated Reversing Gears

FOR THE MAIN PROPULSION OF ALL TYPES OF SHIPS

## MODERN WHEEL DRIVE, LTD.

15, DARTMOUTH STREET, LONDON, S.W.1

Telephone: Whitehall 2823 Telegrams: "Picturable, Parl, London Technical Office: Lindo Lodge, Stanley Avenue, Chesham, Bucks.

Telephone: Chesham 406 WORKS: TRADING ESTATE, SLOUGH, BUCKS.



# ANDREWS & CAMER

SEPARATE STEAM AND EXHAUST

FEED-WATER HEATERS

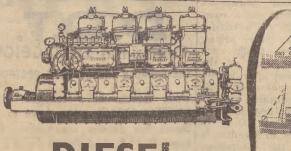
SECONDARY

SEA-WATER

**DISTILLERS** 

KIRKINTILLOCH, GLASGOW Telephone: KIRKINTILLOCH 2253

'Grams: "CAMAND," KIRKINTILLOCH



5 H.P. to 500 H.P.

H. WIDDOP & CO., LTD. GREENGATE KEIGHLEY ENGLAND Telephone: Keighley 3727-8
Telegrams: Widdop, Keighley
Codes A.B.C. 6th Edition, Bentley's, Bentley's Second

Telephone: 6494 Cradley Heath London Telephone: AVEnue 2747

ANCHOR WORKS, CRADLEY HEATH, STAFFS. London Office: Mitre Chambers, Mitre Street, E.C. 3



Makers of all types of Stock Anchors up to 2 tons Specialising also in Yacht Anchors and Stockless Anchors

## Shipbuilding & Engineering Section

GERMAN SHIP DESIGN (Continued from page 8, column 4)

ment the auxiliaries, including winches and steering gear, would be all powered by alternating current motors.

#### Oil Packed Stern Bearings

One very interesting development was the use of oil packed or lubricated stern tube bearings. As stated before, this company is prone to be extremely progressive, and the use of this type of bearing on a large scale seems to be an illustration of this, together with the fact that at Germaniawerft. in Kiel, they were building a vessel with roller bearings in the stern tube.

The arrangement in general was to have a plain steel shaft running pu babbit bearings with about .040 in clearance. The whole stern tube clearance is filled with oil which is maintained by a service tank and glands are fitted at the inboard and outboard end while lying at Pillau, near Koenigsafter end is very ingenious, as it uses the differential pressure between the head of the service tank and the variable sea water head due to changes of draught to exert a uniform pressure on the synthetic rubber packing gland. This can be more clearly seen on the

The reliability of this arrangement was stated to have been completely satisfactory, and was in service in the Robert Ley for over five years. One of the most important features of any design of this kind is an absolutely foolproof roper guard, which they seem to feel they have. However, the repair superintendent at the Deutsche Werke at Kiel stated that almost 50 per cent. of the vessels equipped with bearings of this type developed trouble sooner or later and damaged their stern hearings from loss of oil. He further stated that they were much better on the slower ships, which could proceed slowly if trouble developed, than the faster passenger ships, which had to maintain schedules regardless of conditions.

The Hamburg-Amerika Linie had not developed or used controllable pitch propellers and favoured built-up propellers for lower repair cost, although they admitted they were not as efficient as solid propellers.

#### Hull Design

Hull design and arrangements for several of their latest actual and proposed ships were examined in detail. The structural design was rather ordinary, being of the combination iveted and welded type, but a lew tems seemed worthy of mention. No all welded ships had been built, but it was felt that the yards could easily do this because of their extensive experience in building welded ships for the Navy. The designs, however, invariably included round batch coaming corners with insert reinforcement plates in the deck, and these insert plates were carefully tapered to the thickness of the adjacent deck plating with a long slope of about 20 per cent. Bulb bars were used exclusively and the cargo battens were fitted between frames to increase cubic capacity. No longitudinal framed cargo vessels were seen, but fluted bulkheads of various types were quite common in their

Steel hatch covers of the portable type were used in some of the designs with a tarpaulin over, as they found that the rubber gaskets used with this type of cover were damaged in service. Cargo ports were never used as they were considered too unreliable. 'Tween deck heights-upper, 8 ft., lower, 4 in. clear opening, were con sidered optimum for ordinary cargo vessels. The large electric-drive ships had two short shaft alleys outboard with a portable water tank between them, from the motor room aft, thus giving a flush deck for the hold above. The main propulsion cables were run from the engine-room in air and water

#### Cargo Handling

cargo ship designs.

Cargo-handling arrangements and plans were discussed at some length and the loading plan for the M.V Steiermark showing the arrangement of cargo spaces and cargo handling gear was obtained as being typical of their current practice. Their practice as regards sizes of hatches and number and capacities of the booms is not radically different from our own, but heavy lift booms have been used more extensively than with us. The winch designs and specifications had been standardised into one-, two- and threeton sizes which, with the addition of selective gearing to the three-ton design, also gave them a 5/3 and a 5/8 ton winch. They are definitely sold on electric winches for cargo gear as they consider the electric winch is faster and more economical. The use of A.C. electric power for all winches and other deck auxiliaries is a development which has not been extensively used in America, and this is another development on which the Hamburg-Amerika was completely sold.

#### Refrigeration

Refrigeration developments were not particularly interesting as the reciprocating type compressors were standard equipment. Aluminium foil sheets spaced closely together and running between the vessels' frames or beams and beyond were considered the ideal insulation.

In painting new vessels, no innovations, chemical or otherwise, as regards preparations prior to painting, were discovered. The practice was not to pickle the plating but merely to let it weather in the usual manner and then to wire brush the steel just prior to applying a coat of red lead. weeks after the first coat of red lead was finished a second coat was applied and three weeks after that the anticorrosive paint was applied to the vessel's bottom. The first coat of boot topping and topside paint, as well as

topside paint was applied.

#### Welding

Welding failures were not very prevalent in the Hamburg-Amerika fleet, probably because they had no all-welded ships. We did find that their two "Strength through Joy" cruise ships Wilhelm Gustloff and Robert Ley had some difficulties of this nature of the stern tube. The gland at the berg. East Prussia, during the cold winter of 1942. The failures were the usual strength and superstructure deck cracks in way of the connection to the shell, and a report from the Technische Hochschule in Stuttgart covering this matter was obtained. These failures apparently were not regarded with too much concern by the operators as we saw a design for a ship which was in process of construction for them at the Burmeister & Wain yard in Copenhagen which had the gunwale connection welded although the rest of the ship was completely riveted. In this regard it was stated that Germanischer Lloyd did not like this arrangement too well.

We also noted a Swedish design in which all the intermittent welding in such locations as floors to shell and similar joints was accompanied by semicircular snipes between the weld increments in order that the faying surfaces could be completely protected from corrosion by carrying the fillet welds around the ends of the snipes. This seemed to us a sounder method than by the excessive use of continuous welding as is done in America though the cost of sniping needs to be considered.

#### NEW DUTCH MOTOR COASTER

The Dutch motor coaster Nassauhaven, built by the Scheepswerf Waterhuizen J. J. Pattje, Waterhuizen, for the N.V. Gebr. Van Uden's Scheepvaart en Agentuur Maatschappij, Rotterdam, has run trials. She is of the raised quarter-deck type, and has a carrying capacity of 525 tons d.w. She has two 3-ton derricks. Her propelling machinery consists of a six-cylinder Brons four-stroke diesel developing 360 h.p. A Brons diesel of 20 h.p. is provided for auxiliary purposes.

LLOYD'S LIST Wednesday, July 31, 1946



# Carrier

## AIR CONDITIONING

TELEPHONE: ADDISCOMBE 3061/4
TELEGRAMS: UNICONTROL, PHONE, LONDON
380A, STRATFORD AGAD, SPARKSHILL, SIRM'#SHAM, 11
Glewingham Telephone: VICTORIA 2821

CARRIER ENGINEERING COMPANY LTD., 24 BUCKINGHAM GATE, LONDON, S.W.1



## YES—if your Replacement Ships are equipped with the LUX-RICH FIRE EQUIPMENT

This system is ready for action at the first signal of Fire. Released by remote manual control, the fire extinguishing Carbon Dioxide, through its own expansion, is easily directed, through distributing valves, to the space on fire, reaching the most inaccessible corners to smother the blaze. Co2 gas will not harm cargo or equipment in any way

INSTALLED ON OVER 2,000,000 TONS OF SHIPPING, INCLUDING "QUEEN MARY." "QUEEN ELIZABETH." MAURETANIA "ANDES," etc.

Full particulars from Shipping Service, LUX WORKS Belvue Road, Northolt, Middx.





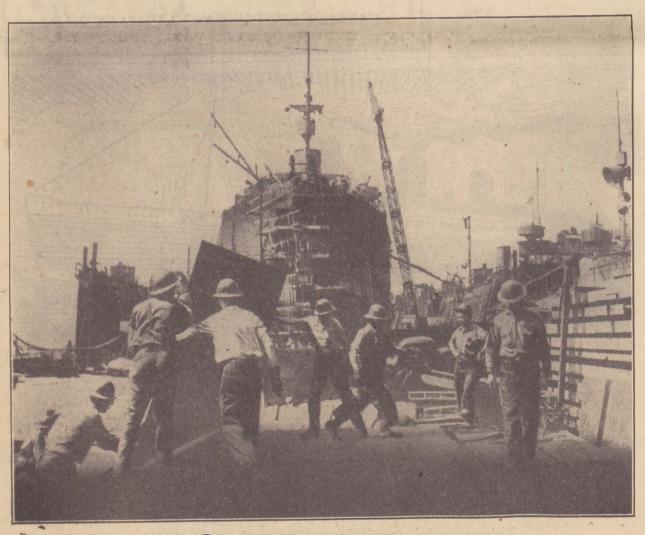
In or out of port, food cargoes are never free from the menace of Cross-tainting. Ventilation cannot always provide the cure; moving air carries the taint and passes it on, while the stagnant atmosphere of the dockside is even more dangerous. Nor do low temperatures completely solve the problem, for taint can spread in the refrigerator as surely as in the hold; scientific treatment of the air is the only protection. Ozono generators liberate fresh vital ozone and destroy all Crosstainting or after-taint left by a previous cargo. Permanent units fit into the existing ventilation ducts; portable units look after dangerous pockets. Current consumption and maintenance are negligible, and the units are supplied for any specified A.C. or D.C. voltage.



E-C-D LIMITED

ENGINEERS TONBRIDGE

Telephone: Tonbridge 737



# TODD SHIPYARDS ... a success story told by service

NDELIBLY identified with world shipping ... Todd Shipvards Corporation has helped meet demands for essential ship repairs, maintenance and reconversion for more than half a century. That's a lot of experience—and it adds up to an intimate and precise knowledge of how to keep vessels shipping the freight that all nations so

desperately need to-day. Britain's Merchant Fleets have long relied on Todd and the company's strategically located, expertly staffed shipyards throughout the two Americas for ship repair and maintenance... at low cost and with maximum efficiency and dispatch. And Todd remains, as always, at their service.

1 BROADWAY, NEW YORK 4, N.Y.

For more than half a century, repairers, converters and builders of ships for all the world . . . facilities in New York Harbour for the largest ships affoat. BROOKLYN HOBOKEN S. PORTLAND, ME. GALVESTON HOUSTON MOBILE NEW ORLEANS ES SAN FRANCISCO SEATTLE TACOMA BARRANQUILLA BUENOS AIRES LONDON

## Shipbuilding & Engineering Section

#### LAUNCHES

The following details of vessels launched have been received. All are constructed of steel unless otherwise stated.

		TO TOHOWALD CO					
D	ate	Vessel	Flag	Tons	Builders	Shipyard	Owners
Υ	0.7	Bunchland Oleveland	A		Dothloham Alamada Shin		American President Lines, Ltd. Moore-McCormack Lines, Inc.
Jne	28	Mormacpenn (Yard No. 451)	Am	7800	Ingalls Shipbuilding Corpora	tion Pascagoula	Moore-McCormack Lines, Inc.
		Yaque (Yard No. 4448)	Am		Bethlehem Sparrows Point Sh yard. Inc.	Sparrows Point	United Fruit S.S. Corporation.
Jly	16	Parismina (Yard No. 458) (2-sc)	Am	7074			United Fruit S.S. Corporation. Vve. Colin & M. Rabe.
		(Yard No. 769) (frawler)	. Fr				
Tlv	18	Michel Bernard	Fr		Cook, Welton & Gemmell, Ltd	i Beverley	Vve. Leon Ferton.
					(Last two not as befo Romano Spangher		
Jly Jly	26 26	Hendrik (Yard No. 303) Herdsman	Br Br	2250 6800	Wm. Pickersgill & Sons, Ltd.	d Sunderland Sunderland	Euxine Shipping Co., Ltd. T. & J. Harrison.
		(Yard No. 739) (motor Rovuma (Yard No. 314) (motor	Po	5200	Bartram & Sons, Ltd	Sunderland	Cia. Nacional de Navegacao.
Jly	29	Goulida (motor tank) (2-sc	Du	6295*	Smith's Dock Co., Ltd So	uth Bank-on-Tees	Anglo-Saxon Petroleum Co., Ltd.
Jly	29	Out to be to a substance of the	D	1000	Goole Shipbuilding & Repair Co., Ltd.	ing Goole	N.V. Hollandsche Stoomboot Mij.
					* Deadweight		

#### THE SHARE MARKET

#### Quiet and Easier

There has been a decided falling off in the volume of business in shipbuilding, iron, coal and steel issues during the past week, and in the absence of support the general tendency of prices has been unfavourable. Doxford have given way 5s. to 90s. and Swan, Hunter 2s. to 61s. 6d., while the last recorded marking in Thornycroft was at 76s. 3d John Brown weakened 1s. to 28s. 9d. Cammell Laird 3d. to 12s. 6d., Harland & Wolff 9d. to 27s., the Preference 3d. to 22s. 3d., Vickers 9d. to 24s. 9d. and Samuel Williams 1s. to 20s. Thos. Ward lost 6d. to 43s. 9d., Babcock & Wilcox 1s. 3d. to 64s., Colvilles 6d. to 23s. 9d. and Firth & John Brown 1s. 3d. to 46s. 3d. Beardmore rallied 6d. to 28s. and Grayson, Rollo 3d. to 9s. 3d., although the only business yesterday. terday was at 9s. Wm. Cory dropped 2s. 3d. to 95s. and Lambert Brothers ls. 3d. to 78s. 1½d. Allied Ironfounders relapsed 2s. 3d. to 55s. 6d., Barrow Hematite 2s. 6d. to 28s. 10½d., Dorman, Long Preferred 1s. 3d. to 43s. 9d. and Shipley Collieries 1s. 3d. to 34s. 3d. Numerous other issues were 3d. to 9d. easier, the larger movement being shown in Pease & Partners to 16s., but Settle, Speakman gained 71d. 31s. 3d. and Thomas & Baldwins Preference 6d. to 28s. 6d.

Below will be found a table showing the highest and lowest prices recorded during 1945, together with a selection of the business arranged yesterday:

Lowes	t 1945		of Business	n
			55/9, 55/6, 55/712	n
1/10		Amalg Anthra- cite Ord	1/214, 1/3	0
9/3	6/3	Amalg Anthra- cite Pref	13/0, 14/0	b
61/3	50/7	Babek & Wilcox Ord	64/0, 64/3. 63/9	r
7/1	5/0	Baldwins (Hold- ings) Ord	5/0, 5/412	
6/3	20/1	Barrow Hema- tite Ord	28/9, 28/6	
26/9	21:6	Beardmore 52%	24/412	
30/0.	24/		28/712, 28/9, 28/6	
22/1	20/9	Brown (J) 1st Pref	22/6	
11/9	8/6	Cammell Laird Ord	12/6	(
51/0	45/0	Clarke, Chapman Ord	62 6 <sup>3</sup> 4	t
26/3	21/6	Colvilles Ord	24/0	I
27/6		Colvilles Pref	23/0	lî
10/0		Consett Iron Ord	8/514, 8/412	()
10434	101	Consett Iron	10212	0
5132	418	Cory (Wm) Ord	95/3, 94/9	(
29/3	22/6	Ord Long	23/6, 23/1012, 23/712	1
		Dorman, Long Pref Ord	42/6	8
81/10	03 61/3	Ord (Wm.)	90/0	1
8/9	5/0	Grayson Rollo& Clover Ord	9/0	
43/6	34/6	Guest Keen Ord	37/112, 36/6, 37/0	
34/0		Hadfields Ord	25/412, 25/6	1
23/1	2 15/4	Harlnd & Wolff Ord	27/3, 27/4 <sup>1</sup> 2, 27/0 27/2 <sup>1</sup> 4	ľ
22/0	17/1	Harlnd & Wolff	22/514, 22/412	:
66/0	55/3	Lambert Bros	76/6	1
4/0	2/10	Ocean Coal	4/3, 4/312, 4/2	1
22/6		Ocean Coal Prf	23/0	1
12/3		Pease & Partnrs Ord		1
24/4	19/9	Powell Duffryn Ord	23/712, 23/3, 23/6	1
23/10	19/9	Pref Duffryn	22/712, 22/3	1
7/634	5/6	Bichardsons.	9/112	1

7/634 5/6 Bichardsons, 9/112 Wstgrth Ord 54/6 40/3 Staveley Coal 46/3, 47/0, 46/9 Ord 58/9 46/3 Stewarts & 48/0, 47/9 Lloyds Defd 57/6 41/9 Swan, Hunter 61/0 Ord 13/7 10/3 Thomas(B.) and 10/9, 11/0
Baldwins
36/3 27/6 Thomas(B.) and 28/9
Baldwins Pf

Baldwins Pf
28/3 22/3 United Steel ... 22/9, 22/3
20/6 16/3 Vickers Ord ... 24/10<sup>1</sup>2, 24/6, 24/9
25/0 22/9 Vickers Prefce
23/16 27/3 Vickers Cum 33/9, 33/6
Prefce
23/12 22/3 Ward (Thos) 25/6
1st Pref
22/4 18/3 Williams (S.) 19/6
& Sons

#### WORK AT HOLBÆK YARD

The fishing cutter Harris, 80 tons, built at A. Nielsens Skibsværft, Holbæk, for the Faroe Islands, and allocated to Mr. J. P. Bjarnaberg, Vestmanhavn, has been completed. She is fitted with a 250-h.p. Alfa diesel engine, echo-sounder, wireless equipment and accommodation for a crew of 13 men. Work remaining in hand at the yard includes two 30-ton fishing cutters for the Faroe Islands, a 45-ton cutter for the Geodetic Institute for use at Greenland, and a 400-ton motor coaster for use at Greenland.

The collier C.B.B. 3, 3500 tons d.w., built at the Chantiers de la Loire, Nantes, for the French Merchant Marine Department, has been launched. Her propelling machinery, designed to give a speed of 101 knots, is of reciprocating type, developing

#### IRON AND STEEL

#### Fuel Situation Causing Anxiety

A Middlesbrough correspondent telegraphed yesterday regarding the Tees iron and steel market :-

The pressure for domestic supplies is intense and only very moderate parcels are released for shipment. Outputs have had to be cut and the supply of nearly all commodities falls considerably short of demand. The obstacles to restoration of the peak production of two months ago are formidable, and the fuel situation is causing increasing anxiety. Pig iron stocks are low, and consumers readily accept their full allocation. High-phosphorous qualities are being called for in larger quantities than are obtainable, and outputs of the medium and low grades are moving steadily into use. Basic iron production is absorbed by makers' own con-suming plants. The make of hematite s sufficient for home needs, and there no shortage of semi-finished and finished iron commodities.

Buyers of steel are calling persistently for bigger deliveries and are keen to make purchases. Demand for steel semis, and particularly for billets, is much in excess of supply, and makers of all classes of finished steel are overwhelmed with orders. Sheet manufacturers cannot entertain new business for delivery earlier than next year, and plate producers are fully sold for months ahead. Section makers have nuch work in hand, and plants turning out rails and railway requisites are ousily engaged. Colliery equipment is vell sold and in continued strong

#### NORWEGIAN COASTER DESIGN

#### Search for a Standard Type

The Norwegian Department of ommerce has invited Norwegian echnicians to take part in a competition for the design of a coastal liner of standard type; three prizes, of 3000k., 2400k. and 1800k., are offered. The general lines of the design have been fixed after a conference between representatives of 25 companies which maintain regular services along the Norwegian coast. The vessel must be about 150 ft. in length and about 28 ft. in breadth; it is proposed that the propelling machinery should consist of diesel engines, and electricity is to be generated for driving winches and windlass. The number of passengers to be carried should be between 150 and 450, and the cargo capacity 150 tons (10,000 cu. ft.). Some of the shipping companies expressed the opinion that the vessel should carry passengers of one class only, and that provision should be made for rooms to be reserved for parties, conferences and people who want to do office work during the voyage, on payment of an extra The mean speed should be about 12½ miles an hour between stopping places, using only 80 per cent. of the machinery power, with a margin for making up for delays. The vessel's stem should be suitable for navigation in ice, although an icebreaker bow is not proposed. Entries for the competition have to be submitted by Sept. 15 next.

built at the Chantiers Navals Gallinari Casablanca, and the first trawler built in Morocco since the war, has been launched. She is 16.56 metres in length, 4.88 metres in breadth and 1.9 metres in depth, her tonnage being 29 gross, 14 net. She is fitted with 75 h.p. Volund motor and will be able to remain at sea for eight days. Her fish-hold has a capacity of 15 tons.

The motor trawler Marocain II.

#### NON-FERROUS STEAM PIPES

#### **New British Standard Specification**

The British Standards Institution has published another addition to the series of standards prepared in the mechanical industry section relating to land boilers. It is similar and complementary to B.S. 806 (Ferrous Pipes and Piping Installations for and in connection with Land Boilers).

This new standard is B.S. 1306, Part 1 (Non-Ferrous Pipes and Piping Installations for and in connection with Land Boilers). Part 1 applies to the general and detailed construction of the copper pipework connecting a land steam boiler to engine turbine or industrial plant, and to all auxiliary pipework in connection therewith, together with individual pipes and fittings forming parts of such installations. It lays down limits of pressure and temperature for the use of copper piping installations and bronze castings used in connection with such installations.

B.S. 1306 will be completed at an

early date by the issue of Part 2 (Seamless Copper Tubes with Plain and Screwed Ends for Steam Services). Copies of this British Standard are obtainable from the Publications Department of the British Standards Institu-tion, 28, Victoria Street, London, S.W. 1, price 2s., post free.

The keel of a cargo vessel of 700 tons d.w., to be built for Strands Transport, Oslo, has been laid at the Laksevaag yard of Bergens mek. Verksteder.



# New discovery ends all insect pests. SUPER

THE MIRACLE INSECT PEST DESTROYER Once insects have touched Super SECTO D.D.T .- they have to die. Steam flies, beetles, cockroaches, flies, bugs, fleas, lice, moths, grubs and for

TRADE PRICES.

general infestation.

Dusting Powder: 2 lb. tine, 4/-; 7 lb. tine, 13/-Dusting Powder: 2 lb. tins, 4/-; 7 lb. tins, 13/-.
All Purpose Powder: 2 lb. tins, 5/- each; 7 lb.
tins, 17/- each.
Liquid ready for Use: 1 gal., 12/-; 5 gal., 45/-.
Wall Wash Powder: (Mix with water paints)
Bulk, 7/6 lb.
Remittance with order and plus postage or usual
reference.

THE SECTO CO., Mfg. Chemists BLACKBURN



### **DESIGNER of SHIPS**

W. Soland, N. arch. Kilchbergstr. 29

**ZURICH 2 Switzerland** 

# BEN. WRIGHT & CO., LTD.

MARINE CONTRACTORS

Boiler Scalers, Boiler Coverers, Steam Pipe Coverers, Ships' Painters and Decorators, Ships' Cementers and Tilers. Vessels Fumigated throughout to Port Sanitary Authority's requirements.

## 20, DOCK STREET, MIDDLESBROUGH

Telephones: Office-3757 Middlesbrough. Managing Director-170 Saltburn.

Telegrams "Scaling Middlesbrough.

SOZOL(1924) LTD., 2, Copthalf Buildings, London.

Patent Self-levelling LADDERS SHORE GANGWAYS

GANGWAY CO.,

WALLSEND-ON-TYNE

ACCOMMODATION

ANCHORS AND CHAINS



ASH HOISTS ATMOSPHERIC SILENT ASH HOISTS BLUNDELLS & T. ALBERT CROMPTON & CO

BEARINGS



INFRANGA DIESEL THE ATLAS METAL & ALLOYS CO. LTD

110 Cannon St., E.C.4 Tel.: Mansion Hse. 2931 BEDDING

Spring Interior-Bedding, Divans, Overlays, Bedstead Fittings,

Spiral Spring Mattresses, Steel Folding Beds, French Castors

VONO LTD.,

Dudley Port (Staffs), London, Oldham & Glasgow

BELTINGS

SLEEP

R.E.J

EQUIPMENT

## ESTABLISHED 1881 **CONNOP BROTHERS**

ADMIRALTY

radley Heat

CABLES & ANCHORS CRANE AND RIGGING CHAINS. SHACKLES, SWIVELS, &c. Sole Makers of Rifle Brand CRADLEY HEATH

**ANCHORS** CHAIN CABLES RIGGING & CRANE CHAINS

SHIPPING TACKLE SHACKLES

BARZILLAI HINGLEY & SONS LION CHAIN WORKS :: CRADLEY HEATH



BERTHS SHIPS' BERTHS & FITTINGS of every descript: WOOD FURNITURE STEEL LOCKERS HOSKINS & SON, LTD., Upper Trinity St., BIRMINGHAM, 9 BITUMINOUS PRODUCTS

BLOCKS

ARMSTRONG & BANKS

SANDGATE, QUAYSIDE.

**NEWCASTLE-UPON-TYNE 1** 

Established 1809

**JOHN BARNSLEY & SONS** 

NETHERTON, DUDLEY, WORCS.

LIFTING TACKLE

HAND OPERATED CHAIN BLOCKS

MANILLA AND WIRE ROPE BLOCKS

REPAIRS AND RE-TESTING

RICHARD SMITH

LIMITED

Manufacturers of

**WOOD PULLEY** 

**BLOCKS** for Ships

Phone: Newcastle 21941 Grams: "Banks, Sandgate, Newcastle-on-Tyne"

GLASGOW S.E.

BELTING & VEE ROPES

G. HUNTER (LONDON) LTD. E. 14

TELEPHONE: EAST 1602 TELEPHONE: CRADLEY HEATH 6110 CHAINS, CABLES

KENDRICK & MOLE 114 THEGRAMS: CORNGREAVE, CRADLEY HEATH



RICHARD SYKES & SON CRADLEY HEATH, Staffs. ANCHOR & CHAIN to the Admiralty Sole Makers of the

23/31, POPLAR HIGH ST, LONDON, E.IA.

HENRY WOOD & CO LTD SALTNEY, NR. CHESTER ADMIRALTY CONTRACTORS

ANCHORS & Telegrama: Wood Saltney ANCHORS & CABLES CHAINS & LIFTING GEAR Annealed & Tested

n accordance with

Factories Act, 1937

SHACKLES SWIVELS etc Send your enquiries to CHARLES BUTTERFIELD 35 ROMFORD ROAD, LONDON, E.IS G.HUNTER (LONDON) LTD. E.14

Jur BLOCKS

Blooms Lack frivels TELEPHONE: EAST 1602

# Motor Ships & Engines

OIL ENGINES FOR TANKERS

Important Developments

By Our Special Correspondent In spite of developments in the ise of geared turbines and turboelectric propulsion for tank ships, there still remains a considerable body of opinion which feels that the oil engine is the most satisfactory and economical method of propul sion. This is particularly true of the types of vessels which are required to carry out long voyages and whose radius of operation is governed to a great extent by the amount of space within the hull which it is necessary to reserve for bunkers.

One of the arguments which used to be advanced in favour of the geared turbine and watertube boiler, and against the oil engine, was the fact that boiler oil was cheaper than diesel oil, and that in any case a coarser grade of fuel could be employed with the steam engine than with the oil engine. In view of this, the Anglo-Saxon Petroleum Company's tanker Auricula (8200 tons gross), now fitting out at the yard of R. & W. Hawthorn, Leslie & Co., Ltd., is interesting. She has apparently a modified type of oil engine, which, if her sea going experience proves successful will use fuel oil of a type now considered only suitable for boilers.

Possible Developments

If this proves to be the success which the owners anticipate, according to the chairman of Shell Transport & Trading Company, Ltd., the developments "should be momentous and should result in a considerable decrease in the operating costs of all ships powered by diesel units." When it is considered that the average oil engine still uses about 0.2 lb. of oil per h.p. per hour ess than the best steam plant with high pressure and high superheat, and when this is translated into terms of the latter's fuel being used by the former, it can readily be appreciated that Lord Bearsted's statement is no idle one.

Details of the new engine have not been announced, and it is interesting to speculate as to what they may be. In the main, they are probably concerned with a new form of fuel injection, which will naturally be of airless type. Unless there is a big change in the fundamental technical policy of the Shell group, it is more than likely that the engine is a fourcycle unit.

More than any other shipowning company, the Shell group has remained faithful to 4-cycle, singleacting airless injection of basic Werkspoor design, using the supercharge system, which development of that first nstalled in the engines of the tanker Megara in 1929. In this vessel, it will be recalled, the underside of ach main engine piston is used as an air compressor. The bottom of the cylinder is closed and provided with a packing gland round the piston rod, and suction and discharge valves are in a casting on the side of the cylinder. Each piston makes an air delivery stroke once in every revolution and a firing stroke once in every two revolutions, so there is a 2 to 1 ratio of air compressor volume to working stroke volume, and this provides ample pressure. The pressure is determined by the clearance volume under the piston.

It is also considered that this particular system of supercharging has many advantages from the point of Each describes briefly the main view of compactness. When we take features and practices of a particular into consideration the fact that the engines evolved in recent years for the Shell Company group have also a device whereby the principal ing, and the machinery for the regulaauxiliaries are driven by the main tion of wages, hours and conditions of engine itself and the exhaust gases employment. generated supply the steam required for all the machines needed pages, is devoted to the shipbuilding at sea, it is clear that such ships industry. The matter is set out in nine are economical to work under ordinary circumstances. If, therefore, boiler oil can be employed in struction, occupies the greater part of the place of ordinary diesel oil, we the pamphlet, and summarises the sucmay see a 12,000-ton tanker driven cessive stages of naval architecture. at a speed of 111 knots when fully with particular mention of the work loaded, on a possible fuel consumption of between five and eight tons of oil per day for all purposes. This figure is purely hazarding a guess, but it does not seem an unreasonable

The Shell Company has seldom used electricity to any extent for auxiliary purposes in its tankers, contrast to many of the charter from 20 bhp. to 100 bhp.

tankers, built in Sweden and owned in Norway, where the auxiliary electrical load is high. Paradoxically enough, electricity is employed for working the pumps in tankers to a greater extent in the United States, where steam is used for the propulsion of the ship, than in Europe.

Another New Design

The Shell Company, however, is even going a stage further in its experimental work than building an engine to use boiler oil. There is another ship under construction, also at Hebburn, which will be propelled by diesel-electric machinery of a new design. She will be the first ship built in Great Britain to have diesel engines coupled to alter nators. These, too, are four-cycle units of continuously supercharged type, and one of the four engines is, according to published account, to be used as a kind of "guinea pig" for the employment of different kinds of fuel. All this is sound engineering, and who are better able to afford it than the big oil companies? At any rate, the experience they gain will ultimately be for the benefit of the shipping community as a whole.

Another point of technical interst deserves reiteration, that is, the continuous support which the Shell organisation has given to the 4-cycle engine. Many people consider that this important cycle of operation has been "done to death far too early in its career, and that it still has a great deal to offer, if only by a certain inherent simplicity of operation. It is true to say that the 4-cycle engine has mainly died in the larger sizes, those above 1000 s.h.p.; below these powers it is very active, as is being proved in the coaster and trawler field.

The adaptation of continuous supercharge by one or another means has really given the 4-cycle engine a new lease of life.

The use of a fuel system with air less injection, which can use boiler oil, or even inferior fuel, may well establish the machinery under discussion as an important prime mover for the future. The 4-cycle engine cannot claim to be a pioneer in this connection, however. As long ago as 1925 a Doxford opposed piston 2-cycle engine, developing 1850 b.h.p. at 85 r.p.m., was fitted in a ship which made several voyages across the Atlantic with success on heavy Mexican fuel oil of 0.96 specific gravity. All this is a clear indication that the last word has not been said in connection with the diesel engine, and that in spite of the progress being made by modern steam plants with geared turbines and watertube boilers, from now on these will meet with keen competition.

#### INDUSTRIAL INFORMATION

#### Series of Leaflets Compiled by Ministry of Labour

A series of leaflets compiled by the Ministry of Labour and National Service, in consultation with the appropriate employers' and workers' organisations and interested Government Departments, has been prepared for the guidance of education officers in the Services, many of whom have not had the opportunity of observing industry at first hand. The leaflets, which are known as the "Industrial Information Series." are also being issued to officers in the Ministry of Labour Employment Exchanges and Juvenile Employment Bureaux. They aim at providing a background of industrial knowledge rather than specialised or technical instruction. industry, including the scope and location, the sequence of operations and occupations of the workers concerned. the methods of recruitment and train-

No. 2 of the series, a leaflet of nine main sections, in language readily comprehensible to the layman. The second of these, dealing with ship concontributed by the trades and crafts involved. Shorter sections are concerned with ship-repairs, boat building, wages, hours and conditions in the industry, recruitment, training. prospects and professions.

The Associated British Oil Engines, Ltd., 32, Duke Street, St. James' except for lighting and the bare they can deliver on orders placed now London, S.W. 1. have announced that necessities of operation. This is in diesel marine and industrial engines

LLOYD'S LIST Wednesday, July 31, 1946

Suppliers to Shipbuilders and Marine Engineers BOILER CIRCULATORS DECK COVERINGS

S.E. 15

ALL TYPES OF DECK COVERINGS

> **MAGNESITE** RUBBER & RUBOLEUM

J. G. ROBERTSON & SONS. LTD. 1090 SOUTH STREET, GLASGOW, W.4

STEEL MESH

MIDDLESBROUGH REFRIGERATED CHAMBERS, Etc. Phone: 3776 'Grams: "Brass' Middlesbrong.

BOILER AND PIPE COVERINGS

CO., LTD.

THE "HOTCHKISS

1, Glengall

Phone: Bermondsey 1377/8

AUTOMATIC CIRCULATOR

FOR ALL TYPES OF BOILERS
Sole Manufacturers:
ARTHUR ROSS, HOTCHKISS & CO., LTD

(ARH)

BOILER MOUNTINGS

JAMES BROWN & SONS

ENGINEERS, COPPERSMITHS

AND BRASSFOUNDERS

Makers of Boiler Mountings to Lloyd's and British Corporation requirements.

BULKHEAD & UNDERDECK INSULATIONS REFRIGERATION & STEAM PIPE LAGGING REFRIGERATION CHAMBERS

Specialists for

247, Creek Road, Greenwich, S.E. 10 Tel. No.: Greenwich 2668/9

BOILER SCALING Phone: ROYal 2916 After office hours, East 2263

SCALING & RIGGING CO. All kinds of BOILERS, TANKS and HOLDS CLEANED and SCALED

RIGGERS & SHORE GANGS, DONKEYMEN AND WATCHMEN SUPPLIED 4, Fenchurch Bldgs., London, E.C.3

BOILER TREATMENT



For Boiler Water Treatment and Chemical Descaling. Quick service Clensol Ltd., 169, Piccadilly, W.1. Telephone: Regent 4521.

The Colloidal Treatment

INTERNAL SCALE & CORROSION THE BRITISH BOILER CLEANING AND ENAMELLING CO. 16/20, Well Street GLASGOW, S.E. Tel.: Bridgeton 1357/8

for the prevention

BRASSWORK

Brassfinishers & Engineers
HOSE COUPLINGS OF ALL TYPES
for PETROL, OIL, WATER and STEAM



FIRE EQUIPMENT MANUFACTURERS STANMORE HILL WORKS.

STANMORE. Mddx.

CHAIN TESTERS

LIFTING Chains, Blocks, Shackles, Hooks, Swivels, Carlifters

LIANGES descriptions REPAIRS

W. BADGER (Estab. 1848) (R. J. Ridgwell) 48, East Smithfield, London Dock, E.1

COMPASS NEEDLES



CONDENSER FERRULES



T. B. BILTON AND SONS LTD.

Special delivery arrange-ments made for repair work. Prompt attention given to all enquiries and orders.

BELL STREET, NORTH SHIELDS Tel. No. North Shields 206

DAVITS

MECHANICAL DAVITS FOR RAPID & SAFE HANDLING OF LIFEBOATS he Optimum Davit Co Ltd

WALLBEND ON TVAL

for LIFEBOATS



STUART TURNER LTD.

ENGRAVING

ROBERT BROWN & Cº 12 ESPEDAIR STREET PAISLEY

CAST AND ENGRAVED NAMEPLATES

NAMEPLATES

ON ADMIRALTY LIST RENNIE & CO. LTD. McGOWN STREET PAISLEY SCOTLAND
Tel.: Painley 2559

MAKERS OF NAMEPLATES OF ALL KINDS FOR ALL TRADES CAST AND ENGRAVED

LATEX RUBBER

Page 11

LIMITED Well Lane, Allison Street, BIRMINGHAM S

AND MASTIC ASPHALT Midland 3821 THE PERFECT HEAVY DUTY COVERING for DECKS, HOLDS,

DIVING EQUIPMENT

UNDER-WATER CUTTERS SPECIALISTS

> IN ALL MATTERS PERTAINING TO DIVING

Grams: "Weldivers, Phone: 26 27, ST. JAMES' STREET, S.W.

ELECTRIC CLOCKS

TIME Zone and Navigating. SHIPS fitted with British CHRONOMETER ENSURES simple robust and guaranteed time throughout ship.

Absence of Repairs and Renewals.

THOMAS MERCER, Ltd. The ALBANS

ELECTRICAL EQUIPMENT

REWINDS A.C. and D.C. 1-500 h.p. Manufacturers of Armature and

Stator Coils, Commutators, Etc. **OLDFIELD** 

ENGINEERING CO., LTD. 96, EAST ORDSALL LANE, SALFORD 5 ELECTRICAL SWITCHGEAR

ADAMSON FELLING-ON-TYNE

MANUFACTURERS OF ALL TYPES OF MARINE SWITCHBOARDS TO ADMIRALTY AND LLOYD'S REQUIREMENTS SPECIAL ATTENTION GIVEN TO QUALITY AND FINISH OF SWITCHES

ELECTRODES INVICTA ELECTRODES Ltd

SHIPBUILDING AND WORK OF PRIMARY STRUCTURAL IMPORTANCE NEGEN WAY

APPROVED ELECTRODES BILSTON LANE, WILLENHALL, STAFFS.



ENGINES



ENGRAVING

EDWARD H. THEW, LTD.

GENERAL ENGRAVERS

10. DEAN ST. NEWCASTLE-ON-TYNE

Tel: 20221

Grams: Engraves Newcastle-on-Tyne

Specialists in Engineering and Shipyard Engraving Ivorine Model Plates, Cabin Plates, Berth Numbers, Etc.

Name Plates,

Scales, Dials,

Rules. Dies.

Brass Moulds,

Stencil Plates

PRESSED

ENGRAVED PLATES

of all types and in all languages

On Admiralty List

ER VELDE LTD

ENGRAVERS and

LETTER CUTTERS

Repetition Work a Speciality

60, PILGRIM STREET,

NEWCASTLE-ON-TYNE

STEEL

Suppliers to Shipbuilders and Marine Engineers

Established 1858

Suppliers to Shipbuilders and Marine Engineers

Regd. Mark Mark CORK

INSULATION

Manufactured only by
HENRY BUCKNALL & SONS, LTD., 136-8, Minories, London, E.C. 3

Telephones: Royal 7166-7

LIFEBOATS, RAFTS

RIGGING, &c. 'Phone: CARGO GEAR Central 36622 TESTING

CHAS. PEARSON (Hull), LTD. New Creek Works, Wellington Street, HULL

CO., LTD. 14, West Smithfield, London, E.C.1

GRANULATED

SLAB

LEONARD DUTTON & SONS 110/112 Hackney Road, LONDON, E.2. 'Phone—Bishopsyate 4467 (2 lines)

SELL & GLOUS TON, SHIELDS SOUTH SHIELDS Manufacturers of

LIFEBOATS, SHIPS' FURNITURE ICE CHESTS, LADDERS APPROVED TO LATEST M.O.W.T.
REQUIREMENTS Telephone: South Shields 1968

ON ADMIRALTY LIST

MOTOR LIFEBOATS LIFE RAFTS · LADDERS SHIPS BLOCKS & ASH OARS

ROBSONS, BOATBUILDERS, LTD SOUTH SHIELDS
Phones-325 & 729. 'Grams-Robsons S. Shields

Boatbuilders

Telephone 185

Telephone Nos.—Office: Sunderland 2363 After hours: 3914

THE WEARSIDE

**BOATBUILDING CO. LTD.** 

SUNDERLAND

Lifeboats, Launches, Rafts and

Ships' Ladders



Established 1893. (INSULATORS) JAMES WALKER

Specialists in Heat & Cold Insulations Kaldite Super" Asbestos Composition for Superheat and High Temperatures. Kaldite" Hard Setting Composition for Moderate Temperatures.

61-65, Kingston St., GLASGOW, C.5

JOINTINGS

(Compressed Asbestos Fibre)

Suitable for temperatures up to 750°F, and steam pressure of 250 lbs. ACID AND OIL PROOF Joints in any shape can be supplied

GEORGE ANGUS & CO., LTD., NEWCASTLE UPON TYNE tranches: London, Mindlester, Cavdill & Glasgow

LIFEBOATS

**CARSE & HOLMES** 

Boat Builders

HILL'S CONSTRUCTION CO.

SOUTH SHIELDS-ON-TYNE

Ship Repairers

TELEPHONE: SOUTH 1380

R. D. LAMBIE, WALLSEND-ON-TYNE

LIFEBOATS

AD MIRALTY

Angustle

STEAM JOINTING

Telephones: South 0152; Western 2644 (after hours)
Telegrams: Asbestos Glasgow.

LIFESAVING APPARATUS

CARLEY FLOATS

CHARLES BUTTERFIELD LTD.

BAILEY'S

ON ADMIRALTY LIST Approved by the Ministry of Shippins.
A 20 person 'FLOTANET' weighs 200 lbs.
Deck stowing space - 1 ouble yard.

D. G. HALL & CO., LTD.

NEWPORT, MON., GREAT BRITAIN
Tol.: 71226 (5 lines) Grams: "Wagons"

DISTRESS

REGULATION DISTRESS ROCKETS RED LIGHTS BLUE LIGHTS SIGNAL CARTRIDGES
LIFEBUOY LIGHTS

THOMAS HAMMOND & CO.
GRAIGMILLAR, EDINBURGH, 9
Telegrams: "Hammond Edinburgh 75944"
Telegrams: Edinburgh 75944"

STEEDMAN & MEALISTER

CORK & KAPOK LIFEJACKETS (

LIFEBUOYS. FLOATS, ETC

Est. 1854 HALLEY STREET YOKER GLASGOW.w-3.

TEL ADDRESS STEEDMAN, GLASGOW.

PHONE CLYDEBANK 1101-2.

Walker's VIKING Log Connector This instrument

Navigating Officer
TO READ THE LOG ON THE

SUITABLE FOR SHIPS OF 400 FEET OR MORE IN LENGTH, WITH OPEN DECKS

LUBRICATION

BRIDGE

" HEDGEHOG EDGEHOG FOR SOLIDIFIED OIL BEARINGS TUNNEL BEARINGS

W.B. HARRISON 6, BRIDGE ST., SUNDERLAND

Tel. No. 222/3 Grams: Harrison, S'lan Agencies in Loudon, Glasgow, Hull, Curdiff, Liverpool, Southampton

ELECTRICITY AND THE SHIP

# BTH Co.'s Installation in Shetland Flying Boat

BY OUR SPECIAL CORRESPONDENT

It has been the custom for many | boxed power idea put forward so

FURNACE BRIDGE 200 BRIDGES ON ORDER RANKIN & BLACKMORE LTD. HATCH COVERS G. FLEMING & SON, Ltd.

REDUCES FUEL COSTS ON

COASTAL STEAMERS

THE TURBINE FURNACE CO., LTD. 2346, GRAYS INN ROAD, LONDON, W.C.

FURNACE BRIDGES

SAILMAKERS, CANVAS MERCHANTS

TARPAULINS AWNINGS BOATCOVERS WINDSAILS RIGGERS Phone No. 317 On Admiralty List

North Shields

Northumberland

Phone: South Shields 289

Grams: "Hatches"

JAMES HENDERSON & SON

TYNE DOCK

STEEL

HATCH COVERS

For Economy

STEEL HATCHES, LTD.

156, ST. VINCENT ST. CLASCOW

Also Precision Draught Gauges

and Pressure Gauges of all types

Uplands 6888

INSTRUMENTS

Specify

FOR ALL COOLING WATER &

LUBRICATING OIL SYSTEMS

MONITOR" PATENT SAFETY DEVICES Ltd. Wallsend-on-Tyne

ELECTRICAL

AMMETERS - VOLTMETERS

MICRO AMPS - MILLI VOLTS

WATERTIGHT and COMMERCIAL

VICTORIA INSTRUMENT CO., LTD.

Midland Terrace, Victoria Rd., LONDON N.W. 10

INSULATING PAINTS

THE ORIGINAL "ANTI-SULPHURIC"

GRIFFITHS BROS. & CO. LONDON LD.

Macks Road, Bermondsey, S.E.16

INSULATION

INSULATING

VARNISHES

ENAMEL

FOR PROTECTION FROM ACIDS

FOR TROUBLE-FREE INSULATION

GRIFFITHS

BRAND

Hydrostatic Contents

GAUGES

PURLEY WAY, CROYDON

Mfg. Co. Ltd.

Dolly Lane

ams: "Structural Leeds"

Phone: FELTS

BRITISH APPLIANCES

EXPANSION JOINTS

ROSSENDALE ARE DEPENDABLE AND UNRIVALLED FOR QUALITY. ROSSENDALE HAIR FELT COLTO

RAWTENSTALL, LANCS.
Tel: Rossendale 102 Tel. Add. "HAIRFELT"

FIRE APPLIANCES

L. & G. FIRE APPLIANCE CO. LTD. Fire Extinguishers of all types supplied tested and repaired. Manufacturers of "L. & G." refills for all makes of fire extinguishers, hose, etc.

Maintenance Contracts to B.O.T. Requirements Works: GRAHAM ROAD, LONDON, E. 13 'Phone: GRAngewood 3311 And at Liverpool and Glasgow

FIREBARS

#### COLLINS IMPROVED FIREBARS Led.

MARINE and all BOILERS • DURABILITY • EFFICIENCY 51, THE MALL, EALING, W.5.

Phone: EALing 4070



SHIPBUILDING TIMBER & PLYWOOD FIREPROOFED

To Admiralty and Board of Trade Specifications by the "CRAYPROOF" Process CRAYFORD FIREPROOFING CO., LTD. CREEK WHARF, CRAYFORD, KENT.
Phone: Bexley Heath 862 Tels.: Crayproof, Crayford



FITTINGS

MARSHALL &CO NORTH SHIELDS, England MORTH SHIELDS, England
Spar Ceiling and Hatch Cleats, Bollards
for Davits, Stanchions, Eyepiates, Rigging
Screws, Boits, Mushroom and Torpedo
Ventilators, Drop Forsings and Stampling
and Forsings of all descriptions, Lifeboat
Ironwork and all kinds of Sundry Fittings
Tot Deck and Engine Room.
Tetephone - N.S. 386 (all hours)

A. J. WARES, LTD. WHOLESALE SHIPPING IRONMONGERS

Specialising in Prompt Delivery of SANITARY FITTINGS, PLUMBING REQUIREMENTS, HARDWARE. REQUIREMENTS,

Telephone: 238 three main lines. Telegrams: "Wares, South Shields" FUEL INJECTION PUMPS & PARTS

We make Fuel Injection Pumps and Parts for some of the best known

shipping lines. Wilson & Kyle Catherine Wheel Rd., Brentford, Mx.

'Phone: Ealing 6061 (3 lines)

# ROPAL for Cold Insulation

Tropal has high thermal efficiency with considerable saving in weight. Refrigeration Engineers should read our Technical Brochure, sent post free.

AIRPAK LTD. 76 GROSVENOR ST., LONDON, W.I

ALFOL (ALL METAL) INSULATION For DECKS, CASINGS,

COLD & COOL ROOMS, &c. ALFOL INSULATION LTD. WINDSOR HOUSE, VICTORIA ST., LONDON, S.W.1

Mechanical Engineers some time in ships of all kinds. Interesting ago. The idea was then, in general, comparisons are drawn between the scoffed at, but was adopted as a power requirements of a small practical method of testing engines during the war by Davey, Paxman village and those of a small ship. & Co., Ltd., in their Britannia No one has yet thought of com-Works at Colchester. Now we find paring the requirements of a ship it used out of sheer necessity in this with those of a large aircraft nor, (power for power) quite considerindeed, has the way in which the able electrical plant in an aircraft. latter's electrical load is handled often been discussed for the benefit auxiliary load is but a small fracof marine electricians. It is pertion of the main propelling output, it must be remembered at the same tinent, therefore, at a time when time that aircraft engines have electricity has virtually superseded hitherto always been responsible for steam in all but a few special types of ships, to examine the electrical collective auxiliary requirements, installations of a Shetland flying mainly owing to lack of space and boat. This particular aircraft has the need for saving weight. To been equipped by the British divorce, therefore, even a small Thomson-Houston Company, Ltd. portion of the total parasite load who, at the other end of the scale, have provided the propulsion for some of the largest passenger liners in the world.

years to point to the increased use

of electricity which is taking place

As a point of interest, the Shetland flying boat has a length of 110 ft., a beam of 12 ft. 6 in., and a The Electrical System wing span of 150 ft. 4 in. Her four 18-cylinder sleeve valve engines develop a total power which would designed service speed.

There are several vital points in connection with this aerial equipment, and the first is that threephase alternating current is used for the supply of the main electrical accessories — the Shetland flying boat being the first British aircraft to use A.C. It is noteworthy that alternating current is being introduced into the aircraft field at much the same time as it is making its debut in a big way in marine engineering for auxiliary purposes.

The reasons given for the change from D.C. to A.C. in the aircraft distant and continuous reading are the increase in electrical power necessitating requirements, change from the 24 volt D.C. supply K.D.G. INSTRUMENTS Ltd generally used in the past, so that the weight of the cables and electrical apparatus can be kept down to a minimum. Three-phase A.C. is used because it enables full advantage to be taken of the simplicity and ruggedness of squirrel cage weight was also obtained by

> aircraft. Each unit comprises a 6-cylinder, air-cooled, horizontal, opposed piston, sleeve valve engine, rated 60 h.p., when flying at 12,000 ft., and direct coupled to a 24 K.V.A. 0.8 power factor, threephase, 250 cycle, 110 volt alternator, running at 3750 r.p.m., and geared up to a combined D.C. generator and exciter running at 4600 r.p.m. The exciter which supplies the alternator field is rated 0.75 kw., and the generator at 3 kw. 29 volts D.C. Speed is kept constant by means of a centrifugal governor.

There is in this aircraft equipment, incidentally, much that could engaged on ship repair and conversion be learned from a space and weight work. It has recently been occupied point of view for marine application. There are ships in which the employment of horizontal high-speed petrol engines might well be acceptable.

Each engine, with alternator and a flameproof and soundproof box with large inlet and outlet cooling air from outside the aircraft to a centrifugal fan at the rear of the unit. After being forced through the alternator, generator, engine cooling pins, &c., the air is discharged by the outlet duct to the

world In the first place, it is the firms in the Clyde district.

The electrical system in the flying boat is actually divided into two parts, one being the three-phase be acceptable to many a large cargo 250 cycle, 110 volt A.C., and the liner, and might well increase her other a 24/29 volt D.C. earthed return. One generator set is sufficient for supplying the whole of the load, thus giving 100 per cent. standby. The control is interlocked so that only one generator can be directly connected to the distribution system at the same time; means are provided for automatically or manually changing over from one generator set to the other.

ingeniously by Mr. Ricardo in his

address to the Institution of

While in this case the total

the whole of their individual and

and bring it under separate control

is not only an acknowledgment of

its importance but an admission of

the reliability of separate prime

movers to drive the generator.

The output from each alternator is connected to its respective contactor panel and then commonly connected to two main three-phase distribution boxes. From these a number of three-phase feeder circuits radiate to sub-distribution boxes fixed at the most suitable load centres to feed the individual circuits. This is practically a duplication in miniature of marine practice, with its main switchboard, sub-boards. &c.

The D.C. distribution is similar to the A.C., the output from each generator being connected to its own contactor panel and then commonly connected to two main motors. An appreciable saving in D.C. distribution boxes, these are also connected through a master

sent activities of a new ship-repair and building yard which has been established at Gothenburg are given in the "Göteborgs Handels och Sjöfarts Tidning." The business was started three years ago, and now, under the name Göteborgs Mekaniska Verkstad, it employs nearly 300 men. It is situated at Lundby, on the north side of the Göta River, and has mainly been in converting Sweden's oldest passenger steamer the Nya Upsala, built 1855, into a motor tanker for account of the Rederi-a.b. Stjernan. The vessel, which will carry 225 tons d.w., is being fitted with a crude-oil motor of 850 h.p in place of her steam engine. A buildgenerator, is resiliently mounted in ing berth for vessels of about 500 tons is being constructed, and a floating dock of 400 tons lifting capacity, to has been bought in Britain. A quay 225 metres in length is being provided.

# Tel: 1290 Grams: "Acme South Shields" **GAVIN S. KEILLER** 70/78, KINGSTON ST., GLASGOW, C.5 Boatbuilders ||| Carpenters and Joiners

which has a parallel in the marine by patternmakers in the employ of five

#### PATTERNMAKERS' WAGES CLAIM DISALLOWED The National Arbitration Tribunal disallowing claims for an inclusive wage







tudinal system of framing, she has two

longitudinal bulkheads. The cargo

ing 270 tons an hour. The oil fuel for

the engines will be stored in a cross-

bunker, in the double bottom in the

Accommodation for master and

officers is amidships and aft for petty

officers and crew. A comfortable

crew. The vessel is fitted throughout

"Eucadia"

The passenger/cargo motorship

Eucadia, built by Barclay, Curle &

Co., Ltd., Whiteinch, for the Anchor

electric winches, an additional 30-ton

derrick being fitted at No. 3 hatch.

Accommodation for officers and engi-

neers is sited amidships. Accommoda-

tion is provided on the promenade

deck for 12 passengers in single-berth

rooms, a lounge being situated at the

diameter with a combined stroke of

at 116 r.p.m. Current for the auxiliaries is supplied at 220 volts by three

Empire Maldon"

The motor tanker Empire Maldon

and louvres.

Ltd., Glasgow, has been

& BREEDEN,

Ships' Electric Light Fittings

Suppliers to Shipbuilders and Marine Engineers RIVETS SHIPS' LAMPS

#### PLAYER MITCHELL BOLT & NUT GO. LTD. NEWTOWN ROW, BIRMINGHAM 6,

WORKS:

LLOYD'S LIST

74, YORK ST., GLASGOW, C.2

# SCHERMULY

other similar devices: Pistol Rocket Line Throwers, Yacht and Beach Rescue Sets, Parachute Distress Signals.

SCHERMULY PISTOL ROCKET APPARATUS LTD. SPRA WORKS · NEW DIGATE SURREY Sales Office: 51 Coleman Street, London, E.C.2

ROPES



ROPE ECONOMY Manila and Sisal Fibres are in short s

## CEFLEX WATERPROOFED

HAWKINS & TIPSON, LIMITED Marlow House, Lloyds Avenue, London, E.C. & Phone—Royal 6044 Grams—Tipson, London

WRIGHTS' ROPES LTD. BIRMINGHAM

(STEEL & HEMP) For all Marine Purposes

Stocks at all Principal Ports London, Liverpool, Cardiff, Glasgow, &c.

SAILMAKERS

LIFEBOATSAILS&HOODS SEA ANCHORS TARPAULINS & AWNINGS CANVAS WORK OF EVERY DESCRIPTION

GREENOCK SAIL & TENT CO.

3. Highland Close, GREENOCK
Phone: Greenock 1223 Grams: "Sails Greenock
ON ADMIRALTY LIST

EVERY TYPE OF Ships' Canvas Equipment

HENRY JORDAN & SON (Established 1817)

17, Salthouse Lane, HULL Contractors to the Admiralty and Principal Shipping Lines Telephone: 36379 Telegrams: "Sails

ON ADMIRALTY LIST

FRANK V. KNIGHT & CO., LTD.

SAILMAKERS, RIGGERS AND CANVAS MERCHANTS

Tarpaulins, Awnings, Boat Covers, Windsails

145, BUTE STREET, CARDIFF Telephones-Cardiff 569 and 4414 Telegrams-Hawsers Cardiff

SEPARATORS

## COASTGUARD SEPARATORS

COMPLETELY AUTOMATIC OILY WATER SEPARATORS EFFICIENCY GUARANTEED COASTGUARD SEPARATORS, LTD Registered Office: 4, Station Road, BENTON, Newcastle-on-Tyne

SHACKLES

H. HUMPHRIES FOR

PLANT ST., OLD HILL, STAFFS.

T.B.WELLINGS&CO.

MANUFACTURERS OF SHACKLES & DROP FORGINGS

Contractors to: H.M. WAR OFFICE ADMIRALTY, &c.

THOS. NOAKES & SONS (ENGINEERS) LTD.

TECALEMIT

STREE OIL FEEDERS

K" Brand

JOSEPH KAYE & SONS, LTD.

LOCK WORKS, LEEDS 10

STEEL

Ask for complete Catalogue

HYDRAULIC & MECHANICAL DESIGNING & MANUFACTURING ENGINEERS

HIGH AND LOW PRESSURE LUBRICATING EQUIPMENT FOR ALL CLASSES OF MACHINERY

ON SEA AND LAND AND IN THE AIR. TECALEMIT

GREAT WEST ROAD,
BRENTFORD, MIDDLESEX
Phone: Ealing 6661 (16 lines)

MACHINERY



MARINE GLUES KAUXEME

The most efficient Marine Glue in the World

ROBERT BOWRAN & CO., LTD. PELAW, GATESHEAD, 10

METAL SPRAYING



NAUTICAL INSTRUMENTS

Accuracy and Reliability

COMPASS CARDS SOUNDING TUBES

JAMES KEAN Trade only Supplied GLASGOW, C.2

MEN WHO KNOW UNIT SPECIFY Ω DRY COMPASSES IMPERTURBABLE

JOHN LILLEY & CILLIE, Ltd., North Shields

ATMOSPHERIC TYPE SEA SOUNDING INSTRUMENT 'Phone': Gladstone 3716 SIMPLE EFFICIENT ECONOMICAL 721, North Circular Road.

OARS JOHN H. MAYNARD

> PACKINGS UNIVERSAL

Made expressly for pumps with rotational shaft of all speeds — will ensure cool running and will not score the shaft JOHN ALLAN & SONS, LTD. 79-83, Sword St., GLASGOW, E.1
Telephone Established Telegrams:
"Jonaln" Glasgow



ANDREW STRANG & Co. Ltd. BLAIR FOUNDRY, HURLFORD, AYRSHIRE **BELDAM ASBESTOS CO.LTD** LASCAR HOUSE, STAINES ROAD, HOUNSLOW

Over 3,300

Made and



PAINT BRUSHES

PAINTING

BRUSHES

ALL KINDS AND PATTERNS

FOR ALL PURPOSES

Specialising in Shipbuilders' Requirements

WM. MORIER & Co. Lo.

UPPER

CLAPTON,

LONDON, E.5

2 in. to

72 in. dia.

RIGBY'S

DOG

BRUSHES

PISTON & PISTON VALVE RINGS

DISTON RINGS

Standard Piston Ring & Eng. Co. Ld.

PISTON SPRINGS

CAMERON'S

CORRUGATED

PISTON

SPRINGS

ENGINE ROOM FURNISHINGS

HARRISON & CO.

173 HIGH ST. WEST. SUNDERLAND
Phone—2295/6 Est. 1887 Grams—"Iron"

PLYWOOD

YNE PLYWOOD

Manufacturers of

PLYWOOD of every description

WILLINGTON QUAY, WALLSEND

NORTHUMBERLAND

Pelegrams: "Okoume," Wallsen Telephones: Wallsend64044/6

**PROPELLERS** 

BAMFORD & CO., LTD.

Sterngear Specialists & Designers of all types of Marine Propellers

AJAX WORKS - STOCKPORT

Telephone: Telegrams: Stockport 2601 "Ajax," Stockport

Highengines

FRIEDENTHALS LTD.

orcial Craft, etc.

Improved

Designs for Trawlers and Tugs

CASTINGS OF ALL

DESCRIPTIONS TO TOTOMS

**Engineers and Iron Founders** 

HARPER, PHILLIPS & CO., Ltd.

Specify a -

WORKS, LTD.

RONALD TRIST

& CO., LTD.

SLOUGH

**PLEASANT** 

TAURIL JOINTING

SUITABLE FOR HIGHEST TEMPERATURES
AND PRESSURES

THISTLE PACKINGS for All Services

MOULDED PACKING RINGS

TITAN CENTRIFUGAL SEPARATORS

space is sub-divided by transverse bulkheads into nine tanks, making 27 compartments. The machinery is placed aft. There are two large pump-Cook, Welton & Gemmell, Ltd., Beverley, for Fleetwood owners, but to rooms, each with two steam-driven oil cargo pumps, each capable of dischargbe operated from Hull, is the eighth British trawler to be launched by these builders since the cessation of hostilities. She has been constructed under machinery space, and in a deep tank Lloyd's Register Special Survey and is under the forward hold. 137 ft. in length. While primarily intended for Faroes fishing, she will no doubt experiment, with the advantages offered by diesel machinery, in more distant waters, and the ample bunker recreation room is provided for the and fresh water tankage contributes to with mechanical ventilation and heatensure a large radius of action. The ing specially suitable for the tropical form has been designed as a result of service for which she is intended. The tank tests for efficient speed perform-European hospital is fitted with a full ance, and the vessel has a well raked air conditioning plant, which will enable this space to be kept at a lower plate stem with well flared bows, graceful sheer, deep cruiser stern and temperature than elsewhere in the streamlined upper works. A modern ship. The deck machinery consists of feature is the integration of the funnel with the upper bridge. The crew of 18 one steam windlass, two steam winches persons is housed amidships and aft and two steam warping capstans, and the steering gear is of the steam with internal communicating access at quarter-deck level. In addition to a hydraulic type. The propelling machinery consists of a Doxford opposed-piston balanced oil engine of bunkers by a cofferdam, cod liver oil and residue tankage is provided, with the latest design, having four cylinders steam processing plant in the after 600 mm. in diameter and 2320 mm. combined stroke, with twin lever deckhouse. The deck auxiliaries include driven scavenge pumps. electric windlass, hand electrohydraulic steering gear and electric trawl winch. Instruments include wireless telegraphy and telephony installation, direction finder, duplicated echo sounding apparatus, Chernikeeff log

"Thorina'

The diesel trawler Thorina, built by

LAUNCHES AND TRIALS the combined transverse and longi-

and electric revolution meter. The propelling machinery and trawl Line, winch diesel auxiliary are being sup- launched. Intended for employment plied by Ruston & Hornsby, Ltd., and in her owners' North Atlantic service, installed by Charles D. Holmes & Co., she is a vessel of about 10,000 tons Ltd., of Hull. The main engine is of gross, being 497 ft. 6 in. in length four-stroke non-reversing type, with overall, 64 ft. in breadth, and Büchi supercharging, driving the propeller through reverse reduction gear-holds and 'tween decks, Nos. 2 and 5, ing. For electric power and lighting having a total capacity of 115,000 cu. (installed throughout) current is sup- ft., are insulated for the carriage of plied by a generator driven by the main refrigerated cargoes (frozen and chilled engine with speed control gear, and a meat, fish, bacon, ham and various separate generator on standby diesel fruits), the refrigerating machinery set. Steam for cod liver oil processing, being electrically driven. The six accommodation heating and domestic hatches are served by 18 derricks with hot water is provided by a Thermax oil-fired boiler erected in the engineroom complete with electric-driven fan blower and oil-firing plant.

"Linga" The motor tanker Linga, about 9000 forward end of the deck and a dining sons d.w., which Harland & Wolff, saloon immediately below on the Ltd., Belfast, have launched for the upper deck. The deck and engine-Anglo-Saxon Petroleum Company, room crews are housed in the poop in td., is the second of two sister ships three- and four-berth cabins. Ventilawhich Messrs. Harland & Wolff are tion and heating are carried out ouilding for the company. Two further mechanically, hot or cold air being distankers and an asphalt carrier for the tributed by a system of fans, trunks same company are at present under construction at Belfast. The *Linga* is about 446 ft. in length overall, 425 ft. construction at Belfast. The Linga is about 446 ft. in length overall, 425 ft. b.p., 54 ft. 3 in. in breadth and 31 ft. in depth. She is of the usual tanker in depth. She is of the usual tanker is the state of the usual tanker is the us design, with machinery aft and with forecastle, poop and 'midship erec- 2320 mm., and developing 6800 b.h.p. tions, connected by fore and aft gangways. The construction is on the combined transverse and longitudinal diesel electric sets of 210 kw. each and system of framing and arranged to one of 175 kw. meet the highest requirements of Lloyd's Register. The hull is divided by longitudinal and transverse bulkheads into 24 oil-carrying compartments, there being a pump room between Nos. 3 and 4 tanks and one Sunderland, for the Ministry of between Nos. 5 and 6 tanks. Modern Transport, has run trials. Built to equipment is provided for work- Lloyd's Register class, with two longiing the vessel, which has four duplex tudinal bulkheads and longitudinal steam cargo oil pumps, steam framing throughout, she is 335 ft. in FOR IMPROVED PERFORMANCE cargo winches, steam windlass and length b.p., 48 ft. in breadth and steam hydraulic steering gear. Accommodation for the crew is aft and for deadweight being 5000 tons on a officers, engineers, &c., in deckhouses draught of 22 ft. There are 15 cargo amidships. Life-saving appliances in-clude four steel lifeboats handled by propelling machinery consists of a

mechanical davits. The propelling machinery consists of 2500 b.h.p. at 108 r.p.m. and designed a diesel engine of Harland-B. & W. to give a service speed (average fair 4-cycle, crosshead type, with six weather) of 12½ knots. There are two cylinders 650 mm, bore and 1400 mm. boilers, one of which takes exhaust gas stroke. Under-piston pressure induc- from the main engine. tion is employed. The cylinder liners. jackets and pistons are cooled by fresh TOP Speed Diesel water. Pumps for cylinder and piston cooling, fuel, lubricating oil and sanitary purposes are driven off the engine crankshaft by chain and gear wheels. The auxiliary machinery is steam-driven, steam being generated in an exhaust gas and oil-fired Scotch boiler, 3500 sq. ft. heating surface. The electrical installation consists of two 110-volt 30 kw. generators-one steamdriven and one diesel driven-supplying current for ship's use and for turning gear, workshop and small auxiliaries in the engine-room. Echo-

British Major"

The British Major, the first of five tankers ordered by the British Tanker Company, Ltd., from William Doxford & Sons, Ltd., Sunderland, has run trials. She is the first of the British Tanker Company's post-war ships to be built to their own specification, and was commenced after the Admiralty relaxed its wartime restrictions on owners' specifications. Among many other developments, she is the first of their own ships to be fitted with radar.

The steam trawler Ingolfur Arnarson

built for the Icelandic Government by Cochrane & Sons, Ltd., Selby, has been launched. She is 175 ft. in length b.p. 30 ft. in breadth and 16 ft. in depth The fishroom will be insulated and a plant will be fitted for extracting oil from fish livers. With the exception of a 1200-fathom trawl winch, all the

## "Ganesella " twin-screw tank steamer

standard Doxford oil engine developing

Ganesella, built by Joseph L. Thompson & Sons, Ltd., Sunderland, for the Anglo-Saxon Petroleum Company, Ltd., has been launched. She is 382 ft. in length b.p., 62 ft. 6 in. in breadth and 18 ft. 9 in. in depth to harbour deck, and has been built to Lloyd's Register class. Designed for the owners' Lake Maracaibo trade, the vessel will carry 6000 tons of oil cargo on a draught of 16 ft. 6 in., and has seven centre and eight wing tanks, oil sounder and Sperry gyro compass are fuel cross-bunker and pump-room aft among the navigational equipment and dry cargo hold forward. Propelling machinery, supplied by George Clark (1938), Ltd., Sunderland, consists of two sets of triple-expansion engines with two water-tube boilers.

"Ingolfur Arnarson"

#### Glasgow, Coatbridge, Motherwell, Gateshead-on-Tyne, West Hartlepool, Etc and General Brass Foundry TRADE PLAYMIT MARK ROCKET APPARATUS Specialists SHIPS' LAMPS LIFE SAVING EQUIPMENT has saved more lives at sea than all MARINE LOODLIGHTS

TELFORD, GRIER, MACKAY & CO. LD.

SHIPS' LIGHTING STEAM-DRIVEN SHIP LIGHTING PLANTS EASTON &

SHIPS' TACKLE

SHIPPING TACKLE pecialities: Shackles, Thimbles, Hooks, ulley Blocks, Split Links, Wire Rope rips, Rigging and Straining Screws, owlocks and Boat Hooks, Brass Nuts, etc., etc., and Sailmakers' Requisites.

JOHNSON LTD

TAUNTON

BEMBRIDGE & JENKINS LTD. 197, HENEAGE STREET, BIRMINGHAM, 7

Tel. No.: Aston Cross 1015 Tel. Add.: "Bembridge, Birmingham" Warehouse at 4, Ansdell Street, Liverpool, 1

JOSEPH BILLINGHAM (SHIPS' TACKLE) CO., LTD. Barrs Road CRADLEY Rigging Staffs. and Straining Screws of All Types All Classes of Small Forgings and Engineers' Ironwork

# RIGGING-**SCREWS**

Phone: Cradley Heath 691:7/8 'Grams: Tackle' THE CRADLEY SHIPS TACKLE

Ship Works, Graingers Lane, Cradley Heath

SHIPS' TELEGRAPHS

FOR THE BEST SHIPS' TELEGRAPHS,

VOICE PIPES, REMOTE CONTROL GEAR AROBINSON & COLTP KNOWSLEY RP LIVERPOOL, 20.

SHIPS' WINDOWS

WINBURNE COMBINATION PIVOTED SIDE SCUTTLE he COMBINED PIVOT SCUTTLE has the GLASS

HOLDER fitted into a hinged brass frame which can be adjusted to allow the GLASS HOLDER to

M. W. SWINBURNE & SONS, LD. WALLSEND-ON-TYNE

SOOT BLOWERS

CLYDE **BLOWERS** for Locomotive, Land & Marine Boilers

CLYDE BLOWERS LTD. Livingstone St., Clydebank Phone: Clydebank 1577 Gram: Harvin Glass

SOOT PHONE: ELGAR 6073

**BLOWERS** are SUPERCLEANERS DIAMOND BLOWER Co. LTD. BRENT CRESCENT, LONDON, N.W.10

STEAM FITTINGS



ASBESTOS PACKED COCKS - PUMPS
REDUCING VALVES - SAFETY VALVES
SIGHT FEED LUBRICATORS CANNING TOWN, LONDON, E.16

Continued on page 14, columns 5 and 6

Steam and Diesel Engine Castings Built to Lloyd's Register class, she is auxiliary machinery is driven by elecof single-deck type, about 490 ft. in tricity. The propelling machinery, in length over all, with poop, bridge and stalled by Amos & Smith, Ltd., Hull. Contractors to the Admiralty. Established 1877 forecastle, a raked stem and cruiser consists of triple-expansion steam stern, and is designed to carry a total engines, having cylinders 161 in. OLD HILL, Staffs. deadweight of about 12,250 tons on a 281 in, and 47 in, in diameter, and with

draught of 27 ft. 7 in. Constructed on a stroke of 30 in.

Head Office: VICKERS HOUSE · BROADWAY · LONDON · S·W·1

# "Just listen to me, a minute

"I'm the assembly and test foreman. If you're using any sort of SMITH machine\_as you will be if your work's important \_ I can tell you that every part, to the tiniest cog, is tested and passed A.1 before the machine leaves the works. SMITH'S won't send out anything that isn't right to the final detail."



RODLEY, LEEDS

Specialists in the design and Manufacture of Cranes and Excavators

# SHIPS IN PORT

## LONDON-IN DOCK

Vessel Tons Gross Station Dock Brokers ADVISER, 6348, C Shed, West India, Gray, Dawes & Co. ALOUETTE, 276, D Qy., Regent's Canal, G. S. N. Co.

G. S. N. Co.

ARAWA, 14,462, 20 Shed, Royal Albert, Shaw Savill & Albion Co.

ARBROATH, 553, Canary Wf., West India, Dundee, Perth & London Shipping Co.

ARY, 642, J Shed, South-West India, G. A.

Tom & Co.

AUNE H., 1950, Centre Yd. N., Surrey Commercial, H. Lange Bell & Co.

BEAVERDELL, 9901, D Shed, Victoria, Canadian Pacific S.S.

BROCKLEYMOOR, 7368, Empire Mills, Victoria, Runciman (London) toria, Runciman (London) BULLFINCH. 433, E Qy., Regent's Canal, G. S. N. Co. CARPIO, 1847, 5 Shed, Royal Albert, Mac-Andrews & Co. CASTOR, 1683, A Qy., Regent's Canal, S. L. A. CATHERINE (ferry), 259, Norway Floating Dry. L.M.S. CATTARO, 2883, 4 Shed, Tilbury, G. S. N. Co. (Clemt)
(Clemt)
(CEFN-Y-BRYN, 5164, Dry Dk., Millwall,
Capper, Alexander & Co.
(CHANNEL QUEEN, 567, Dry Dk., West India,
British Channel Islands Shipping Co.
(CHURRUCA, 1847, W. Dk., Ldn. Dk., Mac-Andrews & Co. CID, 1847, W Dk., Ldn. Dk., MacAndrews & CITY OF KEELUNG, 5186, 5 Shed, Tilbury, A. Howden & Co.
CITY OF LILLE, 6588, 22 Shed, Tilbury,
Montgomerie & Workman
CITY OF MADRAS, 8582, 18 Shed, Royal
Albert, Ellerman & Bucknall S.S. Co.
CLAN LAMONT, 9512, 9 Shed, Tilbury, Cayzer, CIAN LAMONA, 5012, 5020
Irvine & Co.
CLAN RANALD, 5447, N.E. Dry, Tilbury, R. P. Houston & Co.
COLUMBIA STAR, 8293, 15 Shed, Royal Albert, Blue Star Line
COPTIC, 10,629, 5 Shed, King George V., Shaw Savill & Albion Co.
DARRO, 9733, W Dry Dk., Royal Albert, Royal Mail Lines Mail Lines

DENBIGHSHIRE, 8983, 14 Shed, King
George V., Glen Line

DESEADO, 9641, A Shed, Canal, Victoria,
Royal Mail Lines

DRAKENSBERG CASTLE, 9914, 3a Shed,
Royal Albert, Union-Castle Mail S.S. Co.

DROMORE, 4096, O Shed, South-West India,
G. S. N. Co. DUNSTER GRANGE, 9494, Z Shed, Victoria, Houlder Bros. & Co.
EDDYSTONE, 1452, W Dk., Ldn. Dk., Clyde Shipping Co.
EEMSHORN, 199, B Qy., Regent's Canal EGIDIA, 9952, 23 Shed, Royal Albert, Runciman (London)
EMPIRE CHAMOIS, 5684, 3 Shed, Victoria, Moxon, Salt & Co.

Moxon, Salt & Co. EMPIRE COMFORT, 1333, 26 Shed. Tilbury. Lintone & Co.

United Shipping Co.

EMPIRE KENT, 4769, T. & T. 2 Whses., Millwall, wall, T. & J. Harrison

EMPIRE PARKEHA. 8115, 14 Shed, Royal
Albert, Shaw Savill & Albion Co.

EMPIRE REGENT, 9904, B. Qy., Victoria,
T. & J. Harrison

EMPIRE REST. 1327, 06 St. G. S. N. Co. (Clemt) EMPIRE GANNET, 5672, 6 Shed, Tilbury. Strick & Co.
ULSTER DUKE, 507, Blackwall Bsn., West.
India, Channel Islands Shipping Co.
VALACIA, 7052, 7 Shed, King George V.,
Cunard White Star
WEST COASTER, 361, W Dk., Ldn. Dk., T. & J. Harrison

EMPIRE REST, 1327, 26 Shed, Tilbury,

G. S. N. Co. (Clemt)

EMPIRE RIDLEY, 6838, B Shed, West India, G. A. Tom & Co.

EMPIRE SHEITER. 1336, 26 Shed, Tilbury.
G. S. N. Co.

EMPIRE SHEITER. 1336, 26 Shed, Tilbury.
G. S. N. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

ZEUS, 200. W. Dk., Ldn. Dk., Brussels S.S. Co.

Z White Star FORT ORLEANS, 7166, 1 Shed. Victoria, Blue APTITY, Oil Works, Erith. F. T. Everard & Star Line
FORT SAKISDAC, 7160, 29 Shed, Royal
Albert, J. B. Westray & Co.
FORT THOMPSON, 7134. Brunswick Yd.
Shed, Surrey Commercial, E. H. Mundy &

GANNET, 1336, 19 Shed, Tilbury, G. S. N. Co. (Clemt) GARDENIA, 4019, Station Yd., Surrey Com-mercial, Nelson, Donkin & Co. GLENARTNEY, 9795, 9 Shed, King George V., GLENIFFER, 9559, 26 Shed, Royal Albert, Glen Line
GOLDEN EAGLE, 793, 2 Shed, Koyal Albert,
Glen Line
GOLDEN EAGLE, 793, 2 Shed, Tilbury,
G. S. N. Co. (Clemt).
HELNY (ex Chant 59), 401, Thames Dry No. 2
HIGHLAND CHIEFTAIN, 14,135, 2 Shed,
King George V., Royal Mail Lines
HIGHLAND PRINCESS, 14,133, 4 Shed, King
George V., Royal Mail Lines
HUGIN 1302, R Whse., Millwall, British &
Northern Shipping Agency
J.F.V., 515, F.Qy., Regent's Canal, G. A. Tom

KOHISTAN, 5884, 8 Shed, King George V., P. & O. S. N. Co. LADY SHEILA, 216, ——, Tilbury, S. Cater & LAKS NES (ex Empire Concern), 1587, D 2 Whse., Millwall, United Shipping Co. LOMBARDY, 3379, F Qy., Victoria, Royal Mail MAHANADA, 8971, 8 Shed, Tilbury, A. How-MAIHAR, 7563, 16 Shed, Tilbury, A. Howden & CO.
MANTOLA, 9065, 17 & 19 Sheds, Royal Albert,
Gray, Dawes & Co.
MATHERAN, 8007, 7 & 9 Sheds, Royal Albert,
Gosman & Smith
MERKLAND, 1375, E Dk., Ldn. Dk., Currie MOOLTAN, 20,952, 13 Shed, King George V., P. & O. S. N. Co.
MYTILUS, 5693, Blackwall Bsn.. West India
NORTHUMBERLAND, 11,559, 33 Shed, Royal
Albert, J. B. Westray & Co.
ORIOLE. 489, W Dk., Ldn. Dk.. G. S. N. Co.
ORMONDE, 14,982, 13 Shed, Tilbury,
Anderson, Green & Co.
PACIFIC SHIPPER, 6260, N Shed, South
West India, Union-Castle Mail S.S. Co.
PALACIO, 1346, 12 Shed, Tilbury, MacAndrews
& Co. (Clemt)
PHILOMEL, 2122, Green's Dry No. 1, G. S. N.
Co. Co.
PINJARRA (ex Empire Paragong), 9892, 10
Shed. King George V., P. & O. S. N. Co.
PORT ADELAIDE, 8515, Co-op. Qy., Victoria,
Port Line
PORT FAIRY, 8337, 35 Shed, Royal Albert,
Port Line
PORT JACKSON, 9687, 6 Shed, King George
V. Port Line Port Line
PORT JACKSON, 9687, 6 Shed, King George
V. Port Line
QUEEN'S CHANNEL (hopper barge), 583,
Green'S Dry No. 2, Tilbury Contracting &
Dredging Co.
RATHLIN, 1527, W Dk., Ldn. Dk., Clyde
Shipping Co.
RHONE, 209, Nelson Dry, W. H. Muller & Co.
ROSEDALE PARK, 7139, C & D Sheds, West
India, Keller, Bryant & Co.
SAKARA, 2743, N. Qy. Bsn., East India,
G. S. N. Co.
SAMKARA, 2719, 21 Shed, Royal Albert,
Anderson, Green & Co.
SAMSPRING, 7219, 3 Shed, King George V.,
Royal Mail Lines
SAMYALE, 7219, E. Dry Dk., Royal Albert,
Moxon, Salt & Co.
SPAROEA, 6668, K Shed, Millwall, Keller,
Bryant & Co.
SOBO, 5353, Dry Dk., King George V., Killick,
Martin & Co. Martin & Co. SOMERSET COAST, 1097, W. Dk., Ldn. Dk., Coast Lines SPRINGWOOD, 525, Nelson Dry, Mitre STRATHNAVER, 22,283, 31 Shed, Tilbury, P. & O. S. N. Co. SUECIA, 4216, G. Whse., Millwall, British & Northern Shipping Agency
SUTHERLAND, 1330, Shad, Bsn., Ldn. Dk., rie Line 213, Shad. Bsn., Ldn. Dk., Brussels

THE COUNTESS, 824, W. Dk., Ldn. Dk.,

Coast Lines THEMSTON, 711, C Qy., Regent's Canal, S.

FORELAND, 1331, W Dk., Ldn. Dk., Currie

FORT CADOTTE, 7128, 11 Shed, Royal Albert,
Cunard White Star
FORT CARIBOU 7132, T & T2 Whses., Millwall, E. H. Mundy & Co.
FORT FRASER, 7126, 10 & 12 Sheds, Royal
Albert, Blue Star Line
FORT MIAMI, 7132, C Qy., Victoria, Cunard
White Star

ABILITY, Lambert's Jty., Beckton, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Lambert's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.
Everard & Sons
AGILITY, Everard's Jty., Greenhithe, F. T.

A Sons

ARANMORE. Clyde Shipping Co.
ARCHGROVE. Chaik Jty., W. Thurrock.

Temple Thomson & Clark
ARNEWOOD, Lower Tr., W. Woolwich, Milner
Thomas & Co.
ASPERITY, Everard's Wf., Greenhithe, F. T.
Everard & Sons
ASSIDUITY. Imperial Paper Mills, Gravesend, F. T. Everard & Sons
AVONWOOD, Kent Portland Cement Works.
Stone, Temple Thomson & Clark
AXINITE

AXINITE BAJAMAR, for West India Dk., F. Dessen &

BARRA HEAD, anchored St. Clement's Reach.
Temple Thomson & Clark
BAUTA, for Swanscombe
BELOOSTROV, for Surrey Commercial Dk.,
L. W. Morland & Co.
BELVINA, Bevan's Wt., Northfleet, Temple
Thomson & Clark
BENLAWERS, Bevan's Wt., Northfleet
BIRDWOOD, Upper Tr., Erith, W. France,
Fenwick & Co.
BLISWORTH, for Tilbury Dk., Grand Umon JAMAICA PRODUCER. 5464, K Shed, South
West India, Kaye, Son & Co.
JAN STEEN, 7174, 13 Shed, Royal Albert,
Royal Mail Lines
JENNY, 1272, Station Yd., Surrey Commercial, B. E. Moors & Co.
JOHN PERRING (sludge vessel), 1559,
Green's Dry No. 2, L.C.C.
KASTE, 1935, Centre Yd. N., Surrey Commercial, H. Lange, Beil & Co.
KING LEAR, 309, S. Lay-bye. Surrey Commercial, Ocean Salvage & Towage Co.

BIRDWOUD, Upper Tr., Efith, W. France,
BLISWORTH, for Tilbury Dk., Grand Union
Shiring Dk., Grand Union
S

Tatham, Bromage & Co.
(EDARWOOD, Kent Portland Cement Works,
Stone, Temple, Thomson & Clark
('ELTIC QUEEN, N. Woolwich Tr.. British
Channel Traders
('ERNE, Hanover Hole Tr., Rotherhithe,
Stephenson Clarke, 1.td.
('OLNBROOK, Power Station, Barking, Coastwice Colliers wise Colliers
(OLWYN, Power Station, Barking, Coastwise Colliers
CORBRIDGE, Galleons Tr., Woolwich, W. CORCREST, S.S.O.C.A. Jty., Purfleet, W. Cory CORDALE, Upper Tr., Charlton, W. Cory & CORFLEET, Middle Tr., Erith, W. Cory & CORMOAT, Lower Tr., Charlton, W. Cory & CORMORANT, Carron Wf., Wapping, G. S. N.

CORNWOOD, Galleons Tr., Woolwich, E. Foster & Co.
CROMBIE. Highway Wf., Wandsworth, Dundee, Perth & London Shipping Co.
DALEWOOD, Lower Tr., Ruinham
DE VILHINA (ex Empire Snowdrop), Spurling's Wf., Limehouse, O. P. Secretan
DONA FLORA
DUNNET HEAD, Ward's Jty., Grays
DURHAMBROOK, Imperial Paper Mills,
Grayesend Gravesend
EDENWOOD, Bevan's Wf., Northfleet, Temple
Thomson &Clark
EMPIRE AUDREY, Everard's Bys., Greenhithe, F. T. Everard & Sons
EMPIRE CONDOR, Lower W. Woolwich Tr., EMPIRE DAFFODIL, Stowage Wf., Deptford Creek, G. S. N. Co.
EMPIRE FANFARE. Everard's Wf., Greenhithe, F. T. Everard & Sons
EMPIRE FARNHAM, off Gravesend, S. Cater EMPIRE FARRINGDON, Thames Wf., Canning Town, S. Cater & Co.
EMPIRE GALENA, Chamberlain's Wf.,
Bermondsey, United Baltic (Orporation
EMPIRE SPINNEY, Stowage Wf., Deptford
Creek, G. S. N. Co.
EMPIRE TENDALE, Cargo Jty., Tilbury, P. Henderson & Co. EMPIRE VILLAGER, Barking Jty., Cawood ESSEX TRADER, Greenwich Tr., E. R. Mund ESTHER THORDEN, Kent Portland Cement Works, Greenhithe, S. Cater & Co. ETHYLENE. Nine Elms Gas Works. Cokemart, ttd.
EVERTSEN, Gravesend Bys., G. A. Tom & Co. FAUVETTE, Frongate Wf., Tower Bridge, G. S. N. Co.
FIRECREST. Beliamy's Wf., Rotherhithe, S. Cater & Co.

(Continued on page 18)

Cater & Co. FIRELIGHT, Beckton Gas Works, Cokemart,

FORT COLUMBIA, Ford's Jty., Dagenham,

Lambert Bros.
FORTH. Carron Wf., Wapping, Carron Co.
FREDBORG, for Chalk Jty., W. Thurrock, H.
Lange, Bell & Co.
FREDMAN, H. Lange, Bell & Co.

Suppliers to Shipbuilders and Marine Engineers (Continued from page 13, columns 5 and 6)

STEAM FITTINGS

UNITED BRASS

NON-FERROUS CASTINGS in Brass, Gunmetal, & Phosphor - Bronze,

SHIPS' PIPING **EXPANSION** JOINTS Copper and GalvanisedIron **DECK TUBES** 

COPPER WORKS 25, Osborne Street, HULL

STEERING GEAR

STEAM, HYDRAULIC

AND"DONKIN SCOTT"ELECTRIC

DONKIN & COMPANY, LTD.

NEWCASTLE-ON-TYNE

G. HUNTER (LONDON) LTD. E. 14

TESTERS & ANNEALERS

MARK PRIEST & SONS, LTD CHAIN

TELEPHONE: EAST 1602

CRANE AND WINCH TESTING

BRISTOL PROVING HOUSE, FRANKLYN STREET, ST. NICHOLAS RD., BRISTOL, 2

SHIPS' TACKLE

MANUFACTURER BROOK ST., LY E, Nr. STOURBRIDGE

- Speciality

TUBES

OPEN JOINT, CLOSE JOINT

AND WELDED

IN MILD STEEL AND

STAINLESS STEEL

THE BRITANNIA TUBE CO. LTD. GLOVER STREET - BIRMINGHAM, 9

TUBE

FABRICATION

Including Screwing,
Bending and Welding.
All size Trues in stock up to 14
VALVES in gunmetal and cast irou
Phone 33877 (two lines) and 33463

SPECIALTIES, LTD.

VALVES

VALVES, COCKS

AND FITTINGS FOR SHIPBUILDERS AND ENGINEERS

Fleet Street, LEICESTER

BRITISH STEAM

- <del>} B 0 S S > −</del>

G, & A, E, SLINGSBY

Cumberland St., HULL

ENGINEERS

Tube and Valve Specialists

THIMBLES

HASTIE JOSEPH WELLINGS

GREENOCK MAKERS OF ELECTRIC HYDRAULIC STEERING GEARS

STEAM HYDRAULIC STEERING GEARS FOR ALL CLASSES OF VESSELS

JOHN HASTIE & CO., LTD. KILBLAIN ENGINE WORKS GREENOCK. Tels
"Hastie" Greenock
Phone— 2286 - 7 - 8

STEERING GEAR STEAM AND ELECTRIC

HOMAS REID & SONS (PAISLEY), LTD. 39. THREAD STREET, PAISLEY

Established 1852 London Agents-FERGUSON & TIMPSON, LTD 155, MINORIES, E.C. 3

STEERING TELEMOTORS

PATENT SAFETY AND MARINE AUXILIARIES

FOR LINERS. CARGO BOATS TANKERS & OTHER VESSELS MACTAGGART SCOTT & CO., LTD LOANHEAD, Midlothian, Scotland

STEERING WHEELS



FIRST CLASS WORKMANSHIP AND FINISH ALSO MAKERS OF STEERING GEARS, Etc., FOR SMALL CRAFT

SIMPSON-LAWRENCE L'

TEMPLATE BOARDS

JOHN M. WATSON & CO Crownpoint Works, GLASGOW, S.F.

TEMPLATE BOARD

(IN ROLLS)

Simplicity - Efficiency - Economy Samples and Prices on request

TESTERS & ANNEALERS

Send your enquiries to CHARLES BUTTERFIELD LTD

35 ROMFORD ROAD, LONDON, E. 15

WATER FILTRATION Pure, fresh water on the high seas

The Berkefeld range of water filtration plant, fully approved by the Board of Irade, will ensure constant supplies of pure water. All capacities available for pressure and static supplies.

BERKEFELD FILTERS Berkefeld Filters Ltd. (Dept. 50), Sardinia House, Kingsway, London

WIRE ROPES

STEEL WIRE SHIPPING

THE WHITECROSS CO. LTD.

SEPARATE UNITS.





ETERS & NORTH SHIE

TELEPHONE: NORTH SHIELDS 489.



GLASGOW ~ LONDON

BELFAST

LIVERPOOL

## **OVERSEA MOVEMENTS:** Latest Reports

## UNITED KINGDOM

CRAVESEND AR Fort Thompson, Ily 28 Sammid, Ily 29 Tyne for King George V Dk Marga Ristor for Imperial Wf Tim Amsterdam for London Dk Castor, Ily 30 Trndheim for Regent's Canal Dk Bajamar Las Palmas for West India Dk Denbijshsine Sydney for King George V Dk Eemstroom, Ily 29 Stavanger Son NewPORT Son Survey Commercial Dock Eeloostroy, Ily 30 Umea for Survey Commercial Dock Eeloostroy, Ily 30 Leningrad George V Dk Eeloostroy, Ily 30 Leningrad for Survey Commercial Dock Eeloostroy, Ily 30 Leningrad George V Dk Eeloostroy Ily 30 Leningrad George V Dk Eeloostroy Ily 30 Leningrad Goorge V Dk Eeloostroy Ily 30 L Belgranz Lag Fallman Formation and Marchester Spring Composition of the Property of Cast Dick Composition of Cast Dick Co

Gothenburg
MANCHESTER SD
Irene, Jly 29
William Brewster Pitea
GARSTON AR
Helfrid, Jly 30 Sundsvall
LIVERPOOL AR
Samfeugh, Jly 26
Empire Ettrick, Jly 29
Las Palmas
Fort Moose
Lagos
Fort Moose
Lagos
Fort Moose
Lagos
Fort Moose
Location
Location
Location
Location
Location
Location
Location
Company
Tanto
Dakar
Via Gdynia
GOTHENBURG
SD
Kristina Thorden, Jly 25
New York via Karlsham
Empire Galway, Jly 27
HARWICH
Kronprins Frederik,
Jly 28 Esbjerg
HALMSTAD
AR
Westland, Jly 20
HALMSTAD
Hadsund
Location
Location
Location
Location
Location
Copenhage
New York
About
Change
Copenhage
Manchester
Hans Mærsk, Jly 28
Laban Howes, Jly 30
Lucasa, Jly 28
Laban Howes, Jly 30
Lucasa, Jly 28
Laban Howes, Jly 30
Lucasa, Jly 28
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 28
Laban Howes, Jly 29
Laban Howes, Jly 28
Laban Howes, Jly 28
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 29
Laban Howes, Jly 28
Laban Howes, Jly 28
Laban Howes, Jly 28
Laban Howes, Jly 29
Lab | The First Control of the Control o Theodora, Jly 29 Diana, Jly 30 Elk Basin

MIDDLESRRO SD PORSCRUNN Sanny Jly 29 Rouen Inger Lise, Jly 24 Oslo Vienti Jly 26 Vindo Gothenburg Birka Immingham Gullborg Malmo PORSCRUNN SD Barosund, Jly 20 Barosun

AR KASKO Barosund, 317
HELSINKI
Iris (Fi), Jly 22
Suomen Neito
(for repairs)
Abo

Myllykoski Oddu
Jelva Lau, Jly 25
Antwerp
gense
AR
Tynemouth, Jly 24
Hamina
Regin Stockholm
Dagmar Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Raumo

Rostock
Myllykoski Leningrad
Rikke Skou, Jly 25
Raumo

Rostock
Raumo

Rostock
Ro

SD LEIXOES Dunay, Jly 29 American Packer,

Jly 25 New York
Otto Schmidt Odessa
(not on Jly 27 as before reported)
Joseph Leidy, Jly 27
New York

Readeric C. Hewe

Dunay, Jly 29
Casablanca

Casablanca

Readeric C. Hewe

Casablanca

Casablanca

Casablanca

TRAPANI
SD

Herma, Jly 21

MALTA
San Ubaldo, Jly 29

Vargentina (2924), Jly 29

Argentina (2924), Jly 29

Argentina (2924), Jly 29

Alexandria Frederic C. Howe,
Jly 28 New York
Levi Woodbury
New York
BRAKE
SD
William S. Young,
Jly 25 New York
TERSCHELLING
AR
Wega, Jly 30 Copenhagn for London
YMUIDEN
SNEW York
Roserroneous
Mercia, Jly 30 London
OPORTO
SD
Sardis, Jly 27 London
Keizersgracht Lisbon
Phoenix
Setubal
Omlandia, Jly 28
Rotterdam
Martha, Jly 29 Lisbon
LISBON
Setubal
Omlandia, Jly 29
Fort Island, Jly 29
Montreal
Montreal for London

YMUIDEN

AR
Sigrid Matthiessen,
Abo
Oulu

Robert F. Broussard
Baltimore

Family 29

SETUBAL

AR
Maria Joana, Jly 26

Montreal
Jly 29
Olga Topic, Jly 24

SPLIT
Gdynia, Jly 25

Lisbon
PIRAEUS
Samshire, Jly 25

Rikke Skou, Jly 25
Raumo
Waija Antwerp
Algarve Mantyluoto
Neriting Ily 20 Polevi

SD PALERMO SD Andrea Contarini, Jly 19 Brigham Victory, Jly 23 Hampton Roads Olga Topic, Jly 24

SD AR Empire Mace, Jly 24

LLOYD'S LIST Wed., July 31, 1946

VESSELS FOR SALE

STEEL SCREW TUG

Page

15

ELSA PARTISS"

Built 1908 by Messrs, Warren, New Holland. Dimensions: 58 ft. by 15 ft. 1 in. by 7 ft. 9 in. Draft about 7 ft. Bunkers 7 tons. Compound Engines, 11 in. and 22 in. by 16 in. stroke. Boiler, new 1927, 8 ft. 6 in. by 7 ft. 6 in., 120 lbs. working pressure, 21 N.H.P. 125 I.H.P.

Fitted with Fire & Salvage Pump. (Particulars not guaranteed.)

EAST COAST For further information apply Sole Brokers H. E. MOSS & CO.

52, St. James' Court, Buckingham Gate, LONDON, S.W.1 Grams: Phone Victoria 9244. Also at Liverpool & Newcastle on Tyne

Solely in our hands for Private Sale THE STEEL SCREW TUG FOLIO Y.14456

About 100 Tons gross Built 1925. Triple engines, about 400 I.H.P. and one boiler. Speed about 10 knots. Draft about 10 ft. aft by 9 ft. forward. Dimensions about 78 ft. by 20 ft. by 10½ ft. (Not accountable for errors in description)

C.W. KELLOCK & CO., Ltd. 27-31, ST. MARY AXE. LONDON, E.C.3 Telegrams—"Kellocks"

FOR PRIVATE SALE The Excellent Sailing Barge "FIVE SISTERS"

Apply T. W. TAMPLIN & CO. Ltd. 24/28, ST. MARY AXE, LONDON, E.C. 3
(Particulars not guaranteed.)

SUPERIOR GENERAL CARGO STEAMER

About 1700 tons d.w. on 17 ft. Built 1914, Classed Lloyd's. Passed Special Survey 1946, 1 Deck and Shelter Deck. 5 Steam Winches Electric Light. Speed about 9 Knots. In excellent condition. For further particulars, price, etc., apply SOLE BROKERS: THOS. McLAREN & CO.,

10, Bothwell Street, Glasgow, C. 2

'Grams: "Laren Glasgow" 'Phone: City 7217 (3 lines) SHIPBROKERS, NAVAL ARCHITECTS AND CONSULTANTS.

> CONSTANTS (HALFORD CONSTANT LTD.)

192 195, Dashwood House, OLD BROAD STREET, LONDON, E.C. Telegrams: Towboat, Ave. Telephone: LONdon Wall 3345/6.

THOS. PINKNEY & SONS, LTD Brokers for the Sale and Purchase of all types of Vessels

18-20, Creechurch Lane, London, E.C. 3 Telegrams-"TEPEANDESS ALD"
Telephone-AVEnue 4743

HANDY MOTOR COASTER

Apply SOLE BROKERS W. A. MASSEY & SONS LTD.
HULL
Telegrams: "Massey" Telephone: 35911 (4 lines)

**PURVIS SHIPPING CO.** 

Brokers for the Sale and Purchase of Shipping Companies and Vessels

STEAMSHIP BROKERS & AGENTS

Contractors for Coal and Coke Cargoes and Bunkers at all U.K. Ports.

112/113, Fenchurch St., London, E.C. 3 Phone: ROYal 2121/2 Grams: "Sivrup, Fen, London"

PASSENGER BOATS FOR SALE

147 ft. x 22 ft. 6 in. x 6 ft. 0 in. draught
M.O.T. (LIMITED) STEAM 3 & 5 certificate
for 271 passengers. Steel construction, built
1945. Twin screw Paxman diesel engines and
auxiliaries, electric lighting and pumping.
Speed 14 knots. Accommodation comprises
bridge and boat deck, weather deck with
seating accommodation, deck saloon with bar
and toilets, also saloon below main deck. Can
be seen in service. Price—£20,000.

69 ft. 6 in. x 18 ft. 6 in. x 3 ft. 0 in., draught
M.O.T. STEAM 5 & 6 certificate for 150
passengers. Wood construction, built 1937.
Twin screw Parsons pet/par marine engines,
electric lighting. Speed 10 knots. Accommodation comprises weather deck with seating
accommodation, saloon, bar and toilet below.
Price as she lies—£4.500. or refited and
equipped for service—£7.500. Box 731, Lloyd's
List & Shipping Gazette, Lloyd's, London,
E.C. 3. PASSENGER BOATS FOR SALE

#### SITUATIONS VACANT

TIRST CLASS DIRECTOR'S SECRETARY/
TYPINT (Male or Female) required, 
shipping experience preferred —Write, giving 
full particulars of previous experience, education and salary required to Box 130 c/o Barker 
& Howard, Ltd., 79, Fenchurch Street, E.C. 3

PIRST CLASS CHARTERING CLERK required with general experience.—
Write giving full particulars of previous experience, age and salary required to Box 131, c/o Barker & Howard, Ltd., 79, Fenchurch Street, E.C. 3.

MALE OR FEMALE LEDGER CLERK required for Brokers' Office, used to Underwriters' Ledgers. Write stating age. experience and salary to Box 767. LLOYD'S LIST & SHIPPING GAZETTE, Lloyd'S, London. E.C. 3.

TELEPHONES ON RENTAL—for offices and works. Supplied on rental terms which include full maintenance. Executive bund speaker and press button or dial staff telephones. For rates telephone Temple Bar 4506. Automatic Telephone & Electric Co. Itd., Melbourne House, W.C. 2. Branches throughout the country.

Page 16	LLOYD'	S LIST uly 31, 1946
ORAN	9 . AR	Clan Urquhart
Egholm, J Franche Co	Copenhagen omte	Clan Urquhart O Ocean Traveller M Historian, Jly 29 M
James Ker Constantin	Port Arthur ney Baltimore os H., Jly 29 Tunis	Cabano M Coringa Lour M DURBAN
ORAN Becky, Jly Rogn	SD Brest Dakar	Gazana, Jly 16
NEMOURS	ly 28 Algiers t Victory Algiers AR	Midnight, Jly 27 Antenor M
	Jly 28 Tunis	Mandarin Lour M Clan Macbrayne, Jly 28 Lour M
	uth & East	Egorlock C Samfreedom
Menapia, J Zahra, Jly Wilpo	ly 27 28 Haifa	Samoresby, Jly 2 East Erica Tak LOUR MARQUE Khandalla Jly 2
San Anthor Thomas Sto Becky, Jly Noemi	one Bizerta	City of Lucknow Middles
Menapia, J Badiestan	NCA SD ly 27 Dublin Ghent	Mandarin, Jly 28 Phila Ocean Vision, Jly
Cap el Hai Helencrest,	lr) Marseilles Campbell nk Marseilles Jly 28	Clan Macbrayne LOUR MARQUE
ST MICHA Spirit Lake Coteaudoc,	Jly 28 Venice	Taygetos, Jly 27 Que Coringa, Jly 28 Khandalla, Moza
MADEIRA Guine, Jly	London AR	BEIRA
LAS PALE	Vincent (CV)	Robin Sherwood, African Planet I BEIRA Isipingo, Jly 27 Mc TAMATAVE
Harold O. V	Wilson, Jly 28 Rio Grande ar, Jly 29 London	Ville de Strasbou Jly 29 DAR-ES-SALAAI
Harold O.	Wilson, Jly 28	Clan Cameron, Jl Gauntlet, Jly 27
TENEDIE	29 Buenos Aires	Vasna Vasna, Jly 29 Ocean Vista
Betancuria Pacific Exp	Matadi London oress, Jly 28 London	DAR-ES-SALAAI Vasna, Jly 27 Clan Cameron, J
Australia S	Sydney	Gauntlet M Vasna, Jly 29 M TANGA
Alex van (	Opstal, Jly 27 Antwerp oress, Jly 28	Samtucky, Jly 3 Li MOMBASA City of Lincoln, 3
Campechan ST VINCE St. Clears	Rio Janeiro o, Barcelona NT, CV AR Jly 30 (in tow of	Phila Gauntlet, Jly 29 New
Aylesbury,	Jly 30	MOMBASA Dorval Park, Jly I Samtucky Li
Serpa Pinte	Buenos Aires o Santos NT, CV SD o II., Jly 30	Alcantara, Jlv 29
Aylesbury Serpa Pint	London Lisbon	Colombie, Jly 27 MASSOWAH Baron Renfrew, J
DAKAR Doorman, J Samota, Jl	Ily 28 Sete y 29 Liverpool	PORT SUDAN Benvannoch, Jly Middles
KONAKRI Medie II., KONAKRI	Jly 28 Marseilles	Zypenberg Ams PORT SUDAN Zypenberg, Jly 2
Duala, Jly	27 Marseilles byon, Jly 29 Sassandra	ASIA
CDECTON		JEDDAH
FREETOW Manu, Jly Samalness Penhale, Jl	N AR	JEDDAH Eurybates, Jly 27 Sh
Manu, Jly Samalness Penhale, Jl- Amstelkerk Fort Ruper	YN AR 27 Haifa V 29 Dakar Lagos	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 1 Alex Amarapoora, Jly 2
Manu, Jly Samalness Penhale, Jl- Amstelkerk Fort Ruper FREETOW Manu, Jly S TAKORAD Biafra, Jly Mary Kings	YN AR 27 Haifa y 29 Dakar Lagos t SD 28 Ls Palmas I AR 29 N York eley Liverpool	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly Alex Amarapoora, Jly 2
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J	YN Haifa- y 29 Dakar Lagos t SD 28 Ls Palmas I AR 29 N York aley Liverpool SD	JEDDAH Eurybates, Jly 27 Sh  ADEN Langleetarn, Jly 2 Samaffric G Harpalycus R ADEN Fort Tadoussac, J  BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas	Haifa 27 Haifa 29 Dakar Lagos  N SD 28 Ls Palmas A R 29 N York sley Liverpool N SD N S	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric G Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa
Manu, Jly Samalness Penhale, Jl-Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas 29 N York sley Liverpool 1 SD 1 Y 29 Table Bay Monrovia AR , Jly 28 London AR y 29 for Canada 1, Jly 27	JEDDAH Eurybates, Jly 27 Sh  ADEN Langleetarn, Jly 2 Anarapoora, Jly 2 Samaffric Harpalycus R  ADEN Fort Tadoussac, J  BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl  Marpessa RAS TANURA Mispillion, Jly 28 TRUIShoma
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele	Haifa- Y 29 Dakar Lagos  Th. SD 28 Ls Palmas 29 N York sley Liverpool Table Bay Monrovia AR Jly 28 London AR F 29 for Canada 1, Jly 27 Amboim Liverpool Liverpool	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric GHarpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk Tab. KOWEIT
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo	Haifa- y 29 Dakar Lagos t. N SD 28 Ls Palmas Lagos t. AR 29 N York dey Liverpool Ly 29 Table Bay Monrovia AR tondon AR y 29 for Canada tondon AR Takoradi ordsman, ty 28 Takoradi ordsman, ty 29 Matadi	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Samaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tab KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas: LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swe Santiago Oxford Santiago	Haifa Y 29 Dakar Lagos  Haifa Y 29 Dakar Lagos  H SD R SP	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric G Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk Tabi KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas: LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swe Santiago Oxford Santiago	Haifa Y 29 Dakar Lagos  Haifa Y 29 Dakar Lagos  H SD R La Palmas R	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric G Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk Tabi KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swa J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISA Kauldi, Jne DUALA Kouffra, Jly	Haifa  Y 29 Dakar Lagos  H. SD  R SP Almas  AR  29 N York Sley Liverpool  SD  Y 29 Table Bay Monrovia AR  Jly 28 London AR  Y 29 Table Bay Monrovia AR  Jly 28 London AR  Y 29 Takorada  I Jly 27 Amboim Liverpool SD  R Jakoradi  Ort Harcourt Dakar Monrovia AR  R Jy 29 Matadi  Ort Harcourt Dakar Monrovia  R OURT AR  R Jy 28  Continent  Y 25 Port Bouet	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tabi KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Phila City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, J Wave Governor
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISJ Kauldi, Jne BATA Kauldi, Jne BATA	Haifa- y 29 Dakar Lagos t. Ya SD 28 Ls Palmas Lagos t. AR 29 N York dey Liverpool Lagos Table Bay Monrovia AR Jly 28 London AR y 29 for Canada a, Jly 27 Amboim Liverpool Li, Jly 28 Takoradi ordsman, Jly 29 Matadi Port Harcourt Dakar AR COURT AR Jly 28 BC Continent SD y 26 Port Bouet AR 15 Rio Benito	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 2 Alex Amarapoora, Jly 2 Samaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Empire Herald, J Wave Governor Hot Stanbell Singu Chit
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISJ Kauldi, Jne BATA Kauldi, Jne BATA	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas Lagos t. AR 29 N York dey Liverpool ly 29 Table Bay Monrovia AR Jly 28 London AR y 29 for Canada 1, Jly 27 Amboim Liverpool le, Jly 28 Takoradi ordsman, fly 29 Matadi Ort Harcourt Dakar RCOURT AR fly 28 SD 20 Rio Hara LE DO Rio Hara LE DJ 124	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 27 Alex Amarapoora, Jly 28 Samaffric GHarpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tab KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Governor Hot Stanbell Singu Chit Trondheim Avon ABADAN Sepia, Jly 28
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas: LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, S SANTA IS Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure	Haifa- Y 29 Dakar Lagos  I N SD 28 Ls Palmas Lagos I AR 29 N York dey Liverpool I SD I Y 29 Table Bay Monrovia AR J 28 London AR Y 29 for Canada 1. Jly 28 Takoradi Ordsman, Ily 28 Takoradi Ordsman, Ily 28 Takoradi Ordsman, Ily 28 Takoradi Ordsman, Ily 28 Tocontinent SD Y 26 Port Bouet AR I SD 20 Rio Hava LE SD Jly 24 Port Gentil AR Z 27 Enco Marques	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 1 Alex Amarapoora, Jly 2 Samaffric Gharpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 S Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Table Marpessa RAS TANURA Mispillion, Jly 28 Tolower Table KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 S BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, Jl Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 C Cowrie British Respect Wave Knight James J. Maguire Au
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, S SANTA IS Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly S ST HELES Norseman (	Haifa- y 29 Dakar Lagos t. y 28 Ls Palmas le Roy Monrovia AR y 29 Table Bay Monrovia AR y 29 for Canada 1. Jly 28 London AR y 29 for Canada 1. Jly 27 Amboim Liverpool le, Jly 28 Takoradi ordsman, ly 29 Matadi Port Harcourt Dakar Monrovia ROURT AR Hy 29 Matadi Continent SD y 26 Port Bouet AR 15 Rio Benito SD y 26 Port Gentil AR 15 Rio Benito SD y 26 Port Gentil AR 15 Rio Benito SD y 26 Port Gentil AR 15 Rio Benito SD y 26 Port Gentil AR 27 Rio Marques 28 Porsgrunn Jly 24 Port Gentil AR 27 Rico Marques 28 Porsgrunn JA AR cable), Jly 28	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 27 Alex Amarapoora, Jly 28 Samaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, COWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, J Sin Wave Governor Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, JI Empire Herald, JI Sin Sin Au Empire Herald, JI Sin
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swi Oxford Santiago Nigerstroom PORT HAF Knowlton, SANTA ISA Kauldi, Jne BATA Kauldi, Jne BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly ST HELEN Norseman ( ST HELEN Norseman ( ST HELEN	Haifa y 29 Dakar Lagos t y 29 Dakar SD t y 29 Table Bay Monrovia AR Jly 28 London AR y 29 for Canada t, Jly 27 Amboim Liverpool SD ty 29 Matadi ordsman, tly 27 Amboim Liverpool AR to 29 for Canada t, Jly 27 Amboim Liverpool SD to Jly 28 Takoradi ordsman, tly 29 Matadi ordsman, tly 29 Ma	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tab KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, Jl Sin Wave Governor Hon Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karawa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Sw. J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISA Kauldi, Jne BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly E ST HELEN Norseman ( ST HELEN Norseman ( WALVIS BA Richmond ( WALVIS BA Richmond ( COMMENT BA RICHMOND BA	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas 29 N York eley Liverpool ly 29 Table Bay Monrovia AR Jly 28 London AR y 29 for Canada a, Jly 27 Amboim Liverpool le, Jly 28 Takoradi Ordsman, fly 29 Matadi Ordsman, fly 28 Takoradi Ordsman, fly 29 Matadi Ordsman, fly 29 Takoradi Ordsman, fly 28 Takoradi Ordsman, fly 28 Takoradi Ordsman, fly 28 Takoradi Ordsman, fly 29 Matadi Ordsman, fly	JEDDAH Eurybates, Jly 27  ADEN Langleetarn, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 AMEIN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk Tab KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, Jl Sin Wave Governor Hon Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Bamora, Jly 28 Empire Noble BROMBAY
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swe J Oxford H Santiago Nigerstroom PORT HAF Knowlton, SANTA ISJ Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jiy ST HELEN Norseman ( ST HELEN Norseman ( ST HELEN Norseman ( Kaituna, JI TABLE BA Richmond ( Kaituna, JI TABLE RA	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas 29 N York eley Liverpool ly 29 Table Bay Monrovia AR Jly 28 London AR y 29 for Canada 1, Jly 27 Amboim Liverpool le, Jly 28 Takoradi ordsman, fly 29 Matadi ort Harcourt Dakar Monrovia RCOURT AR fly 28 ABEL SD e 1 Continent SD y 26 Port Bouet AR 15 Rio Benito 20 Rio Hava LE Jly 24 Port Gentil AR 15 Rio Benito SD Jly 24 Port Gentil AR 27 mco Marques 28 Porsgrunn JA AR cable), Jly 28 AR cable), Jly 29 AR cable), Jly 29 AR cable, Jly 27 London y 29 Melbourne y SD	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 27 Alex Amarapoora, Jly 28 Amaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Lullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Empire Herald, Jl Sin Wave Governor Hot Stanbell Singu Chit Trondheim Avon ABADAN Wave Knight James J, Maguire Wave Knight James J, Maguire Lampire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Bamora, Jly 28 Inviken KARACHI Bamora, Jly 28 Empire Noble Bembary Samdaring, Jly 28 Kure & Hot COCHIN Lourenco Marques Jly 28 Hot
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISJ Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly ST HELEN Norseman (ST HELEN Norseman (ST HELEN Norseman (Kaituna, Jl TABLE BA Richmond (Kaituna, Jl TABLE BA Richmond (Kaituna, Jl TABLE BA Richmond (CK) Richmond (	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas 29 N York idey Liverpool Table Bay Monrovia AR 19 28 London AR 7 29 for Canada 1, Jly 27 Amboim Liverpool 19 27 Amboim Liverpool 19 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 29 Matadi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Hara AR ABEL SD J 26 Port Bouet AR 15 Rio Benito SD 20 Rio Hava LE SD Jly 24 Port Gentil AR 27 enco Marques 28 Porsgrunn JA AR (cable), Jly 28 AR (cable), Jly 28 AR (cable), Jly 28 AR (cable), Jly 29 Melbourne V SD k, Jly 27 ort Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 Amarapoora, Jly 28 ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tabo KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, Jl Sin Wave Governor Hon Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Barpeta, Jly 28 Inviken KARACHI Bamora, Jly 28 Inviken KARACHI Bamora, Jly 28 Empire Noble BEMBAY Samdaring, Jly 28 COCHIN COCHIN Clan Campbell, Jl Karagola Sey
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISJ Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly ST HELEN Norseman (ST HELEN Norseman (ST HELEN Norseman (Kaituna, Jl TABLE BA Richmond (Kaituna, Jl TABLE BA Richmond (Kaituna, Jl TABLE BA Richmond (CK) Richmond (	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas 29 N York idey Liverpool Table Bay Monrovia AR 19 28 London AR 7 29 for Canada 1, Jly 27 Amboim Liverpool 19 27 Amboim Liverpool 19 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 29 Matadi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Harcourt Dakar Monrovia RGOURT AR 11y 28 Takoradi Ord Hara AR ABEL SD J 26 Port Bouet AR 15 Rio Benito SD 20 Rio Hava LE SD Jly 24 Port Gentil AR 27 enco Marques 28 Porsgrunn JA AR (cable), Jly 28 AR (cable), Jly 28 AR (cable), Jly 28 AR (cable), Jly 29 Melbourne V SD k, Jly 27 ort Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth vir Elizabeth	JEDDAH Eurybates, Jly 27 ADEN Langleetarn, Jly 27 Alex Amarapoora, Jly 28 Amaffric Garpalycus RADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, Tabi KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl City of Newcastle Jly 28 B BUSREH Fort Frederick, Jl ABADAN Wave Governor Honstandell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Barpeta, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Barpeta, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 BEMPIRE Herald, Jl Sin KARACHI Barpeta, Jly 28 BUSHARACHI Barpeta, Jly 28 COUNBO
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly, J TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swa J Oxford F Santiago Nigerstroom PORT HAF Knowlton, S Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly, S T HELEN Norseman ( WALVIS B Fort Pic, Jl TABLE BA Richmond ( Kaituna, JI TABLE BA Dunlop Par Richmond ( Kaituna, JI TABLE BA Dunlop Par Richmond ( Sampan Empire Cate Sampan Empire Cate Sampan Fort Highfi	Haifa  Y 29 Dakar Lagos  I SD  Ball Lagos  I AR  29 N York Bley Liverpool  I SD  I SD  I SP  Table Bay Monrovia AR  Jly 28 London AR  F 29 For Canada I, Jly 27 Amboim Liverpool  I SD  I	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 27 Alex Alex Amarapoora, Jly 28 Amaffric GHarpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Empire Herald, J Sin Wave Governor Hoto Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire British Respect Wave Knight James J. Maguire ABADAN Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Barpeta, Jly 29 Inviken
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly, TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Sw. J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SX Kauldi, Jne BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly, ST HELEN Norseman ( WALVIS B Fort Pic, Jl TABLE BA Richmond ( Kaituna, Jl TABLE BA Dunlop Par Richmond (	Haifa  Y 29 Dakar Lagos  I	JEDDAH Eurybates, Jly 27 ADEN Langleetarn, Jly 27 AMEN Alex Amarapoora, Jly 28 Amaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Empire Herald, J Wave Governor Hot Stanbell Singu Chit Trondheim Avon ABADAN Wave Knight, Jly Empire Herald, J Sin Wave Governor Hot Stanbell Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, J1 Empire Herald, J1 Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Bamora, Jly 28 Inviken KARACHI Bamora, Jly 28 Inviken KARACHI Bamora, Jly 28 Cowrie British Respect Wave Knight James J. Maguire KARACHI Barpeta, Jly 28 Inviken KARACHI Barpeta, Jly 28 Inviken KARACHI Bamora, Jly 29 Inviken KARACHI Bamora, Jly 28 Inviken KARACHI Bamora Inviken KARACHI Bamora Inviken KARACHI Bamora Inviken Inviken Inviken Inviken Inviken Inviken Inviken Inviken In
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly, TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Sw. J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SX Kauldi, Jne BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly, ST HELEN Norseman ( WALVIS B Fort Pic, Jl TABLE BA Richmond ( Kaituna, Jl TABLE BA Dunlop Par Richmond (	Haifa  Y 29 Dakar Lagos  I	JEDDAH Eurybates, Jly 27 Sh ADEN Langleetarn, Jly 27 Alex Alex Amarapoora, Jly 28 Amaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, J Wave Governor Hot Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Counter British Respect Wave Knight James J. Maguire British Respect Wave Knight James J. Maguire British Respect Wave Knight James J. Maguire Counter Samaustral, Jly 28 Bryder Samaustral, Jly 3 Mocean Verity Colombo Milacca, Jly 29 Sir Harvey Adams Tu
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Sw. J Oxford F Santiago Nigerstroom PORT HAF Knowlton, Jly BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly BATA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly TABLE BA Norseman ( WALVIS ST HELEN Norseman ( WALVIS Norseman ( ST HELEN Norseman (	Haifa- y 29 Dakar Lagos t. SD 28 Ls Palmas Lagos t. AR 29 N York dey Liverpool ty 29 Table Bay Monrovia AR Jly 28 London AR y 29 for Canada to Jly 27 Amboim Liverpool to Jly 28 Takoradi rordsman, fly 29 Matadi rort Harcourt Dakar Monrovia RGURT AR Takoradi rordsman, fly 29 Matadi rort Harcourt Dakar Monrovia RGURT AR Takoradi rordsman, fly 29 Matadi rort Harcourt Dakar Monrovia RGURT AR Takoradi rordsman, fly 28 ABEL SD 20 Rio Hava LE SD 20 Rio Hava LE SD 20 Rio Hava LE SD 21 Y 28 AR 27 mco Marques 28 Porsgrunn AR 28 Porsgrunn AR Takoradi AR cable), Jly 29 Takoradi Takoradi Takoradi AR Trinidad Le SD Takoradi Trinidad Preterown Jly 29 Takoradi Trinidad Preterown Trinida	JEDDAH Eurybates, Jly 27  ADEN Langleetarn, Jly 27 Alex Alex Amarapoora, Jly 28 Amaffric Gharpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk, KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, J Sin Wave Governor Hot Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire British Respect Wave Knight July 28 Cowrie British Respect Wave Knight James J. Maguire British Respect Wave Knight July 29 Complex Stanton  Au Empire Herald, Jl  Sin KARACHI Barpeta, Jly 28 British Respect British Respe
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Swo Oxford F Santiago F Oxford F Santiago Oxford F S	Haifa  Y 29 Dakar Lagos  I Sp  Ba Ls Palmas  AR  29 N York  Eley Liverpool  I Sp  I	JEDDAH Eurybates, Jly 27 ADEN Langleetarn, Jly 27 AMEN Alex Amarapoora, Jly 28 Amaffric GHarpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Caroline Mærsk Tab KOWEIT City of Newcastle Jly 27 F KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Trin Empire Herald, Jl Sin Wave Governor Hon Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Au Empire Herald, Jl Sin KARACHI Barpeta, Jly 28 Inviken KARACHI Barnora, Jly 28 Inviken KARACHI Barnora, Jly 28 Inviken KARACHI Barnora, Jly 28 GOCHIN Lourenco Marques Jly 29 Cothin Cochin
Manu, Jly Samalness Penhale, Jl: Amstelkerk Fort Ruper FREETOW Manu, Jly, J TAKORAD Biafra, Jly Mary Kings TAKORAD Karamea, J Tarkwa ACCRA New Texas. LAGOS Cottrell, Jly Nigerstroom Tamele LAGOS Elisabethvil Empire Sw. J Oxford F Santiago Nigerstroom PORT HAF Knowlton, SANTA ISA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly, SANTA ISA Kauldi, Jne LIBREVIL Glimmaren, LOBITO Simoon, Jly Loure Maud, Jly, ST HELEN Norseman ( WALVIS E Fort Pic, Jl TABLE BA Richmond ( Kaituna, Jl TABLE BA Cannon Fort Highfi PORT ELI Kedoe, Jly; Comliebank EAST LON Belle of the JURBAN Bullaren, JI Riebeeck Ca Sieur De Li Sieu	Haifa  Y 29 Dakar Lagos  K 29 Dakar Lagos  K 30 Dakar Lagos  K 4 SP Dakar Lagos  K 50 Dakar Lagos  K 6 SP Dakar Lagos  K 7 SP Dakar Lagos  K 8 SP Dakar Lagos  K 19 SP Dakar Lagos  K 19 SP Dakar Lagos  K 19 SP Dakar Lagos  K 29 Table Bay Monrovia AR Liverpool Liverpo	JEDDAH Eurybates, Jly 27 ADEN Langleetarn, Jly 27 AMEN Aler Amarapoora, Jly 28 Amaffric Harpalycus R ADEN Fort Tadoussac, J BAHREIN Marpessa, Jly 28 8 Niso, Jly 30 Fal BAHREIN Grande Ronde, Jl Marpessa RAS TANURA Mispillion, Jly 28 Tullahoma RAS TANURA Carotine Mærsk, KOWEIT City of Newcastle Jly 27 E KOWEIT Yellow Tavern, Jl Philac City of Newcastle Jly 28 BUSREH Fort Frederick, Jl ABADAN Wave Knight, Jly Empire Herald, Jl Wave Governor Hot Stanbell Fal Singu Chit Trondheim Avon ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire British Respect Wave Knight James J. Maguire ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire ABADAN Sepia, Jly 28 Cowrie British Respect Wave Knight James J. Maguire Sin KARACHI Barpeta, Jly 28 Bempire Noble B BOMBAY Samdaring, Jly 28 GOCHIN Lourenco Marques Jly 28 Hot COCHIN C

Iontreal Iontreal Trieste Action of the property of the Chile delphia Aden Y 26 Tanga Kleinella, Jly 26 London kandria leunion agkong Imouth tagong amouth SD (City of Norwich Davao TSINGTAO AR Kiang Ning, Jne 29 Shanghai Aden Shan, Jne 30 Salt Flat Hongkong Shanghai Shangha Addras Chung Shan, Jne 30
Malta Hai Yu, Jly 2 Canton Seat Malta
e
Malta
e
Malta
e
Malta
e
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Sven Salen, Jly 29
Shanghai
WESTPORT, Oreg AR
Cornell Victory, Jly 24
Vancouver
AR
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Seattle
Milliam Harris Hardy
Shanghai
WESTPORT, Oreg AR
Cornell Victory, Jly 24
Vancouver
AR
Hadley, Jly 23
Hartington
Malta
Milliam Harris Hardy
Milliam Harris Hardy
Milliam Harris Hardy
Shanghai
WESTPORT, Oreg AR
AR
Hadley, Jly 23
Hadley, Jly 23
Hartington
Milliam Harris Hardy
Vancouver
AR
AR
Hadley, Jly 23
Hartington
Singapore
ASTORIA
SD
Boise Victory, Jly 23
Soan Francisco
Trondanger
Ticonderoga, Jly 24
Los Angeles
SAN FRANCISCO
AR chelles Kure alcutta badan AUSTRALASIA ontreal

# AND Pacific Islands

UK

Anderson
Oakland (Cal)
Lookout
Los Angeles Lookout Los Santa Paula Port San Luis Amarillo Victory, Jly 25 Los Angeles Benjamin Chew Los Angeles SD Haym Salomon Los Angeles SAIPAN 18
Nordnes, Jly 19
Suez
GUAM
AR
President Hayes
Solana
Ventura

11 12 18 Cymbula Wellington Felix Grundy Durban Pedro Menendez Wideawake, Jly 29 Marseilles Seattle Benedick, Jly 28 Curacao CAIBARIEN AR MADRAS

Empire Pickwick, Jly 27

Manchester Inchanga, Jly 28
Table Bay Abraham Lincoln
Baltimore James M. Gillis, Jly 29

Baltimore Llandovery Castle Lpool MADRAS

MADRAS

SD

Helbourne

So

Baltimore Llandovery Castle Lpool MADRAS

MADRAS

So

Manukai

Wideawake, Jly 29

Marseilles

Benedick, Jly 28 Curacao

Condesa

London

Cape Wrath

St Vincent (CV)

St Vincent (CV)

St Vincent (CV)

Baltimore

Llandovery Castle Lpool

MADRAS

SD

Campana

Matanzas

Esparta

Havana

Atlantida

Brownsville

Panuco, Jly 5 Veracruz

Cities Service Kool
motor, Jly 27 N York

Gervais

New York

Matanzas

Esparta

Havana

Cape Kumukaki

Panuco, Jly 5 Veracruz

Cities Service Kool
motor, Jly 27 N York

Gervais

New York

Matanzas

Esparta

Havana

Cape Kumukaki

Panuco, Jly 5 Veracruz

Cities Service Kool
motor, Jly 27 N York

Gervais

New York

Matanzas

Esparta

Havana

Cape Kumukaki

Panuco, Jly 5 Veracruz

Cities Service Kool
motor, Jly 27 N York

Gervais

New York

Matanzas

Esparta

Havana

Cape Kumukaki

San FELIX

Campbellton (NB)

Julius Olsen Amsterdam

Capstan Knot, Jly 29

New Orleans

New York

Matanzida

Fortieria Havana

Norres, Jly 28

Carleton Victory, Jly 29

New Orleans

New York

Robin Tuxford Mmbasa

Booker T. Washington Baltimore Castle Lpool
MADRAS SD
MOUNT Douglas Park,
Jly 27 Calcutta
Jalagopal Rangoon
GOCANADA SD
Mikhail Kutuzov, Jly 29
Mikhail Kutuzov, Jly 29
Mikhail Kutuzov, Jly 29
Morston Bay Jly 30

New Orleans
Montevideo
Fort Charnisay, Jly 29
Montevideo
Fort Charnisay, Jly 29
Montevideo
North Devon
Montevideo
Sam Diego
W. S. Miller
Montevideo
Sydney
New Orleans
Montevideo
Fort Charnisay, Jly 29
Montevideo
North Devon
Montevideo
Montevideo
Sydney
New York
Montevideo
Montevideo
Sydney
New Orleans
Montevideo
Fort Charnisay, Jly 29
Montevideo
Montevideo
Montevideo
Montevideo
Sydney
New Orleans
Montevideo
Fort Charnisay, Jly 29
Montevideo
Montevideo
Montevideo
Montevideo
Sydney
New York
Carpinto
Montevideo
Fort Charnisay, Jly 29
Montevideo
Montevideo
Montevideo
Montevideo
Montevideo
Montevideo
Sydney
New York
Carpinto
Montevideo
Fort Charnisay, Jly 29
Montevideo
Morteria Montevideo
Montevideo
Montevideo
Montevideo
Montevi VIZAGAPATAM AR
Roybank, Jly 26
Calcutta
VIZAGAPATAM SD
Roybank, Jly 28
Colombo
CALCUTTA
Mandasor, Jly 26
London, Dundee & Roybank Stagen, Jly 30
London, Dundee & Roybank Stagen, Jly 30
Roybank SD
Roybank SD
Mandasor, Jly 26
London, Dundee & Stagen, Jly 30
Roybank SD
Roybank

Gerarchia Rosario
Pedro Menendez, Jly 19
San Pedro (AR)
Clarence F. Peck
Rosario
Crete, Jly 21 Rosario
Crete, Jly 21 Rosario
Samuel Gompers

Houston
Castle's woods
Louisbourg Park
Comayagua
Mercy Warren
Navajo Victory
Frederick W. Wood Crete, Jly 21 Rosario
Walter Frederick Kraft
Samuel Gompers Crete, Jly 21 Rosario
Walter Frederick Kraft
Rosario
Fort Brandon, Jly 27
London
Southern Opal Curaca
Chubut
Astri, Jly 28 New York
St. Merriel
Buenos Aires
St. Merriel
Antwerp
Buenos Aires
Stanva

Fort Phillip
Sparkling Wave
Salsaas, Jly 28 Barry
Lindenwood Victory
Indauchu
Buenos
Nashua Victory
Indauchu
Buenos
New Orleans
New O GUAM Carl B. Eielson, Jne 1 Manila Marseilles Angol Ventura Talladega New Orleans Angol Ventura Marseilles New Orleans Olave Orleans Olave Orleans Sugarland Sugarland Cienfuegos Sugar

Fort Souris, Jly 27
Buenos Aires
David G, Burnet

Buenos Aires

Buenos Aires

Lillohno

Campo Polarsol Norrisia

Service Store Stor Arauco, Jly 28 Valparaiso
Knut Bakke, Jly 29
Valparaiso
TALCAHUANO SD
Arauco, Jly 27
Punta Aremas
Arica, Jly 29
Lota
PUNTA ARENAS PD
Jly 27
Imperial Monarch.

S. AMERICA

Atlantic Coast

Atlantic Coast

Atlantic Coast

Ballinore

Final Bally 27

Ballinore

Montreal
Montreal
Jly 29
Cristobal
PORT AU PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Cristobal
PORT AU PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Punta Aremas
Montreal
Jly 28
Arica, Jly 29
Punta Aremas
SD
Diamond Hitch, Jly 28
St Croix
PORT AU PRINCE AR
Hermes, Jly 30
Cristobal
PORT AU PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Port Au PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Port Au PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Port Au PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Port Au PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 29
Port Au PRINCE SD
Isaac M. Singer, Jly 30
Montreal
Jly 28
Andalien
Montreal
Montreal
Jly 28
Andalien
Montreal
Jly 29
Port Texaco
Montreal
Montreal
Montreal
Montreal
Montreal
Jly 29
Port Texaco
New York
Marseilles
John Frieden
Marseilles
Arthur Jly 27
Port Texaco
Mobiloil, Jly 25
Marseilles
John Frieden
Marseilles
Jo Achernar, Jue 21
San Francisco
PETROPAVLOVSK SD
Ashkhabad, Jue 4 Seattle
UK
elles
29
den
AR
Coulf via Panama Chal
YOKOHAMA
C

Campana
Gothenburg
Montevideo
Lagos
Havre
Las Palmas
Valparais
Valparais
OCORPUS CHRISTI AR
Atlantic Trader, Jly 24
Baltimore
CORPUS CHRISTI ON
BRITE
Unacc, Jly 6
Calvin Victory, Jlv 27
Gulfport
Oliver Loving N Orleans
Chirripo, Jly 28
Baltimore
CORPUS CHRISTI ON
CANADAM OR
CANADAM O

Arimsen, Ari

AR TAMPICO AR Panuco, Jly 1 Veracruz Angele Higgins, Jly 27 Residente Juarez Jucaro Matanzas Robert Watchorn Brake

Sachem, Jly 23

Baltimore
America Sun, Jly 24
Philadelphia
Julien Poydras Italy
Pure Oil
Pure Oil
Creents Pass, Jly 24

Grants Pass, Jly 24

Creents Pass, Jly 24

Grants Pass Jly 24

Creents Pass Jl

Galveston San

Roband Hitch Carlsbad, Jly 29 Portland (Me)

Sachem Mark Hanna Toussaint Louverture

New York
Kirkenes, Jlv 27
New York
Grants Pass New York
NEW ORLEANS AR
Stanvac Calcutta, Jlv 2
Jlv 24

Esse Philadalphia

New York
Kegums France
Jly 29 Europe
Canada
Merida Cuba
Montebello Hills
Galveston

Gdansk
France
San Juan (PR)
Sapulpa Victory Helsinki
Cape Matapan
Dalvangen Demerara
Marine Eagle Phladlphia San Miguel
William B. Ogden

> AR Bloomington Victory Buenos Aires Cape Spencer Maracaibo Cheticamp

put in hand by the master without consulting us. Approximate cost of repairs stated by repairers to be 250,000f.— Lloyd's Agents per Salvage Association. (See issue of July 27.)

ALGIC.—Cape Town, July 30.—Steamer Algic, arriving here to-morrow (from Beira and Durban), has encountered heavy weather and has steering gear damaged.

ARTHUR L. PERRY.—See J. E. Gorman ALTIC. — Balboa, July 29. — Motor tanker Baltic left here to-day. (See issue

BAN HONG LIONG.—Singapore, July 23. —The superintendent engineers of British steamer Ban Hong Liong report that they have received a wireless message stating that one blade of vessel's propeller has been lost at sea. It is understood that the Ban Hong Liong is on voyage from Palembang for Soura-baya with coal. Vessel is being diverted to Batavia, where it is recommended that part cargo be discharged from after holds to tip the vessel to enable spare blade to be fitted. (Note.—Ban Hong Liong arrived at Batavia on July 23.)

BRITISH GUARDSMAN -Pernambuco July 22.—Tank steamer British Guardsman was surveyed here on July 14 in consequence of having grounded on soft mud in Ceara Bay on July 10 and floated off with the tide. No damage

was found.

BRULE.—See "The Atom Bomb Test at Bikini" under "Miscellaneous."

GABO SACRATIF.—Lisbon, July 25.—

Spanish steamer Cabo Sacratif left here yesterday for Vigo. (See issue of

COTTICA.—Cristobal, June 29.—Dutch steamer Cottica was surveyed here on June 25 to ascertain damage stated to have been sustained through surging against piles of the Costa Rica Railway Pier at Port Limon on June 24. Four shell plates were found to be set in, eight frames and eight beam knees buckled and 10 'tween deck cement chocks broken. Temporary repairs were effected caulking. (See issues of June

COTTRELL .- Cape Town, July 23 .-Steamer Cottrell was surveyed here on July 10 and subsequent dates to ascer-tain damage stated to have been sustained through heavy weather on July 6 between Durban and Port Elizabeth. Vessel was found to have plates Nos. 16 and 17 in sheerstrake and J strake and No. 3 plate in Ja strake indented, and france, heavy, and beautiful france, heavy, and beautiful france, heavy, and strake indented, and france heavy, and strake indented, and frames, beams and beam knees in way distorted. Starboard forward lifeboat was stated to have been lost. Fifty-two slightly approximately 10 slightly leaking seam were caulked, permanent repairs remaining to be carried out at owners' convenience. (See

carried out at owners' convenience. (See issue of July 16.)

DEJEFORS.—Oulu, July 30.—Finnish motor vessel Dejefors, cargo bricks, sank near Kemi Light-vessel on July 28.

DONAGILLA.—Cape Town, July 23.—Motor tanker Donacilla' was surveyed here on July 17 and subsequent dates to ascertain damage stated to have been sustained through heavy weather between July 6 and 8. Fifty shell rivets were renewed, 40 rivets and 6 ft. of plate seam caulked, broken steam pipe to after deck winch repaired and windlass. after deck winch repaired and windlass exhaust valve spindle renewed. Distorted forecastle head guard rail, forward dernick crutch, stanchion and six pipe cups, &c., remain to be dealt with at Owners' convenience. (See issues of July 16 and 18.)

July 16 and 18.)

DUNKERY BEACON. — Liverpool, July 30.—Steamer Dunkery Beacon reports that bunker coal in port bunker reserve bunker was observed to be on fire towards the bottom of the bunker at 3 p.m. on July 17. The burning coal was worked out of the bunkers by ship's coal in the property of the p crew, some being used in furnaces and some being discarded. On arrival at Bona some being discarded. On arrival at Bona all coal in port lower reserve bunker was moved into lower cross bunker, which was empty at the time. Ship's crew and shore labour employed. Vessel was surveyed. Shell bulkhead was found buckled by heat. A quantity of coal was lost by fire and remainder of coal in space suffered 25 per cent. depreciation. A number of rivets were found to be leaking. Certificate of seaworthiness was granted. (See issues of July 19 was granted. (See issues of July 19

EL SALVADOR VICTORY.—Los Angeles, July 26.—Steamer El Salvador Victory, New York for Los Angeles, San Fran-cisco, Oakland, Portland, Oreg., and Seattle, was on fire about 12 miles off Magdalena Bay, Mexico, according to advices received here from the United States Coastguard. Fire was got under

control and was confined to one hold. Vessel is proceeding under her own power.—New York Maritime Associa-tion. (See issue of July 29.) San Francisco,

July 29.—Steamer El Salvador Victory

arrived at Los Angeles on July 27.

EMPIRE SCOTT.—Durban, July 30.—

Steamer Empire Scott (from Genoa) had unexplained explosion occur last night in vicinity of saloon pantry, posnight in vicinity of saloon pattry, possibly under deck, causing local damage to bulkheads, doors, &c., but no apparent structural damage. No signs of burning and cargo of matches in vicinity apparently undamaged. parently undamaged.
EMPIRE SUCCESS.—Beira, July

MPIRE SUCCESS.—Beira, July 24.—Steamer Empire Success (Mombasa for London) was surveyed here on July 22 in respect of fire in port side permanent bunker. It was stated that fire was noticed in the bunker on July 19 and ship's hoses were played on the heated coal and about 150 tons of coal were moved to reach the seat of the fire. Fire was extinguished on July 21. fire. Fire was extinguished on July 21 No buckling or distortion of deck or casing plating was apparent and a certiof seaworthiness was issued

ERNESTO.—See Robert E. Peary. FALKENES.—Stavanger, July 23.—Motor vessel Falkenes, ex German MULHEIM RUHR, which has been lying here for some time with stern frame broken, has been transferred to the Norwegian State. The vessel is now to be towed to Rotterdam, for repairs, by the Dutch tugs Blankenburg and Schelde, which arrived here this morning. (See MULHEIM RUHR in issue of Oct. 26)

Blankenburg and Schelde, which arrived here this morning. (See MULHEIM RUHR in issue of Oct. 26.)

FORT PIC.—London, July 30.—The managers of the steamer Fort Pic have received the following messages:

From the master via Portishead Radio, dated July 28; Heavy weather damage last night, shelter deck and sheerstrake badly split. Vessel is not safe to proceed in her present state, proceeding to Walvis Bay.

From their agents dated Walvis Bay, July 29; Fort Pic arrived on July 29, bunkers remaining 590 tons. One sheerstrake plate split full width diagonally and open \( \frac{1}{2} \) in., one deck

one sheerstrake plate spint thin within diagonally and open \(\frac{1}{2}\) in., one deck seam open full width and deck stringer plate cracked 2 ft., all on starboard side No. 3. British Corporation surveyor recommends transferring 900 tons of cargo from upper holds to equalise strain after shifting 450 tons of bunkers to ermanents and then weld doublers over

FORT THOMPSON.—Rotherhithe, July 30 FORT THOMPSON.—Rotherhithe, July 30.
—At 5 40 p.m. vesterday a tarpaulin sheet covering No. 2 hold of steamer Fort Thompson (from Lome), berthed at Brunswick Yard, Surrey Commercial Dock, was damaged by fire. Fire was extinguished by crew at 5 45 p.m. with extinguishers. Fire brigade attended.
FRANCIS B. OGDEN.—Dover, July 30.—Steamer Francis B. Ogden: National Fire Service completed pumping operations at 10 p.m. yesterday and vessel proceeded from The Downs at 11 30 p.m. (See issue of July 30.)
FRESIA. — Valparaiso, July 17.—Chilian

FRESIA. - Valparaiso, July 17.- Chilian RESIA. — Valparaiso, July 17.—Chilian steamer Fresia was surveyed here on July 12 and subsequent dates, while in dock for periodical inspection, to ascertain damage stated to have been sustained through fouling lighter buoy when mooring at Tocopilla on June 27. Three bronze blades of starboard propeller were found to have tips and edges bent back and metal split and were temporarily repaired pending fitting of new porarily repaired pending fitting of new blades which are being cast.

G. W. GOETHALS.—Charleston, July 29 —Steamer G. W. Goethals floated last night with tug assistance; no apparent damage. (See issue of July 30.)

ATINEAU PARK. — St. John's, NF., July 30.—Steamer Gatineau Park, Montreal for Wabana, in ballast, put in here on July 29 with low pressure cylinder trouble. GATINEAU PARK.

GERASSIMOS VERGOTTIS. -July 30. — The London agents of the owners of the steamer Gerassimos Vergottis have received the following cable from their agents at Havre, dated July 29: Master telegraphs: Arriving in Hayre Roads about 11 o'clock to-night with 28 ft 6 in draught and 8 deg 28 ft. 6 in. draught and 8 deg Have telegraphed advising him to try to obtain steam and anchor in the roads, also pump out water so that tomorrow French tugs may take her into 
port and put her alongside quay with 
cranes for discharging. (See issue of 
July 29.)

GLANOWEN. - Penzance, July 29. Defective parts of machinery of steamer Glanowen were brought ashore, made good and refitted yesterday and the vessel proceeded same day to Bilbao.

(See issue of July 29.)
GREY BEAVER.—Cleveland, Ohio, July docked and surveyed. Fifteen bottom plates set up, of which 10 renew and five off and on; estimated cust \$27,487 —Salvage Association's Surveyor. issue of July 29.)

Trawler Grimsby Town: Salvor has definitely given up salvage operations.— Lloyd's Agents per Salvage Association. (See issue of July 18.) HARTLAND POINT.—Haifa, July 26.—

British steamer Harland Point was surveyed here on July 12 and subsequent dates in consequence of fractured Weir pump steam distribution valve box, stated to have been sustained through a depth charge having been dropped near the vessel by the Haifa Port Marine Politic in superstiment of the possible of the politic in superstiment of the politic in superstiment.

near the vessel by the Haifa Port Marine Police, in operations to locate possible terrorists. A complete new valve box was fitted to surveyor's satisfaction.

HERMAN FRASCH.—New York, July 29.
—Steamer Herman Frasch, striking submerged object in July: Scattered shell rivels and plate seams weld, tanks steam, clean and test, together with sundry damages; cost, including dry dock charges, \$3975.—Salvage Association's Surveyors.

Surveyors.

IERON (s.v.). — Blackwall, July 30.—

While the sailing barge Heron, of London, owners Such & Schooley, was lying at anchor off Lamberts Dock Hoist, Beckton, at 1 a.m. to-day, a deeply loaded dumb barge, particulars unknown, which was adrift and driving upriver unattended, collided with the Heron, causing damage to stern and iron stern band.

ICAPECRÓWN. — New York, July 29.— HERON (s.v.).

HOPECROWN. — New York, July 29. —
Motor vessel Hopecrown: Merritts
arrived afternoon of July 28 on Lloyd's
form "no cure no pay" terms.—Salvage Association's Surveyors. (See issue

HUGHES (warship).—See "The Atom Bomb Test at Bikini" under "Miscel

laneous."

IMPERATCR (aux.).—London, July 30.

—In reply to inquiry, Lloyd's Acting Agent at Havana writes under date of June 18: Auxiliary schooner Imperator has been considered a total loss. It is understood that only the motors were salved and that these were salved and the those were salved as the those were salved salved and that these were either sold or ceded to the Cuban Navy. ('argo, consisting of general merchandise, was sold to a dealer, who undertook neces sary salvage work. (See issue of Feb. 1.

J. E. GORMAN. — Seattle, July 29.— Steamers J. E. Gorman and ARTHUR L. PERRY were in collision on July 27 in the vicinity of Cape Flattery. Both vessels proceeded to Scattle with bow JAMES W. JOHNSON.—New York, July

AMES W. JOHNSON.—New York, July 29.—Steamer James W. Johnson, collision with steamer MERCER VICTORY in June: Eleven shell and deck plates renew, bulwarks, frames, beams and brackets straighten and part renew, one anchor repair, together with sundry damages; lowest tender \$14,934.—Salvage Association's Surveyors, (See issue of July 10.) KLOVERTRE. - Portishead Radio, July

of July 10.)

KLOVERTRE. — Portishead Radio, July 30.—The following message has been received from British motor vessel Drina, timed 12 1 a.m., July 30: At 11 30 p.m., G.M.T., Julv 29, Norwegian motor tanker Klovertre (Dakar for Tunis), in distress with lost propeller in position lat. 22 50 N., long. 17 43 W., requests tow to Dakar. 490 miles; am standing by.

— Portishead Radio, July 30.—Following received from motor vessel Drina, timed 9 24 a.m.: Commenced towing loaded Notwegian motor tanker Klovertre at 8 15 a.m., G.M.T.; expect to reach Dakar p.m., Aug. 1.

L.S.T. 519.—New York, July 29.—American L.S.T. 519, in collision with tug MASCOT in July: Shell plating, transverses and framing part renew, together

verses and framing part renew, together with sundry damages; approximate cost \$4200.—Salvage Association's Surveyors.

MASCOT.—See L.S.T. 519

MERCER VICTORY .- See James

MULHEIM RUHR. See Falkenes.

NAGATO (warship). — See "The Atom
Bomb Test at Bikini" under "Miscel-

laneous,"
NEGLEY D. COCHRAN.—Buenos Aires,
July 29.—Steamer Negley D. Cochran
left Necochea on July 27 for Buenos
Aires. (See issue of July 9.)

Nest Netwere Aires. (See issue of July 9.)

NESPELEN.—Boston, July 26.—United
States Navy (anker Nespelen, New York
for Argentia, NF., put into this port

to-day for emergency repairs. — New York Maritime Association. NEW YORK (warship).—See "The Atom Bomb Test at Bikini" under "Miscel-laneous."

NORDIC.—See Aghios Nicolaos (lighter). OSRIC.—Christiansand, July 26.—Steamer Osric left here to-day for London. (See

vessel P. A. G. 2 sank at entrance to River Dee this afternoon. (See issue of

tudinals straighten and part renew, tanks steam, clean and test, together with sundry damages; approximate cost, including dry dock charges, \$6200.

GRIMSBY TOWN.—Reykjavik, July 29.

—Trawler Grimsby Town: Salvor has definitely given up salvage operations.—

PENNSYLVANIA (warship).—See "The NEW ZEALAND STAR.—6 p.m., 43 00 N., 09 24 W.; NNE., mod.; cloudless; bar. 30 21.

PENSACOLA (warship).—See "The Atom Bomb Test at Bikini" under "Miscel-

RICE VICTORY,—Cartagena, Col., July 24.—American steamer Rice Victory went aground at Boca Chica, Cartagena Bay, at 9 34 a.m. on July 19. Colombian Navy tanker Cabimas was put alongside and oil was pumped from the Rice Victory's No. 1 bottom tank and the vessel was reflected at 1.49 nm on July 20. was refloated at 1 49 p.m. on July 20. Cargo and vessel apparently undamaged. (See issues of July 22 and 25.)

ROBERT E. PEARY.—Marseilles, July 27.
—American steamer Robert E. Peary
was in collision with Italian steamer
ERNESTO at about 10 40 p.m. on
July 9 and sustained damage to hull and framing on starboard bow, slightly aft of collision bulkhead, extending 30 ft. down from deck. It also appears that some of the coal cargo in No. 1 hold was washed away. Temporary repairs are now in hand. (See issue of July 17.)

SALT LAKE CITY (warship).—See "The Atom Bomb Test at Bikini" under "Miscellaneous."

SARATOGA (warship).—See "The Atom Bomb Test at Bikini" under "Miscel-laneous"

SEAMAN. - See Sirehei (hulk). SILVERBOW VICTORY. — Portland, Oreg., July 29.—Steamer Silverbow Vic-tory, outward bound, partially loaded, grounded at the mouth of the Columbia

TEAKBAY.—Cleveland, Ohio, July 29.— Steamer Teakbay, loaded coal consigned to Montreal, is ashore in the vicinity of Cape Vincent, Upper St. Lawrence, in Cape Vincent, Upper St. Lawrence, in moderately exposed position and leaking in No. 1 ballast tank. The owners of the vessel have requisitioned the Pyke Salvage Company with a view to lightening.—Salvage Association's Sur-

veyor.

THE CABINS.—Balboa, July 29.—Turboelectric tanker The Cabins, Texas City
for Pearl Harbour, with full cargo of
navy fuel oil, which passed through the
Panama Canal on July 26, is delayed at
Balboa effecting condenser repairs.

THRIFT. — Blyth, July 30. — Steamer Thrift, of Aberdeen, when moving to loading berth last night, struck cement quay, South Harbour, damaging rudder; survey being held this afternoon.

TRANSLAKE .- Montreal, July 30 .- Tank

steamer Translake, Sydney, N.S. for Sault Ste, Marie, cargo (ar, went ashore to-day off Point Dulac, Lake St. Peter.

TYNEMOUTH. — Helsinki, July 26. —

yewmount.—Goole, July 30—Motor vessel Yewmount left here on July 29 for Portsmouth. (See issue of July 29.)

for Portsmouth. (See issue of July 29.)
FERRY SUNK BY COLLISION NEAR
CARUTHERSVILLE, MISSOURI
(hicago, July, 29.—Powell Ferry (ompany's automobile ferry was struck by oil barges in tow on the Mississippi River, near ('aruthersville, Missouri, on July 28.
Ferry sank, 15 passengers presumed drowned, 10 others missing,
Caruthersville, Missouri, July 29.—Rivermen searched the Mississippi here for the bodies of at least 10 people believed to have been drowned in a collision between a ferry and two oil barges. Thirteen other

ferry and two oil barges. Thirteen other passengers on the ferry were saved after she had tipped over, throwing five vehicles and their passengers into the water. One five-year old boy died after being rescued.

#### WEATHER AND NAVIGATION

Valentia Radio, July 30.—Following received from steamer Edward Richardson at 6 50 a.m., G.M.T.: At 5 p.m., G.M.T., July 29 passed red conical buoy with cage marked "1/C" with white letters, in posi-

MINES REPORTED

At 4 14 p.m., G.M.T., by steamer Egee in position lat, 50 04 30 N., long, 00 07 30 E.

SEAHAM HARBOUR

WHITE SEA-BALTIC CANAL Moscow Radio, July 30. — The White sea-Baltic Canal has been reopened.—

We have received from the Meteoro-logical Office the following wireless reports, dated July 29, from vessels in the North Atlantic. The times given are G.M.T.:— AKAROA.—Noon, 43 42 N., 19 48 W.; NNE, light; cloudy; bar. 30 42. 6 p.m., 42 54 N., 21 42 W.; NNE, gentle;

patches: bar, 30 45.
EMPIRE MACALPINE - 6 p.m., 53 48
N., 36 54 W.; NW., gentle; overcast;
bar, 30 00. Midnight, 53 48 N., 34 48
W.; W., gentle; partly cloudy; bar,

KELMSCOTT .-- Noon, 51 18 N., 15 18 W.;

RECORDER .- 6 p.m., 50 36 N., 11 24 W. WSW., mod.; overcast; bar, 30 24.
SAN (TRILO.—6 a.m., 52 00 N., 26 18.
W; SW., fresh; fog patches; bar, 30 18.
SAN VERONICO.—Noon, 55 12 N., 18 00
W; WSW., fresh; overcast; bar, 29 92.
6 p.m., 54 18 N., 20 12 W.; SW., mod.
gale; slight drizzle; bar, 29 83.

SOCOTRA,—6 p.m., 47 12 N. 06 42 W.; WNW., gentle; overcast; bar. 30 09. Midnight, 48 24 N., 05 42 W.; WNW.,

TORR HEAD.—Noon, 56 30 N., 22 12 W.; WSW., mod.; slight rain; bar, 29 80, 6 p.m., 56 30 N., 24 42 W.; WSW.,

#### MISCELLANEOUS

mod.; thick fog; bar. 29 62.

Glasgow, July 30.—Stevedores at Tweed Dock, Berwick, have gone on strike over a wages dispute while unloading a cargo phates. Discussions are taking The Glasgow Herald."

grounded at the mouth of the Columbia River on July 28.

SIREHEI (hulk).—Spurn Head, July 29.

—Block ship Sirehei, which was beached on Trinity Sands, was in tow of tug SEAMAN. (See issue of July 30.)

TEAKBAY.—Cleveland, Ohio July 20.

THE ATOM BOMB TEST AT BIKINI San Francisco, July 29. — A bulletin received here from Bikini reports that the battleship NAGATO has sunk. Nobody could approach within 100 ft. of the sink-

VANIA is down by the stern and the cruiser PENSACOLA is listing, her bow almost submerged and her funnels wrecked. The cruiser SALT LAKE CITY has a heavy list to starboard, while the battleship NEW YORK and the transport Thrift, of Aberdeen, when moving to loading berth last night, struck cement quay, South Harbour, damaging rudder; survey being held this afternoon.

\*\*HORSHAMMER.\*\*—Sandefjord, July 24.\*\*—The lire on board the oil refinery Thorshammer yesterday broke out in the forehold, containing ropes, and spread to the factory deck. A quantity of cases of matches and cigarettes took fire. The fire was presumably due to burning operations which were being carried out on the vessel's side.—"Bergens Tidende." (See issue of July 30.)

\*\*RANSLAKE.\*\*—Montreal, July 30.\*\*—Tank steamer Translake, Sydney, N.S. for Sealt.\*\*

Translake, Sydney, N.S. for Sealt.\*\*

\*\*Settement of Aberdeen, when moving to battleship NEW YORK and the transport BRULE are also listing. Salvage operations on other craft are being continued. One destroyer, one transport and one submarine have been beached. These and other smaller craft on the beach are being sprayed with sea water and fire-fighting chemicals in an effort to clear them of radio-active material, but so far with little success. Instruments which measured the blast, shock and wave action during Thursday's explosion are now being recovered and examined. Scientists believe the wave did much of the damage suffered by the carrier SARATOGA, which was sunk, and the transport and one submarine have been beached. These and other smaller craft on the beach are being sprayed with sea water and fire-fighting chemicals in an effort to clear them of radio-active material, but so far with little success. Instruments which were being chemicals in an effort to clear them of radio-active material. Success. Instruments which were being continued.

# NON-MARINE

## FIRES

Georgetown, B.G., July 29.—Damage by fire occurred yesterday morning to building, furniture and personal effects, the property of William Correia, Lot Sixty. five, Fifth Street, Georgetown, when a film situated in the same premises ex ploded. Stored in the same vault were "A" films, the property of India Overseas Film Distribution, Ltd., Bombay, which are reported to be insured at Lloyd's.—

### CASUALTIES TO AIRCRAFT

the CRASH AT COLLINSTOWN AIRPORT,

London, July 30 .- Shortly after taking off from Collinstown Airport, Co. Dublin, on the return flight to England, a private

6 p.m. Drina.—22 50 N, 17 43 W, Jly 29, 11 30 p.in. Edward Richardson.—49 00 N., 23 50 W.,

6 p.m. Mahia.—37 18 N. 14 24 W. Jly 29, 6 p.m. Makalla.—42 06 N. 09 36 W. Jly 29, 6 p.m. Monarch of Bermuda.—Portishead, Jly 29,

6 p.m. San Cirilo.—52 00 N, 26 18 W, Jly 29,

San Veronico.—54 18 N. 20 12 W, Jly 29, 6 p.m. Socotra.--48 24 N, 05 42 W, Jly 29, mid-Thamesfield.—39 12 N, 31 30 W, Jly 29

Torr Head.-56 30 N, 24 42 W, Jly 29, 6 p.m. Wave Monarch.—Portishead, Jly 29, 6 42 p.m., due Sheerness Aug 1, 6 a.m.

CROMBIE, Br. 118. Jamieson, Antwerp, Wandsworth Creek, Dundee, Perth & London Shipping Co. ESSEX TRADER, Br. 4292, Young, Fort Churchill, Greenwich Bys., E. R. Mund

KASTE, Fi, 1059, Lindberg, Leningrad via

OLNA FIRTH, Br. 273, Paterson, Aut-

LLOYD'S LIST Page Wed., July 31, 1946 17

### LONDON CUSTOM HOUSE

ENTERED IN

Rotation Number Vessel, Flag. Net Tonnage, Master, From, Station, Agents or Brokers.

2926 SEVEN PINES, Am, 6107, Klink-hamer, Aruba, Thames Haven, Anglo-American Oil Co.

FRUITVALE HILLS, Am Schjong, Curacao, Thames Anglo-American Oil Co.

July 29 2916 ABILITY, Br. 461, Jarvis, Delfzyl, Royal Albert Dk. Hsts., F. T. Everard

& Sons.
2917 EMPIRE IMP (tug), Br.
Strange, Calais, Gravesend Bys., C. Rowbotham & Sons.
2920 JOSIAH A. MITCHELL, Br., 990,
Talbot, Dublin, Tunnel Cement Wf.,
Wm. France, Fenwick & Co.
2919 OLAVUS, Br., 759, Towler, Rouen,
Bevan's Wf., Galbraith, Pembroke & Co.
2915 SAMSPRING. Br., 4380, Davies,
Port, au Prince, King George V. Dk.,

July 30 2932 CASTOR, No. 1038, Pettersen, Trondheim & Bergen, Regent's Canal Dk., S. L. A., Ltd. 2931 DESEADO, Br. 5772, Ingram, Buenos Aires, Victoria Dk., Royal Mail

Lines.

GANNET, Br. 619, Langley, Ham-2930 GANNEL, Br. 619, Langley, Hamburg, Tilbury Dk., Clemt.
2933 MARGA, No. 933, Larsen, Risor, Gravesend, S. L. A., Ltd.
2934 NORDEN, Sw. 274, Waller, Rotterdam, Willson's Wf., British & Northern Shipping Agency.
2928 SUECIA, Sw. 2422, Lindhe, Gothenburg, Miliwall Dk., British & Northern Shipping Agency.

Co. VLIESTROOM, Du. 289, Visser, Reykjavik, Fenning's Wf., British & Foreign Maritime Agencies.

ENTERED OUT For, Vessel, Flag, Tonnage, Master, Station, Agents or Brokers

July 30

ANTWERP, Themston, Br. 283, Hewetson, Regent's Canal Dk., Instone Lines, BRUSSELS, Zeus, Du. 95, Waker, London Dk., Brussels S.S. Co. CEARA & PARA, Uffington Court. Br.

Olsen, Mark Brown's Wf., United Shipping Co.
DIEPPE, West Coaster, Br, 155, Horsham,
London Dk., G. S., N. Co.
DORDRECHT, Capella, Du. 126, R Isthoven, Tunnel Wf., West Thurrock,
Freight Express, Ltd.
JERSEY & GUERNSEY, Saxon Queen,
Br, 264, Williams, Free Trade Wf.,
British Channel Islands Shipping Co.
MALMO & HELSINGBORG, Warjo, Sw.,
301, Lindberg, Willson's Wf., British &
Northern Shipping Agency.
MELBOURNE, HOBART, SYDNEY &
BRISBANE, Port Faire, Br, 5170, Brsdley, King George V. Dk., Port Line
ROTTERDAM, Bullfinch, Br, 194, Mace,
Regent's Canal Dk., G. S. N. Co.
ROTTERDAM, Firecrest, Br, 259, Lucas,
Bellamy's Wf., S. Cafer & Co.
ROTTERDAM, Oranjepolder, Du, 442,
Harst, Custom House Qy., W. H. Muller
& Co.

ST. JOHN'S (NF.) & MONTREAL, Prins Willem IV., Du. 806, Helsdinger, Tunnel Cement Wf., Grand Union (Shipping).

Vessel, Flag, Net Tonnage, Master, For, Station, Agents or Brokers July 29

TORE JARL, No. 886, Getz, Antwerp, Barcelona & Piraeus, Millwall Dk., Nor-denfjeldske S.S. Services.

Manarch of Bermuda.—Portishead, Jly 29, 6 p.m.

New Zealand Star.—43 00 N, 09 24 W,
Jly 29, 6 p.m.
Noah Brown.—50 42 N, 00 41 E, Jly 28,
10 35 a.m.

Recorder.—50 36 N, 11 24 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,
San Cirilo.—52 00 N, 26 18 W, Jly 29,

UFFINGTON COURT. Br, 2986, Fair-

UFFINGTON COURT. Br. 2986, Fairweather, Ceara & Para, Swanscombe Cement Works, Moxon, Salt & Co. WARJO, Sw. 301, Lindberg, Malmo & Helsingborg, Willson's Wf. British & Northern Shipping Agency.
WEST COASTER, Br. 155, Horsham, Dieppe, London Dk., G. S. N. Co. ZEUS, Du. 95, Waker, Brussels, Ldn. Dk., Brussels S.S. Co.

CLEARED IN BALLAST

FRUIT VALE HILLS, Am, 6261, Schjong, Trinidad, Thames Haven, Anglo-Ameri-can Oil Co.

AUNE II., Fi. 1129, Sundqvist, Helsinki via Grangemouth, Surrey Commercial Dk., H. Lange, Bell & Co. CLAN LAMONT, Br, 5702, Houghton, Danzig via Leith, Tilbury Dk., Cayzer, Irvine & Co.

(Continued in preceding column)

YORK SD Nespelen, Jly 26 N York for Argentia achus, Jly 28 Pirates & Straits Portland (Mc) Jellico Seam New York Lawrence Victory Gothenburg ace E. Pratt Houston of Agra Calcutta Pittsburgh Atreco ers Ferry Aruba in Opaline Port Arthur

20

21

Chagres Norfolk Lawrence Victory Philadelphia Do. K. Service V. Jly 29 Philadelphia Norfolk Aruba Gulfdisc Port Arthur

22

Nellie A. Chett Gloucester City Swansea Dalwarnic Port Affred Manchester Commerce, July 29 Manchester Commerce, NEW YORK Randa, Jly 24 Telemachus, Jly 28 Tagger Seam, Yaka Marine Leopard Manila Marine Leopard
Dalton Victory
Gothenburg
Wallace E. Pratt
Houston
Kelso Victory
Honolulu

(before reported sailed for Montreal)
Marit II., Jly 29

BOSTON

New York
Trimont Montreal
O. K. Service V., Jly 29
BOSTON Socony Vacuum
Beaumont
Hampton Roads
Chairle Esso Bullato, 37, 29
Las Piedras
Thomas B. Robertson
Philadelphia

Chancellorsville Houston
Coaldale Victory, Jly 29
James River
Coastal Defender,

M. & J. Tracy coastwise Philadelphia Craigsmere coastwise Esso Buffalo LasPiedras

Craigsmere coastwise
ALBANY, NY AR
Bernhard Ingelsson,
Jly 28 Soderhamn
Winthrop Victory
Stockholm
PROVIDENCE SD
Vera Cruz, Jlv 25
Port Arthur
Tiverton, RI Ar
Roxbury Hill, Jly 24
Providence
Providence
SOSTON
AR
Nespelen, Jly 26
Nespelen, Jly 2

Houston City of Agra Calcutta
Esso Pittsburgh Atreco
Harpers Ferry, Aruba
Sinclair Opaline
Texas City
Allegheny Victory
Newport News
Dingwall
Dingwall
(before reported sailed Cheenseles)

Houston Kelso Victory
Stockholm
Gulfdisc Port Arthur
Harald Torsvik Bremen
Joseph A. Brown Kemi
Marine Leopard, Jly 29
New York
Trimont
Montreal

Curacao Boston Esso Buffalo, Jly 26 SD

Hampton Roads
Corpus Christi
Esso Bayway
Corpus Christi
Leerdam Philadelphia
Christi Hampton
Corpus Christi
Condestrom ford
Corpus Christi
Condestrom ford
Corpus Christi
Chr Flying Dragon Havre Stephen W. Kearney Genoa Groat Thomas B. Robertson Philadelphia

Delitary
PORTLAND, Me SD
Carlsbad, Jly 27
New York
Abiqua, Jly 28
PARRSBORO
AR
Wicklow Head, Jly 27
Barry
HALIFAX
Frank Dale, Jly 27
Lady Rodney, Jly 28
Southampton
Canadian Observer, Jly 29
Arthur Cross, Jly 1
SYDNEY, NS
AR
Arthur Cross, Jly 1
SYDNEY, NS
AR
Armoricain (s.v.), Jly 3
Armoricain (s.v.), Jly 5
Armoricain Prince, Jly 28
Armoricain

Niton Radio, July 28.—Mines have been reported to-day as follows:—
At 10 35 a.m., G.M.T., by steamer Noah Brown in position lat. 50 42 N., long. 00 41

THORSHAMMER.—Sandefjord, July 24.

—The fire on board the oil refinery Thorshammer yesterday broke out in the forehold, containing ropes, and spread to the factory deck. A quantity

TYNEMOUTH.— Helsinki, July 26.—
Steamer Tynemouth left here on July 24
for Hamina. (See issue of July 17.)
URRACA.—Balboa, July 29.—Steamer
Urraca left here on July 27. (See issue

of July 23.)

WILLIAM WIRT.—New York, July 29.—

Steamer William Wirt: Propeller shaft and bronze propeller renew, bush rewood, rudder remove and repair, together with sundry damages; cost, including dry dock charges, approximately \$25,550.—Salvage Association's Surveyors. (See issues of July 22 and 27.)

July 30.)

PAN-RHODE ISLAND.—New York, July 29.—Tank steamer Pan-Rhode Island. grounding in April, 1944: One plate renew, five fair, bulkheads and longistudinals steamer and longistudinals steamer and longistudinals steamer and longistic longisti

tion lat. 49 00 N., long. 23 50 W.

Seaham, July 29.—Dock will be closed from July 29 until Aug. 3.

ATLANTIC WEATHER REPORTS

cloudy; bar, 30-39.
ATHELPRINCE.—Noon, 44-48 N., 20-00 W.; NNE., light; fog; bar, 30-45. 6 p.m., 44-12 N., 21-12 W.; N., light; fog

30 06. gentley partly colony, 5an, 5an EMPIRE MACCALLUM.—6 a.m., 55 36 N., 09 00 W.; WSW. mgd.; partly cloudy; bar. 29 83.

EMPIRE MACRAE.—6 a.m., 52 12 N., 18 00 W.; W. fresh; overcast; bar. 30 12. Noon, 51 42 N., 14 12 W.; SW., strong; overcast; bar. 30 12.

FORT TICONDEROGA.—6 a.m., 49 00 N., 31 12 W.; SW., by W., mod.; drizzle and fog; bar. 30 30. Noon, 48 30 N., 32 36 W.; SW., fresh; fog patches; bar. 30 24.

KELMSCOTT.—Noon, 51 18 N., 15 18 W.; W., fresh; slight drizzle; bar. 30 21. 6 p.m., 51 00 N., 13 12 W.; W., fresh; slight drizzle; bar. 30 18. MAHIA.—6 p.m., 37 18 N., 14 24 W.; NNE., fresh: cloudy; bar. 30 09. MAKALLA.—Noon, 43 12 N., 09 30 W.; NE., mod.; cloudy; bar. 30 27. 6 p.m., 42 06 N., 09 36 W.; N. by E., strong; cloudless; bar, 30 12.

Wismar, Surrey Commercial Dk., H. Lange, Bell & Co.
MARDENA (aux. yacht), Br. 123, Saul,
Vancouver, London Dk., Kinnersley

gentle; overcast; bar. 30 06.
THAMESFIELD—Noon, 39 42 N., 31 12
W.; NE. by E., mod.; cloudy; bar. 30 45. 6 p.m., 39 12 N., 31 30 W.; ENE., mod.; cloudy; bar. 30 42.

STRIKE OF STEVEDORES AT BERWICK

could approach within 100 ft. of the sinking vessel in consequence of the warship remaining extremely radio active.—
Exchange Telegraph Company.
Bikini, July 29.—(loser inspection of the target fleet in Bikini Lagoon is now possible, and reveals much damage to several ships. The battleship PENNSYL-VANIA is down by the stern and the

badly crippled and beached. Times" Correspondent.

BUSINESS PREMISES, GEORGETOWN, BRITISH GUIANA

on the return hight to England, a private 'plane owned by 'Gordon Richards, the jockey, and piloted by Captain Wigmore, crashed and damaged a wing and undercarriage. The pilot escaped with a few bruises.—" Morning Advertiser."

Hy 29, 5 p.m.

Egee.—50 04 N, 00 07 E, Jly 28, 4 14 p.m.

Empire Halberd.—53 42 N, 02 42 E, Jly 29,

Empire Halberd.—53 42 N. 02 42 E. Jly 29, 6 a.m.

Empire Lance.—54 12 N. 07 18 E. Jly 29, noon

Empire Macalpine.—53 48 N, 34 48 W, Jly 29, midnight

Empire Macrae.—51 42 N. 14 12 W. Jly 29, noon

Erland.—Bd Boston, 348 m WSW of Rockall Jly 24

Fanad Head.—56 12 N, 33 48 W, Jly 28, midnight

Fort Ticonderoga.—48 30 N, 32 36 W, Jly 29, noon

Kelmscott.—51 00 N, 13 12 W, Jly 29, 6 p.m., Makalla.—42 06 N, 09 36 W, Jly 29, 6 p.m., Makalla.—42 06 N, 09 36 W, Jly 29, 6 p.m., Monarch of Bermuda.—Portisbead, Jly 29, 100 Monarch of Bermuda.—Portisbead M

werp, Greenhithe, S. Cater & Co.
SARNIA, Br. 323, Alexander Emden,
Greenwich, T. Cook.
WHITESHELL PARK, Br. 4221, Calderwood, Fort. Churchill via Cardiff, West,
Indie Dk., R. S. Dalgliesh.

July 26.

2921 CHERRYLEAF, Br. 2588, Kibble, Colombo, Abadan & Gibraltar, Sheerness Yard, Naval Store Officer.

2918 FRENCH CREEK, Am. 6154, Barnes, Philadelphia, Thames Haven, Anglo-American Oil Co.

2925 PEQUOT HILL, Am. 6301, Myers, Curacao, Coryton, Anglo-American Oil Co.

July 27 2923 EMPIRE TEGLEONE, Br. 394, Temple, Hyjchteyre, Queenborough, W.

Port au Prince, King George V. Dk. Royal Mail Lines.

228 SUECIA, Sw., 2422, Lindne, Gothenburg, Miliwall Dk., British & Northern Shipping Agency. 222 TERN, Br. 96, Urquhart, Brussels, London Dk., Brussels S.S. Co. 229 TIM, Du, 93, Engelsman, Amster-dam, London Dk., Transport Exchange

July 29
ANTWERP, BARCELONA & PIRAEUS,
Tore Jarl, No. 886, Getz, Millwall Dk.,
Nordenfjeldske S.S. Services.

2986, Farrweather, Swanscombe Cement Works, Moxon, Salt & Co. COPENHAGEN, Trondhjem, Da. 791, Olsen, Mark Brown's Wf., United Ship-

CLEARED OUT

Vessel, Flag, Net Tonnage, Master, For, Station, Agents or Brokers

BALMORAL QUEEN, Er. 573, Hart, Antwerp, Mast Pond Wf., British Channel Traders.

July 30

C 2

Entered SPITHEAD

LONDON

# **COASTWISE & HOME TRADE MOVEMENTS**

Tyne Cedartree, Jly 29 Tyne Guelder Rose, Jly 30 Methil SPITHEAD Pd Out Blyth John L. Manson, Jly 29 Hudson Bay Port Talbot PORTSMOUTH AR Slateford, Jly 30 Blyth
Tyne
n Coast
Middlesbro
Dundee
Tyne
Tyne
Middlesbro
Dundee
Tyne
Tyne
Middlesbro
Dundee
Tyne
Tyne
Middlesbro
Dundee
Tyne Northumbrian Coast Holburn Head Aberdeen Flathouse Flathouse Empire Constancy Methil LONDON CLD
Kingfisher, Jly 29 Hull
Arbroath, Jly 30 Dundee
Northumbrian Coast
Tena Sanderland & Jly 28 Newlyn
Lidenby Jly 29 Tyne, Sunderland & Jly 28 Newlyn Middlesbro Barra Head Sunderland Hamble Belvina Kirkcaldy Empire Farringdon Middlesbro Josiah A. Mitchell Glasgow Mountjoy Maldon GRAVESEND AR Marlwood, Jly 28 Goole Koolga Aberdeen MEEDLES Pd E Kirkealdy ST CATH'S PT Aberdeen NEEDLES Rogate Jly 28

Hartlepool

Somerset Coast.

Rogate Aberdeen Rogate Jly 28

Hartlepool

Haslemere, Jly 30 Rogate, 17

Hartlopoor
Somerset Coast,
Jly 23-29 Kirkcaldy
Holburn Head Aberdeen
Aptity Selby
Empire Rest, Jly 29
Antwerp for Tilbry Dk
Empire Shelter Antwerp
for Tilbury Dock
Barry
Corbridge Barry
Corbridge Selby
SouthAMPTON S for Tilbury Both Corbridge Barry Arnewood, Jly 29-30 Gladonia, Jly 30 Gladonia, Jly 30 Teignmouth Axinite Aranmore, Jly 30 Belfast Belfast Comber, Jly 27 Subat Stock Force Monkstone Plymouth Fulham II. London Charles Parsons London BARRY IS Pd Up Empire Albany, Jly 29 for Newport Carrowdore Moray Coast Kylebauk Dundalk Rockville Elle Aranmore, Jly 30

Belfast
Stork Rotterdam
Blisworth Antwerp
for Tilbury
Dona Flora Ridham Dk
GRAVESEND SD
The report of the sailing
of the Sarnia on Jly 27
for Hamburg was erroof the Sarnia on and for Hamburg was erro-Stelling, Jly 29
Corstar
Empire Wapping, Jly 30
Cairngorm
Chessington

POOLE
Rudderman, Jly 28
Southampton
PORTLAND
SD
Colwith Force, Jly 29
EXETER

Clandeboye
Afon Gwill
Kyle Bute
Moss Rose
Stock Force
Eldorita Cairngorm
Chessington
Sir Alexander Kennedy
Sir David
Bleetro, Jly 30 Antwerp
Dagenham
Devonbrook
Corfoss
Moorwood
Regfos, Jly 30
DOWN.

EXETER
Ngakoa, Jly 30
Blyth
Ben Johnson
Southampton
PRAWLE PT Pd W
Aboyne, Jly 29
Birker Force
The Monarch, Jty 30
Nordic Queen
Regfos, Jly 30
DOWN. Regfos, Jly 30 Oliver Bury FOWEY Empire Resistance, Jly 28 London Boulogne PAR AR Annuity Jly 28 Exeter Goldfinder Monkwood CLIFFE SOUTHEND Pd Up Empire Comfort, Jly 29
Otterhound, Jly 30
SOUTHEND Pd Down
Otterhound, Jly 30
SOUTHEND Pd Down
SouthEnd Park SD Empire Estuary, Jly 27
Lizard Pd E South Coast Jly 28
Lizard Pd E Shoreham Shoreham Shoreham Bassethound, Jly 29
Lizard Pd E South Coast Jly 20
Lizard Pd E South Coast Jly 20
Lizard Pd E South Coast Jly 20
Livary Plythouth SWANSEA AR Chasson Doct of Castle Combe, Jly 28
Calyx, Jly 28
Point of A South Coast Jly 20
Lizard Park Castle Combe, Jly 29
Respire Comfort, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 28
Respire Comfort, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 28
Respire Comfort, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 28
Respire Comfort, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 29
Lizard Park Castle Combe, Jly 29
Lizard Park Castle Combe, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 29
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 28
Lizard Park Castle Combe, Jly 29
Lizard Park Castle Comb SOUTHEND Pd Down Otterhound, Jly 29 Grangetoft, Jly 30 Dagenham Acclivity
Empire Wapping,
Jly 30 for Blyth
Sir David
Sir David
Sir David
Sir Basidonia, Jly 28
Robert Middleton,
Jly 29 Rosyth for Chatham
MARGATE AR
Polly M., Jly 29 Goole
THE DOWNS Anch
Lady Wolmer, Jly 29
Lady Duncannon (tug)
Cairngorm, Jly 30
(put back for shelter)
Empire Favourite
Empire Favourite
Empire Favourite
Empire Favourite
Blyth
NEWLYN
SD
Kyle Queen, Jly 27
Poole
Gladonia, Jly 28 Thames
Cairngorm, Jly 30
(put back for shelter)
Empire Favourite
Jly 29 Bideford
GUERNSEY
St. Helier, Jly 26
Weymouth
Lady Duncannon (tug)
Cairngorm, Jly 30

Cairngorm, Jly 30

Lady Duncannon (tug)
Cairngorm, Jly 30

Weymouth
Sl. Angus
Belfast
Lady Patricia
Sark

Cambria
HoLYHEAD
Sheltering
Walttelave
Kingstown
Holyhead, Jly 27
Kircubbir
Manxsona, Jly 28

Kilker
Manxsona, Jly 28

Kilker
Karri, Jly 29 Belfar
Carrickferg
MARYPORT

MARSEY
Subtract

Whittelave
Manxsona, Jly 28

Kilker
Karri, Jly 29

Kingstown
MaryPORT

MARYPORT Acclivity
Empire Wapping,
Jly 30 for Blyth PENZANCE Hampton Ferry, J Empire Mammoth Empire Mammoth
(dredger), Jly 30
No. 24 (hopper barge)
No. 95 (hopper barge)
DOVER
Empire Martha (tug).
Jly 28 London
Genterbury, Jly 29
GOOLE Sambur, Jly 26 Weymoth St. Helier, Jly 27 St. Helier, Jly 28 Sambur, Jly 26 Weymoth Jly 28 St. Helier, Jly 27 St. Helier, Jly 27 St. Helier, Jly 27 St. Helier, Jly 28 Sambur, Jly 26 Weymoth Jly 28 St. Helier, Jly 29 London Jly 28 Helier, Jly 29 London Jly 29 L

**C** 3 Barry Craigolive, Jly 30 Coleraine Broom SD Snow Queen Cornish Rose NEWPON:
Torpoint, Jly 27
Fremington
Roma, Jly 28 Bideford
CARDIFF
AR

AR

CARDIFF
AR

CARBORE

AR

CARSTON
Stramore, Jly 27 Larne
Prase, Jly 30 ('reetown Staley Bridge Workington Reliast

Tyne CARDIFF AR Staley Brus.
Watergate, Jly 29 Trevor Silverfield Shell Mex 5, Jly 30 Silverfield B

Avonmouth CARDIFF SD Mountstewart, Jly Chemong Jly 27 Empire Clara (tug) Eldorita, Jly 29 .Hayle H.R.B. Avonmouth Longford Cornish R Pd E H.R.B. Garston Cornish Rose Chatham Meath, Jly 30 San Darson,
Coral Queen, Jly 30
Weston Point
Douglas BARRY AR Kyles, Jly 28
Empire Runner, Jly 30
Empire Runner, Jly 30
Ben Robinson Newport
Calvin Coggin Sharpness Pd E BARRY H.R.B., Jly 27 Peter Piper, Jly 28 Ben Robinson, Jly 29 Newport SD Briarfield J. B. Kee Monaleen Riverville Multistone ('owes LIVERPOOL Appliance, Jly 29

Afon Gwili Kyle Bute Moss Rose Mersey Liverpool Louth, Jly 29 Peveril, Jly 30 Carrowdore

Kyle Bute Moss Rose Stock Force Fulham II

AR

Findhorn PORT TALBOT Olive, Jly 30
Fremington Kyles FLEETWOOD Swansea PORT TALBOT SD Blackwater, Jly 29 Cork Hawthorn Fleetwood River Loyne, Jly 26 Liverpool Longford Porthught Plymouth SWANSEA

Gem, Jly 27 Whin, Jly 28

y 29 SWANSEA SD Pd W Empire Laird, Jly 29 BARROW Kyles, Jly 30 Prt Talbot St. Aidan
Perdita, Jly 30
Sir Joseph Swan, Jly 30
Kyles, Jly 30 Prt Tainot
MUMBLES
Anch
Empire Skipper, Jly 30 Anch BARROW AR MUMBLES Pd Out Castle Combe, Jlv 29
Empire Laird Blackwater

Sambur, Jly 26 Weymth
St. Helier Weymouth
Cranborne Antwerp
JERSEY SD
Sambur, Jly 26 Weymth
St. Helier Use St.

Liverpool

Belfast Lairdsburn Donaghmore 'lyde ('oast\_ Londonderry Topaz Saint Oran, Jly 28 Kinlochleven Minard LARNE

Saint Angus, Jly 29 BELFAST Mountstewart, Jlv 29

Slieve Bloom Lairdsdale Barrow Belfast Weaste Lairdsferry Bristol Sugget. Broom Craigolive Donaghman

Cumbria Whitehaven Hampshire Coast Belfast Northern Coast Stornoway DUBLIN Pyrope, Jly 29 Glasgow Wallace Rose Pt Talbot Glenageary, Jly 30 AR

Fresh Spray, Jly 30 Lytham Elmfield Elmfield, Jly 29 Dublin FLEETWOOD AR Helium, Jly 27 Glasgow Barium Llandulas AR DUBLIN Lady Thomas, Jly 29 Partington Amy Summerfield SD Weston, Ily 27 Glasgow Glencree

AR GLASSON DOCK SD Porthrepta Calyx, Jly 28
Point of Ayr Monksville

AR ARKLOW Agnes Craig (aux) Jly 27 Garston AR
Ayr
Great Western, Jly 27
Fishguard
SD
Granalea Port Talbot Belfast

Rowanfield, Jly 27 Penmaenmawr WATERFORD Fastnet, Jly 25 Great Western,

Blacksod

STORNOWAY

Empire Sloane, Jly 27

Charlus Seaham Gerco Newburgh Yewforest, Jly 29 London Errol Par St. Magnus Leith St. Rognvald, Jly 30 Lerwick Belfast Larne Larne Larne Larne Larne Larne Shelbrit 5 Hull Shelbrit 5

y 27 Liverpoot Bristol Spinel Sligo Arran Cork Campbeltown Campbel

Lowestoft Trader,
Jly 30 Thames
Accruity Colchester
Col

AR Weston, Jly 28 Agnes Craig (aux), Fleetwood

Jly 28 Arklow
Turquoise, Jly 29 Cardiff
Eveleen, Jly 30 Bangor
Craigolive, Jly 30 Belfast
Broom Belfast
Broom Belfast
Spoy Oveen Belfast
Brook Oveen Belfast
Brook Oveen Belfast

Belfast Swansea GLASGOW SD Lairdsglen, Jly 27 Belfast AR 30 Relfast

Belfast Stramore, Jly 29 Conister Dougus Rowanfield Karri Penmaenmawr Balmarino Tyna<sub>11</sub> Crewhill

Silloth

Warita Swansea
Sybil Mary Glasgow
Meath, Jly 30 Belfast
Denbigh Coast Glasgow
T. P. Tilling, Jly 30
Clyde
Varri, Jl Baronscourt Snow Queer Point of Ayr, Jly 25 Point of Ayr

Penmaenmawr

Carreg-y-Llam SD

Rockabill, Jly 28 Liverpool

BLACKSOD BAY SD Empire Kyle, Jly 30 (after sheltering)

LONDONDERRY AR Victor, Jly 28 Maryport Downshire Silloth SD

Hamburg LEITH St. Bedan, Jly 28
Hamburg
Pass of Ballater
Bowling
Bowling
Hamburg
Bowling
Bowling
Hamburg
Bowling
Hamburg
Hamburg
Hamburg
Bowling
Hamburg
Hamburg
Hamburg
LEITH
AR
HARTLEPOOL
AR
HARTLEPOOL
Suntrap, Jly 27
London
Fireside, Jly 28
London
Ardgryfe
Clova

HARTLEPOOL
AR
HULL
AR
Wandle, Jly 29
London
Ardgryfe
Flixborough
Newcastle
Magrix, Jly 30
Hagrix, Jly 30
Hagrix, Jly 30
Hagrix, Jly 30
Hagrix Jly 30
Hamburg
Peterhead

Londonderry Jlv 29
Londonderry Belfast AR y, Jly 28
1 Jublin Sp ABERDEEN AR BERDEEN AR BURTH Spring Congerstone, Sp ABERDEEN AR Consider Congerstone, Sp ABERDEEN AR AR ABE

Dublin SD ABERDEEN AR Redhall, Jly 27 Blyth Harlaw Newcastle Liverpool Dublin AR Coast Stornoway Deedon Dundee Mount Battock Methil Pass of Melfort, Jly 28 London London St. Clair Levick St. Clair Levick Microsland London St. Clair Levick St. C

Dublin
AR
Deedon
Dundee
Mount Battock
Methil
Pass of Melfort, Jly 28
Tyne
London
Larne
ly 30
Belfast
B

Quentin Ghent
Eastern Coast, Jly 30
 Aberdeen
DUNDEE SID
Deedon, Jly 27
Aberdeen
Wisbech, Jly 29 Bo'ness
Glarmis, Jly 30 Hull
GRANGEMOUTH SD
Lowestoft Trader,

Westburn, Jly 30
London
London
London
Spurn HEAD Pd In
Shelbrit 5, Jly 30
Empire Sportsman
Pass of Melfort
Spurn HEAD Pd Out
Frank M., Jly 29
Queenworth
Teeswood, Jly 29
Queenworth
Teeswood, Jly 30
Yewmount
Teeswood, Jly 30
Yewmount

SHIPS IN PORT LONDON IN THE RIVER-Cont. from p. 14

Stephenson Clarke, Ltu.
GLADONIA
GLASHAVEN, Tuff's Wf., Wootwich, British
& Continental Shipping Agency
GRIPEN, for Millwall Dk., S. L. A., Ltd.
HELVETIA, Highway Wf., Wandsworth
Pseight Express HELVETIA. Highway Wf.. Wandsworth Freight Express HETTON, Upper Tr., Erith, J. Hudson & Co HICKORY STREAM, Cargo Jty., Tilbury, P. & O. S. N. Co. HOLBURN HEAD, T. Cook HUDSON BAY, Middle Tr., Erith, J. Hudson

Belfast (Onderry londerry JANA, Brentford Dk., Freight Express JANS, Greenhithe Swing By., JOSIAH A. MITCHELL, Tunnel Portland Cement Works, W. Thurrock, W. France. Fenwick & Co. KOOLGA, Free Trade Wf., Ratcliff, Aberdeen KORTENAER, Greenhithe Bys., G. A. Tom & MALLARD, Victoria Wf., Limehouse, G. S. N. Dublin
Liverpool
ondonderry
ly 28
inlochleven

Dublin

Co.
MARGA, Imperial Paper Mills, Gravesend.
S. L. A., Ltd.
MARIA (aux.), anchored St. Clement's Reach,
C. Hoffmann & Co.
MARJORIE (s.y.), Ford's Jty., Dagenham, ly 29
Campbeltown
Ardrishaig
Ardrishaig
THERM. Beckton Gas Works, Cokemart

AR

AR

Maryport

AR

AR

MISTLEY, Co-operative Wf., Gravesend MORAY FIRTH, Wouldham's Wf., Grays, S.
Cater & Co.

NAUTILUS, H.M. Victualling Yd., Deptford Nordben, Battle Bridge Tr., Bermondsey, British & Northern Shipping Agency NORTHERN PIONEER, Alpha Jty., Cliffe, W. France, Fenwick & Co.

NORTHUMBRIAN COAST, Bell Wf. Tr., Shadwell, Tyne-Tees Steam Shipping Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

OLAYUS, for Bevan's Wf., Northfleet, Galbraith, Pembroke & Co.

ORANJEPOLDER, Custom House Qy., Cornelder's Shipping Co.

OSRIC, for Surrey Commercial Dk.

OTTERHOUND

PARKWOOD, White's Jty., Swanscombe, Temple, Thomson & Clark

OTTERHOUND

PARKWOOD, White's Jty., Swanscombe, Temple, Thomson & Clark

ORMORAY FIRTH, Wouldham's Wf., Grays, S.

Cater & Co.

ONAUTILUS, H.M. Victualling Yd., Deptford Nourille, St.

ONAUTILUS, H.M. Victualling Yd.

ORDER, St.

ONAUTILUS, H.M. Victualling Yd.

ONAUTILUS, H.M. Victualling Yd.

ORDER, St.

ONAUTILUS, H.M. Victualling Yd.

ONAUTILUS, H.M. Victualling Yd.

ONAUTILUS, H.

Ayr
Ayr
ROCK LANDING
ROCK LANDING
ROCATE, Lower Tr., Erith
ST. KENNETH, De Pass Jty., Barking

Bros.
V.I.ESTROOM. Fennings' Wf.. Bermondsey. British & Foreign Maritime Agencies.
WARJO. Willson's Wf. Bermondsey. British &
Northern Shipping Agency
WILLIAM PEARMAN. Lower Tr., Deptford.
Stephenson Clarke, Ltd.

## MERSEY IN PORT

Docks are at Liverpool unless otherwise shown tindicates Birkenhead

Vessel Tons Gross Dk. or WJ. Broker SD ALLERTON, 1195, Branswick, Bahr, Behrend ANGLIA, 1300, Queen's 2, Bahr, Behrend & Co Fishguard ANGLIAN COAST, 594, E. Float, t Coast Lines CIALWAY AR Empire Belle (tug),
Jly 27 Silloth

ANTILOCHUS, 9682, Vittoria, † A. Holt & Co.
ARDENZA, 933, Langton Branch, Moss
Hutchison Line
ASCANIA, 14,013, Gladstone, Cunard White

Star ASSURANCE, 203. E. Float.† ATLANTIAN, 6549, E. Float.† T. & J. Harrison ATLANTIC ('OAST, 890. Trafalgar, Coast Lines AUTHORITY, 616, Toxieth, Caleb Brett & Son BALMAHA, 1428, Herculaneum Dry 2, A. Coker & Co. BANTRIA, 2407, Herculaneum Dry 3, Cunard BEN H. MILLER, 7219, Langton Dry 1, Eller-STORNOWAY
Eastern Coast, Jly 27
Aberdeen
DUNNET HEAD Pd E
BUSIRIS. 943. Toxieth, Moss. Hutchison Line

C.W.S. PROGRESS, 967. Toxteth, Co-operative | KHETI, 2734, Langton Branch, Moss Hatchi-Wholesale Society
CELTIC MONARCH, 5909, E. Float, † A. J.
Gait
CHANT 58, 401, Collingwood, Houlder Bros.
CHESHIRE COAST, 1122 Trafalgar Coast
CHESHIRE COAST, 1122 Trafalgar Coast CHESHIRE COAST, 1122, Trafalgar, Coast CISNEROS, 1886, Alexandra 2, MacAndrews & CITY OF CHESTER, 8520, Canada 1, Hall CITY OF DUNKIRK, 5861, E. Float, † Hall Line CITY OF DURBAN, 5945, Vittoria Wf., † Hall CITY OF GLASGOW, 5321, Langton, Hall CITY OF HONGKONG, 9606, Huskisson, Hall Line CLAN CHISHOLM, 9581, Brocklebank Branch. Cayzer, Irvine & Co.
CLARA MONKS, 577, Morpeth, † J. S. Monks
CLYDE COAST, 511, Trafalgar, Coast Lines
COLON, 1803, Langton Dry 2, MacAndrews & Co. COLORADO SPRINGS VICTORY, 7607, Langton, Atlantic Transport Co. CONISTER, 411. Queen's, T. Orford & Sons CORAL QUEEN, 303, Salthouse, A. Coker & CO.
CORDILLERA, 6865. Brocklebank Branch,
Donaldson Bros. & Black
CORINTHIC, 15,000, Cammell Laird & Co.'s
Wet Bsn.,† Gracie Beazley & Co.
CORRALES, 5363, King's 1, Yeoward Bros.
CROSSBILL. 309. Harrington, H. Tyrer & Co.
CROSSBILL. 309. Harrington, H. Tyrer & Co.
CROSSBILL. 309. Harrington, H. Tyrer & Co.
CROSSGAR, 661. Hornby, J. W. Fisher & Co.
DALLEGARTH FORCE, 825. Carriers, W. S.
Kennaugh & Co.
DALLAS CITY, 7079, Queen's Dry, A. Coker
& Co.

Coast Lines LAUTARO, 6240, Canada 1, P. S. N. Co.

LONGFORD. 1913, Prince's LORETO. 6682. Alexandra 1. Canadian Pacific S.S. LYCAON, 7350, Gladstone 1, A. Hoit & Co.

MAFUTA, 6322, Harrington, H. Tyrer & Co. MANCHESTER EXPORTER. 5277, Hornby, Furness, Withy & Co. MARCITA, 150, Morpeth,† T. Phelan & Co.

MARSDALE, 4890, Alexandra 3, R. P. Houston

Savage
MEDINA VICTORY, 7607, Herculaneum Dry 4,
Donaldson Bros. & Black
MERCHANT PRINCE, 5229, Alexandra 2,
Sivewright, Bacon & Co.
MERSEY COAST, 509, Trafalgar, Coast Lines

MILLAIS, 6991, Canada 3, Lamport & Holt

Line
MONALEEN, 633. Brocklebank Branch,
Limerick S.S. Co.
MORRIS HILLQUIT, 7210, Canada, Atlantic

Transport Co. MOUNTSTEWART, 1099. Trafalgar, J. J.

Mack & Sons MULTISTONE. 296, W. Float. W. Glynne

Thomas.
MUNCIE VICTORY, 7607, Gladstone 2, Atlantic Transport Co.
NASSA, 8134, Grayson Rollo & Clover's Dry 6,†
Brinings (Shipping)
NATURALIST (ex Empire Trumpet), 7059,
Herculaneum, T. & J. Harrison

NEW NORTHLAND, 3445, Wellington, Elder Dempster Lines OCEAN COAST, 1173, Nelson, Coast Lines

OCEAN VOLUNTEER, 7174. Herculaneum Branch, MacAndrews & Co. ORDUNA, 15.507. Canada Dry, P. S. N. Co. ORKNEY COAST. 650, Victoria, Coast Lines

OXFORDSHIRE, 8646, Canada 1, Bibby Bros.

& Co.
PACHAUG VICTORY, 7607, Canada 2,
American S. S. Lines
PANAMA EXPRESS, 4288, Gladstone 2, H.
Tyrer & Co.

PANDORIAN, 3143, Brocklebank, Ellerman

PARDO, 5400, Brocklebank Branch, P. S. N.

PARDO, 330, Distributions, Co.
PEGU, 7838, W. Float, † Lamport & Holt Line
PENSTONE, 267, Canning, W. A. Savage
PLANTER, 6007, Queen's 1, T. & J. Harrison
PORT CAMPBELL. 8751, Huskisson, Canard
White Star
PRINSES MARGRIET, 489, Bramley-Moore,
W. H. Stott & Co.
PROCRIS, 1060, Alexandra 3, J. Dowie & Co.
RACE FISHER, 759, Gladstone, J. W. Fisher
& Co.

RADWINTER, 5613, Herculaneum Dry 2, S. C.

RANGER (salvage), 409, Albert, Liverpool &

RIVERVILLE, 335 E. Float, J. S. Monks.

Lidd.

ROBERT L. HOLT, 4000, Cammell Laird & Co.'s Wet, t J. Holt & Co.

ROMAN QUEEN, 1047, Prince's, Coast Lines ROWANFIELD, 495, Carriers', W. A. Savage SALACIA, 5495, Huskisson 1, Donaldson Bros. & Black

SAMANCO, 6367, Huskisson 3, P. S. N. Co.

SAMBALT, 7219, W. Float, t H. Tyrer & Co.

SAMBRAKE, 7219, Canada 1, Ellerman Lines SAMFEUGH, 7219, Toxteth, Elder Dempster Lines

SAMHOLT, 7219, E. Float, † Cunard White

Star SAMYORK, 7219. Alexandra, J. Dowie & Co. SAN DARIO, 1137. Herculaneum, Shell Mex SANSU, 5446. Toxteih. Elder Dempster Lines SARPEDON, 11,321, Gladstone 2, A. Holt & Co. SEA PERCH, 7886. Langton, Cunard White Star

Star
SELECTOR, 7067, Brunswick, T. & J. Harrison
SELTLECTOR, 6202, Canada, T. & J. Harrison
STANVILLE, 538, Egerton, t J. S. Monks
STORMONT, 1031, Trafalgar, J. J. Mack &
Sons, Ltd.

TID 28 (tug), 50, Lpool, T. Phelan & Co.
TID 115, 50, Morpeth,† T. Phelan & Co.
TID 116 (tug), 50, Wallasey,† T. Phelan & Co.
TID 117 (tug), 50, Wallasey,† T. Phelan & Co.
TID 143 (tug), 50, Lpool, T. Phelan & Co.
TID 149 (tug), 50, Wallasey,† T. Phelan & Co.
TID 150 (tug), 50, Wallasey,† T. Phelan & Co.
TID 150 (tug), 50, Morpeth,† E. H. Mundy & Co.

TID 163 (tug), 50. Lpool, T. Phelan & Co.
TID 163 (tug), 50. Lpool, T. Phelan & Co.
TUDOR PRINCE, 1914, Cladstone, Furness,
Withy & Co.
ULSTER PRINCE, 3791. Prince's, British &

Trish S. P. Co. VASCONIA, 7058, Huskisson 1, Canard White

Star 34, 42 (net). Morpeth Branch,† T. Phelon

MARGAY, 4972. Liverpool, R. P.

MAYFLOWER, 370. Bromborough,

& Co.
DEFENDER, 8258, Vittoria, † T. & J. Harrison
DERBYSHIRE, 11,660, W. Float Dry 3,†
Bibby Bros. & Co.
DIVINA, 643, Liverpool
DORSETSHIRE, 9717, Bidston,† Bibby Bros.
URAMATIST, 5443, Brunswick, T. & J. Harrison DUCHESS OF BEDFORD, 20,123, Gladstone 1 Canadian Pacific S.S. DUNKERY BEACON, 7069, Liverpool, R. & D DURHAM COAST, 783, Trafalgar Branch. EMPIRE BARD, 3114, Queen's, T. Phelan & EMPIRE CANDIDA, 2908. Hornby, T. Phelan EMPIRE CONTOUR, 965, Bramley-Moore, Monroe Bros. EMPIRE ETTRICK, 4022, King's 1. Yeoward EMPIRE FABIAN, 411, Canning, J. W Fisher EMPIRE GARLAND, 1925, Hornby, Mac EMPIRE LADY, 7046, Alexandra 2. P. S. N.

Co. EMPIRE LASS, 813, Grayson, Rollo & Clover's Dry 5.† Brinings (Shipping) EMPIRE LORENZO, 2865, Bidston,† R. & D. EMPIRE MACCALLUM, 8252. Alexandra 2. J. Dowie & Co. EMPIRE MAYTOWN, 394, Canning Dry 2 W. A. Savage EMPIRE NILE. 6318, Alexandra 1, J. Dowie & CO.
EMPIRE PIBROCH, 7046, Langton Dry 1,
Houlder Bros. & Co.
EMPIRE PLOVER, 6109, Langton, T. & J. EMPIRE PUNCH, 321, Canning, A. Coker & ('O.
EMPIRE SYBIL (tug), 276, Birkenhead,
Mersey Docks & Harbour Board
EMPIRE TEGAMBIA (ex Herman Andersen),
1171, Victoria, Houlder Bros. & Co.
EMPIRE ENTURE, 12,639, W. Float, † H

Tyrer & Co.
EMPIRE WAVENEY, 12,844, Canada Tongue,
Canard White Star
EMPIRE WISDOM, 9208, Bidston,† Blue Star EMPIRE WINDOM, 9208, Bideton,† Blue Star Line
EMPRESS OF AUSTRALIA. 21.833, Glad-stone 1, Canadian Pacific S.S.
EMPRESS OF SCOTLAND, 26.032, Glad-stone Dry, Canadian Pacific S.S.
ESNEH. 1972, Queen's 2, Moss Hultchison Line ESSO CADILLAC, 8142, Cammell Laird & Co.'s Wet Bsn.,† Furness, Withy & Co. FER. 151. Bramley-Moore, R. & D. Jones FLORISTAN, 7368, Huskisson 3, Hall Line FORDSDALE, 11.023, Sandon, J. Dowie & Co. FOREST, 4998, W Float,† Hall Line FORT MOOSE, 7130, Queen's 1, H. Tyrer & Co.

Co.
TACTICIAN, 5996, King's 2, T. & J. Harrison
TAKORADIAN, 5452, Bromborough, Elder
Dempster Lines
TAOS VICTORY, 7607, E. Float,† Atlantic
TARANTIA, 7208, E. Float,† Anchor Line
THAMES COAST, 1045, Bramley-Moore, Coast
Lines Co.
FRANK A. VANDERLIP, 7219, Huskisson, Furness, Withy & Co.
FRANZ KLASEN, 11,194, Cammell Laird & Co.'s Dry 6,† Furness, Withy & Co.
FULANI, 6572, Grayson, Rollo & Clover's Dry 1,† Elder Dempster Lines
GEORGIC, 27,268, Gladstone, Cunard White Star GLAMORGAN COAST, 879, Prince's, Coast

Lines GLAUCUS, 7586, Gladstone 1, A. Holt & Co. GOVERNOR. 5671, King's 1, T. & J. Harrison HAKEFJORD, 1101, Harrington, Limerick S.S. Co.
HARALD, 1970, Carriers', N. Johansen & Dahl
HARPTREE COMBE, 439, Grayson Rollo &
Clover's Dry 3†
HILARY, 7403, Cammell Laird & Co.'s Wet
BSn., t Booth S.S. Co.
HILLCREST PARK, 7138, Canada 2, Houlder Bros. & Co. HOPPER NO. 32, —, Alfred, † T. Phelan & On HORORATA, 13,945, Sandon, J. Dowie & Co. IMBER, 1899, Carriers', J. T. Fletcher & Co. INDORITA, 201, W. Float, † T. Phelan & Co. INVELLA, 5026, Canada 2, Toft & Co. INVERPOOL, 620, Morpeth, † Petroleum Board
OHN HOLT, 3814, Cammell Laird & Co.'s
Wet Ban.,† J Holt & Co.
JOSEPH E. JOHNSTON, 7196, Huskisson 3.
Atlantic Transport Co.
KAOLACK, 1837, Bromborough, H. Tyrer &

WALTER RAU 13,751, Brocklebank Dry,
H. Tyrer & Co.
WELSH COAST. 646, Trainlgar, Coast Lines
WICKLOW, 1032, Prince's, British & Irish
ZILOS, 1711, Wellington, W. H. Stott & Co. KENILWORTH CASTLE, 9916, Alexandra 1. Elder Dempster Lines (Continued on page 19)

SD Surreybrook Acrity Yorkbrook HULLI Dynamo, Ily 29 Goole Yorkbrook Queenworth London Monmouthbrook Faity GT YARMOUTF GOOLE

Hull Brixton
Dublin Trentwood
Poole Goole London London London Arthur Wright FLAMBORO HD Pd 8

C 10

Surreybrook
SUrreybrook
SUrreybrook
Goole onden denaby
AR Ann M., Jly 27
Mouth onden

Checks M. Ily 28

Goole onden

Graby

GT VARMOUTH SD

Lowestoll Angularity, Jly 28

Goole onden

Goole Orbeits M. Ily 20

Goole Orbeits

Angularity, Jly 28
Angularity, Jly 29
Angularity, Jly 28
Angularity, Jly 29
Angularity, J

Kirkwood, Jiy 29 London
John M. Shoreham
Dynamo Hull
Robrix, Jiy 30

Western Hill Stockton
GOOLE SD
Goldeve, Jiy 29 London
Angularity, Jiy 29
Plymouth
Yewmount Portsmouth
Magrix London
Surreybrook Shoreham
Empire Fane, Jiy 30
Boston (Lincs)
KEADBY AR
Acrity, Jiy 28
Empire Facility, Jiy 27
Colchester

Gondia (tug), Jiy 29
London
LowESTOFT SD
Ben Read, Jiy 28
Sheerness
Show of Vork, Jly 29
Duke of York, Jly 29
Harwich
Antwerp
Harwich
Antwerp
Harwich
Antwerp
Harwich
Antwerp
Harwich
Antwerp
Harwich
Ant

Coronia, Jly 30
Goldeve

GT YARMOUTH RDS
Pd N
William Cash, Jly 30
Coronia
Charles M., Jly 30
Chessington

Empire Facility, Jly 38
Keadby
Keadby
Rouen
Keadby
Rou

AR Acrity, Jly 28 Emden KEADBY SD Empire Facility, Jly 27 Colchester Colchester Rheeworth, Jly 29 Rotterdam GRIMSBY AR Teeswood, Jly 28 London BOSTON, Lines AR Empire Fairhaven, Jly 29 Norwich BOSTON, Lines SD Aridity, Jly 29 London WISBECH AR Tillerman, Jly 28 London WISBECH AR Tillerman, Jly 28 Anch Goldeve, Jly 30 GT YARMOUTH RDS COTONIa, Jly 30 Accruity Sunderland Antwerp Hook of Holland Antwerp Hook of Hol

BRITISH COAST LINES SEAWAYS

COAST LINES ORGANISATION ast Lines Ltd.

Burus & Laird Lines Ltd.
Ifast Stanmship Co., Ltd.
Tyne-Tees Steam Shipping Co., Ltd.
Trish & Irish Steam Packet Co., Ltd.
British Channel Isles Shipping Co., Ltd.
Abordeen Steam Navigation Co., Ltd.

Regular Services between all important Ports

BIRKENHEAD

Shipbuilders, Engineers, Repairers, Boilermakers PRIVATE GRAVING DOCKS

AB Ft. 706 80 30 Breadth \_\_\_\_ Depth on Bill And Two Smaller Docks

FLOATING BASIN, 14 acres TEN BUILDING SLIPS, ranging up to 1,000 ft. London Office— 5, Victoria Street, Westminster, S.W.

PRIVATE GRAVING DOCK 500 ft. by 61 ft. Modern Appliances for REPAIRS at Rapid Ship and Engin Kepairs D. & W. HENDERSON, LTD. MEADOWSIDE :: GLASGOW

## BLYTHSWOOD SHIPBUILDING CO. LTD.

Shipbuilders, Engineers and Repairers

Vessels Docked, Painted, Repaired and Overhauled

SCOTSTOUN, GLASGOW Tel. Nos.: Scotstoun 1814/1815 and Renfrew 2281/2 Tel. Address: "Blyard"

R. & H. GREEN and SILLEY WEIR, Ltd. SHIP AND ENGINE REPAIRERS

Ory Docks up to 487 feet
Office -130-132, LEADENHALL STREET, E.C.3
Fams-"Interknit Stock London" Phone-Ave 5361
Orks-Blackwall Yard, E. Royal Albert Dock, E.
Millwall Dock, E. Tilbury Docks
Surrey Commercial Dock

MILLS & KNIGHT, Ltd. Ship Repairers and Dry Dock Owners, Engineers, Boilermakers, &c. NELSON DOCK AND PATENT SLIP ROTHERHITHE, S.E. Telephone No.—Bermondsey 2622 (2 lines) Omce—1112, Fenchurch Street, E.C.3 Telephone No.—Mansion House, 4482

## J. JEFFERIES & SONS, LTD.

Dry Dock Owners, Ship Repairers
Engineers, Iron and Brass Founders
GRAVING DOCK WORKS: WAPPING DRY DOCK AVONMOUTH and BRISTOL Telephone—Avonmouth 422/3/4/5

After hours—Long Ashton 2292 Stoke Bishop 81652

## BALMERS (PRESTON) SHIP REPAIRERS LTD

ENGINEERS BOILER MAKERS SHIP REPAIRERS ELECTRIC ARC WELDERS (Portable Plant)

SHIPBUILDERS. REPAIRERS. ENGINEERS. ENGINE INSTALLATIONS

3 PRIVATE GRAVING DOCKS for Vessels up to 350 feet PRIVATE REPAIR WHARVES
Telegrams: "Dockyard. Grangemouth"
Telephones: Grangemouth 350 (Private Ex.)

#### PROMPT REPAIRS at PLYMOUTH WILLOUGHBY (PLYMOUTH) LTD

Established 1844
Engineers and Ship Repairers
Iron and Brass Founders
Portable Electric Welding Plants GREAT WESTERN DOCKS, PLYMOUTH

# **JAMES LAMONT**

& CO. LTD.

Shipbuilders

Ship Repairers & Engineers

GREENOCK and PORT GLASGOW

Building Berths | 2 Dry Docks 2 Slipways Available Now Enquiries Invited Good Berthage

Telephones-Greenock 1540/1 Port Glasgow 345/6 Telegrams-" Lamont, Greenock."

# PACIFIC DRY DOCK COMPANY, LTD. Harrison & Co. Prince's Pier, Greenock, D. MacDongall & Co.

Incorporated with PACIFIC SALVAGE CO. LTD. VANCOUVER, B.C.

SHIPBUILDING, REPAIRS, TOWAGE AND SALVAGE

YOUNG, 28, St. Mary 1, 10, London, E C.3

#### SHIPS IN PORT (Continued from page 18)

GARSTON-IN PORT Vessel Tons Gross Dock Brokers AGNES CRAIG (aux), -, Old, Ross, Ryan &

Co.
BARON DOUGLAS, 3899, Stalbridge, Sive-wright, Bacon & Co.
BROOM, 347, Old, J. Darlington
CARSLOGIE, 3786, Stalbridge, R. & D. Jones
CONFID, 249, Old, J. Darlington
CORNISH ROSE, 471, North, E. W. Turner &
Son CRAIGOLIVE, 605, Stalbridge, E. W. Turner EMPIRE EVELEEN, 502, North, J. Darlington EMPIRE RAZORBILL, 5118, Stalbridge, E.

Nicholson
GAELIC (aux), 224, North, Brown & Kinch
HELFRID, 1318, Stalbridge, A. Coker & Co.
HOKEN, 650, Old, Sivewright, Bacon & Co.
SIR JOHN R. WRIGHT (tug), 95. North
SNOW QUEEN, 311, North, Ross, Ryan & Co.
TURQUOISE, 810, North, W. Robertson
WALLSEND, 2905, Old, G. L. Falck & Co.

## MANCHESTER IN PORT

Tons Gross Dk. or Wf. Broker SPIRIT. 440, Stanlow Oil Dk. 2, Petro-BARON INCHCAPE, 7005, Shed 7, Dk. 7, Gough & Crosthwaite BRITA THORDEN, 1899, Shed 1B, Riverside BROCKLEY COMBE, 662, Pier 8, H. Watson BROOMFIELD, 657, Weston Point, W. A. Savage CAXTON, 7242, Dry Dk. 1, H. Watson & Co. DOROTHY ROSE, 1600, Ellesmere Port, Lep Transport
EGRET, 1391, Shed 2, Dk. 6, Wilson, Son & Co.
ELKANAH CROWELL, 1791, Shed 3, Trafford
Wf., Sivewright Bacon & Co.
EMPIRE JONQUIL, 369, Shed 3, Dk. 2, J. J. Mack & Sons EMPIRE MAYROVER, 394, Runcorn, Clark & Grounds
ESKDALEGATE, 4250, Sheds 3-5, Dk. 6,
Cunard S.S. Co.
HAPPY HARRY (aux.), 152, Weston Point,
Clark & Grounds
HARVEST KING, 119, Weston Point, Clark & Grounds
HERMA GORTHON, 1827, Bowater's Wf.
Ellesmere Port, H. Tyrer & Co.
HONDSRUG, 227, Weston Point, G. Mill-IRENE. 1548, Partington, R. F. Sanderson & JOLLY DAYS, 352, Weston Marsh Lock, I.C.1 KENTISH COAST, 459, Shed 4, Dk. 4, Coast G. H. BAILEY, LTD.

Dry Dock Owners Ship Repairers

Brass and Iron Founders

CARDIFF Tel.—Bailey 'Phone—Cardiff 2971

BARRY DOCK "Bafley" Barry 500

NEWPORT, Mon. "Bailey" Newport 3215

REVITISH COAST, 409, Shed 4, Dk. 4, Bowen Lines

Lines

Lines

Lines

LADY THOMAS, 294, Partington, A. E. Bowen LOCH ETIVE, 237, Runcorn, G. Millington MANCHESTER CITY, 5647, Shed 7, Dk. 7, Manchester Liners

MANCHESTER TRADER, 5671, Shed 5, Dk. 9, Manchester Liners

MANSURIA, 1083, Shed 4, Dk. 8, Bahr Behrend & Co.

MEDWAY COAST, 1014, Shed 4, Dk. 4, Coast Lines

OUSEL, 1533, Shed 4, Dk. 6, J. T. Fletcher & CO.
PALESTINIAN PRINCE, 1960, Shed 4, Dk. 7, Gough & Crosthwaite
RICHMOND PARK, 7163, Co-operative Sun Mills, H. Watson & Co.
ROCKVILLE, 217. Stanlow Oil Dk. 1, J. S. Monks, Ltd.
ST. ENOCH. 362. Runcorn. G. Millington
SYRIAN PRINCE, 1990, Dry Dk. Jettles, Gough & Crosthwaite
TROJAN III., 1797, South Shed, Dk. 1, H. Watson & Co.
VANELIUS, 1886, Shed 6, Dk. 8, J. T. Fletcher & Co.
WILLIAM BREWSTER, 1791, Partington. H. Watson & Co.

Lines ONEIDA, 7800. Eccles Oil Wf., Anglo-American Oil Co. OUSEL, 1533, Shed 4, Dk. 6, J. T. Fletcher &

### CLYDE-IN PORT

Docks are at Glusgow unless otherwise stated Vessel Tons Gross Dk. or Wf. Broker ACASTA, 5229, Prince's, Gow, Harrison & Co. AMERICAN BUILDER, 6834, Yorkhill, W. B. ANDREW HAMILTON, 7191, Clyde anchorage ANGLO AFRICAN, 1601. Rothesay Dk., Clydebank, H. Hogarth & Sons ANNAGHMORE, 583, Rothesay Dk., Clyde-bank, J. B. Couper ANNAN, 965, Windmillcroft Qy., W. Sloan & AYRSHIRE COAST, 773, Lancefield Qy., Coast BALMARINO, 419, Meadowside Qy., Partick.

BLECTRICARC WELDERS (Portable Plant)

BRAY STREET WORKS
PRESTON

Telephones: 86363 & 86117

Phone:
Swansea 2604 GENERAL
After hours
Swansea 2604 GENERAL
Reynoldston 39

ENGINEERING
(SWANSEA) LTD.

Inglineers, Boilermakers, Smiths, Ship Repairers
Mobile and Stationary Electric Welding Plants
Dock Lengths: 263ft, by 41 ft, 61n., 156 ft, by 36 ft.

CAMBRIAN DRY DOCKS - SWANSEA

THE GRANGEMOUTH
DOCKYARD CO., LTD.

SWANSEA LTD.

BALMARINO, 419, Meadowside Qy., Partick.
J. B. Couper
BANAN, 1581, East India Harbour, Greenock,
J. & J. Denholm
BARON RUTHVEN, 3178, River Kelvin, H.
Hoearth & Sons
BEAVERCOVE, 9800, Fairfield Shipbuilding & Engineering Co.'s Bsn., Govan, Canadian
Pacific S.8.
BEAVERLIAKE, 10,000, Kingston Bsn.,
Greenock, Canadian Pacific S. S.
BERYL, 568, Rothesay Dk., Clydebank, W.
BOPT-Son
BORYSLAW, 5977, Govan, R. Love, Ltd.
BRITISH COMMODORE, 5865, Mavisbank
Qv., Partick.
THE GRANGEMOUTH
DOCKYARD CO., LTD.

BROWN RUTHVEN, 3178, River Kelvin, H.
Hoearth & Sons
BEAVERCOVE, 9800, Fairfield Shipbuilding & BEAVERCIAKE, 10,000, Kingston Bsn.,
Greenock, Canadian Pacific S. S.
BERYL, 568, Rothesay Dk., Clydebank, W.
BOPT-SON BORYSLAW, 5977, Govan, R. Love, Ltd.
BRITISH COMMODORE, 5865, Mavisbank
Qv., Partick.

GRANGEMOUTH
DOCKYARD CO., LTD.

BROWN RUTHVEN, 3178, River Kelvin, H.
Hoearth & Sons
BEAVERCOVE, 9800, Fairfield Shipbuilding & CHESHIRE, 10,552, Queen's, Roxburgh, Colin CHESHIRE, 10,502, Queen's, Manager Color & Co.
CHTY OF CARLISLE, 9913, Prince's, City Line
CLAN BRODIE, 9913, James Watt Dk.
Greenock, Cayzer, Irvine & Co.
CLAN CUMMING, 7826, Garvel Dry, Greenock,
Greenock Dockyard Co.
CLAN FARQUHAR, 7958, Queen's, Cayzer,
Line & Co. Greenock Dockyard Co. CLAN FARQUHAR, 7958, Queen's, Cayzer. Irvine & Co. CLAN MURRAY, 5954, James Watt Dk., Greenock, Cayzer, Irvine & Co. CLUMBERHALL. 5198, Queen's, T. L. Duff & CORTEEN. 530, Rothesay Dk., Clydebank J. B. Couper
DORELIAN. 6431. Prince's. Donaldson Line
DUCHESS OF RICHMOND. 20.022. Fairfield
BSn.. Govan. Canadian Pacific 8.S.
DUNARA CASTLE, 457. General Terminus
Bys.. McCallum Orme & Co.
EMPIRE BOMBARDIER, 8202, Prince's, Gow. EMPIRE BOMBARDIER, 8202, Prince's, Gow-Harrison & Co EMPIRE CALIDER, 2649, Prince's, Moss Hutchison Line EMPIRE CANUTE, 7750, Great Harbour. Greenock, Greenock Dockyard Co. EMPIRE CHIEF, 8040, Queen's, Chr. Salvesen & Co. EMPIRE CONDERTON, 1558. Kingston Dk. EMPIRE DEED, 6766, off. Gourock, D. McDougall & Co. EMPIRE DOLPHIN, 5037. Gareloch, Gow. Harrison & Co. (laid up) EMPIRE GRENADIER, 9811, Dunglass. Gow. Harrison & Co. EMPIRE HALLADALE, 13,589, Dalmuir Bsn., Anchor Line

Anchor Line

EMPIRE HUMBER, 9138, Elderslie Wf., Scotstoun West. Roxburgh. Colin Scott & Co.

EMPIRE JEWEL, 2370. James Watt Dk.,
Greenock. Gow. Harrison & Co.

EMPIRE SEVERN, 6681, James Watt Dk.,
Greenock. Burns & Laird Lines

EMPIRE SNIPE. 2497. Rothesay Dk., Clydebank. W. H. Muller & Co.

EMPIRE SPARTAN, 7009. Prince's. Clark
& Service

EMPIRE SPINEL. 650, Queen's, W. Robertson EMPIRE TEDRITA, 891, River Kelvin, Gow.

EMPIRE VICTORY, 21,846, King George V., Shieldhall, Chr. Salvesen & Co.
EMPIRE WINDRUSH (ex Monte Rosa), 13,882, Shieldhall Wf., T. Law & Co.
ENGADINE, 9050, James Watt Dk., Greenock, Greenock Dockyard Co.
ESSEX, 11,063, Plantation Qy., Govan, T. Law
& COLDRIDGE. 2885. Howdon Staiths Willing.

Greenock
LAIRDSBROOK, 761, Plantation Qy., Govan,
Burns & Laird Lines
LAIRDSBURN, 1270, Broomielaw, Burns &
Laird Lines
CHERUB (tug), 262, Baird's Graving, Common Bros. Laird Lines
LAIRDSCREST, 789, Queen's, Burns & Laird

EMPIRE CONY, 997, Springwell Tr., Jarrow. LAIRDSDALE, 891, Broomielaw, Burns & Laird Lines
LAIRDSGLEN, 1276. Broomielaw, Burns & Laird Lines
LANDAURA, 7250, Diesel Wf., Whiteinch, G. S. N. Co.
LANDEMER (tug), 533, James Watt Dk., Greenock, J. & J. Denholm
LEO J. DUSTER. 7176. James Watt Dk., Greenock, J. & J. Denholm
LANSTEPHAN CASTLE, 11,343, Meadowside
Qy.. Partick. The Admiralty
LOCHDUNVEGAN, 411, Lancefield Qy., D.
Macbrayne & Co.
LOCHGORM, 635, General Terminus Bys., D.
MacBrayne LAIRDSDALE, 891, Broomielaw, Burns & MacBrayne MAIDAN, 8150, Stobcross Qy., P. Henderson MAIDAN, 6100, Shouldess G., T.
& Co.

MANELA, 8303. Queen's. G. S. N. Co.

MARIE, 105, Kingston Dk., Port Glasgow,
Clyde Cargo Steamers

MARINE RAVEN, 11.805, King George V.,
Shieldhall, City Line

MATINA, 7000. Shieldhall Wf.

MEDIATOR. — Clyde Anchorage

MELAMPUS. 5962, King George V., Shieldhall, Roxburgh, Colin Scott & Co.

MELISSA, 520 Rothesay Dk., Clydebank.
J. B. Couper

MONARCH (cable), 8100, Clyde Anchorage

MOYALLON, 282, Bothesay Dk., Clydebank
J. B. Couper

J. B Couper NEA HELLAS, 16,991, Stobcross Qy., Anchor Line
NERITOPSIS, 8250, Great Harbour, Greenock,
Blythwood, Ltd.
NEUMARK, 7851, By. 5, Tail of Bank, H.
Hogarth & Sons (laid up)
NORFOLK, 14,000, John Brown's Yd., Clydebank. T. Law & Co.
NORWEGIAN, 6366, Queen's, Donaldson
Lines Lines IUGGET, 515. Rothesay Dk., Clydebank, W. ORCHY, 1090, Windmillcroft Qy., W. Sloan &

PETROBUS, 475
PIRROCH, 96. Kingston Dk., Part Glasgow
PORT WELLINGTON, 8700, J. Brown & Co. 8
Yd., Clydebank, P. Henderson & Co.
PROME, 7043, Elderslie Wt., Scotstoun West,
P. Henderson & Co.
QUARTXITE, 160. Greenock, Ross & Marshall
REGENT HAWK, 2169, Elderslie Dry 2, Gow,
Harrison & Co. Harrison & Co. KENTIGERN. 249, Rothesay Dk., Clydebank, J. Gardiner & Co. SAMAYE, 7219 Merklands Qy., Partick, Cayzer Irvine & Co. SAMLOUIS, 7219. King George V., Shieldhall, Rothurn, Colin Scott & Co. SAN VITO, 8163, Stobcross Qy., Gow, Harrison & Co.
SCOTTISH MUSICIAN, 7053, James Watt Dk.
Orenock, J. H. Sharpe & Co.
SHAHJEDAN, 5400. Victoria Harbour,
Greenock, Lithgows, Ltd.
SINKIANG (new), Garvel Dry, Greenock
SODIUM, 602, Kingston Dk., Port Glasgow. SOMERSET, 9800 Stobeross T. Law & Co. STAMFORD VICTORY, 7606, Queen's, Furness, Withy & Co.
STRAMORE. 266, Rothesay Dk., J. B. Conper
THE VICEROY, 824, Rothesay Dk., Clydebank.

J. Hay & Sons
THERMOL, 1902, Greenock
THORN. 256, Queen's, T. Dongall
TUSCULUM VICTORY, 7604, Queen's, Furness, Withy & Co.
ULNTER STAR. 576, General Terminus Bys.,
D. MacBrayne
UNETA 256 Greenock D. MacBrayne VINETA, 256, Greenock VINRIVER, 3881, Queen's, D. Alexander &

Sons
VIRGINIAN, 7985, Clyde anchorage
WAVE CHIEF (ex Empire Edgehill), 8159,
Harland & Wolff's Basin, Govan
WAVE KING. 8159, Yorkhill. The Admiralty
WELLPARK (new), Queen's, J. & J. Denholm
WHEATCROP. 523. Rothesay Dk., Clydebank,
Colin McPhail & Co.
WHIN, 466, Queen's, Colin McPhail & Co.
ZENA. 1450, Prince's, Glen & Co.

## TYNE-IN PORT

Tons Gross Dk. or Bth. ACTIVITY, 9700. Palmers Dry Dk., Hebburn, Runciman Shipping Co. ACTUALITY. 945. Peluw Main Staiths. Stephenson Clarke. Ltd. GAMEMNON, 7593, Walker Naval Yd..

Wallsend AKENSIDE (ex Langleebrook), 4246, Middle Dks., South Shields, Connell & Grace ALBION STAR, 7940. Dunston Staiths, Hull &

DES., South Shields, Connell & Grace
ALBION STAR, 794c. Dunston Staiths, Hull & Chicken
ALGERIAN, 2315, Wallsend Slipway, Anthony & Bainbridge
ALGONQUIN PARK, 7135, Commissioners' Staiths, N. Shields, Dent & Co.
ALLEGHENY, 328, Jarrow Oil Wf., Furness, Withy & Co.
AMSTRA, 8031, Smith's Dk., N. Shields, Mann, George & Co.
AMSTRA, 8031, Smith's Dk., N. Shields, Mann, George & Co.
AMSTRA, 8031, Smith's Dk., N. Shields, Mann, George & Co.
ARENA, 6362, Commissioners' Staiths, N. Shields, C. Lochen & Co.
ASK, 1541 South Shields Bys., C. Lochen & Co.
ASPO, 1331. Albert Edward Dk., N. Shields, W. Stowell, Ltd.
AURICULA, 8300. Hawthorn, Leslie & Co.'s
Shipyard, Hebburn
BASKERVILLE, 5550, Readhead's Dry, S. Shields, Runciman Shipping Co.
BEAL, 504. Mercantile Dry Dk., Jarrow, Tyne-Tees Steam Shipping Co.
BELGIAN COAST, 411, Newcastle Qy., Tyne-Tees Steam Shipping Co.
BELGIAN COAST, 411, Newcastle Qy., Tyne-Tees Steam Shipping Co.
BELGIAN COAST, 411, Newcastle Qy., Tyne-Tees Steam Shipping Co.
BENTISH CHANCELLOR, 7035. Wallsend Slipway, F. C. Strick & Co. (Newcastle)
BRITISH CHANCELLOR, 7035. Mallerd Slipway, F. C. Strick & Co. (Newcastle)
BRITISH EARL (new), Swan, Hunter & Wigham Richardson's Yd., Walker, F. C. Strick & Co. (Newcastle)
BRITISH ENERGY, 7209, Smith's Dks., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH FAITH, 6955, Swan, Hunter, & Wigham Richardson's Yd., Wallsend, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Spalmer's Dry, Hebburn, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Smith's Dks., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Smith's Dk., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Smith's Dk., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Smith's Dk., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 705. Smith's Dk., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 706. Smith's Dk., N. Shields, F. C. Strick & Co. (Newcastle)
BRITISH PRESTIGE, 706. Smith's Dk., N. Shields, CAPITOL. 1558. So

Noble & Co.
CAMBERWELL, 1577. Smith's Dks...N. Shields CAPITOL. 1558. South Bys.. Stephenson Clarke, Ltd.
CERVIA (tug), 157. Baird's Dk.. John Ridley, Son & Tulley
Son & Tulley
CHARLES DICKENS (ex Gryfevale), 4434, Mercantile Dry. Jarrow. Burnett & Co.
CHFLWOOD. 2742. Howdon Staiths, France Femwick Tyne & Wear Co.
CITY OF DIEPPE, 7958, Swan, Hunter, & Wigham Richardson's Yd., Walker, C.
Wigham Richardson's Yd., Walker, C.
Hassell & Son

13.882, Shieldhall Wf., T. Law & Co.
ENGADINE, 9050, James Watt Dk., Greenock, Greenock Dockyard Co.
ESSEX, 11,063, Plantation Qy., Govan, T. Law & Co.
EVVIVA, 1597, Prince's, J. & J. Denholm FASTNET, 1415, Springfield Qy., Clyde Shipping Co.
FORT KOOTENAY, 7133, Prince's, Glen & Co.
FRIEDA PETERS, 465
GEDDINGTON COURT, 6903, Rothesay Dk., Clydebank, J. B. Couper GLAS ISLAND, 198, Queen's, J. B. Couper GLAS ISLAND, 198, Queen's, J. B. Couper GLAS ISLAND, 198, Queen's, Furness, J. B. Joenholm (laid up) INDIA VICTORY, 7607, Queen's, Furness, Withy & Co.
JALARAJAN, 5000, Kingston Bsn., Greenock, Lithgows, Ltd.
JOSIAH P. CRESSEY, 1791, Queen's KAMERUN, 5042, By. 6, Tail of Bank, H. Hogarth & Sons (laid up)
KINDERSLEY, 1999. Great Harbour, Greenock, J. & J. Denholm KINGSBOROUGH, 3368, for James Watt Dk., Greenock
LATRDSBROOK, 761, Plantation Qy., Govan, T. Law & Co. EMPIRE BLACKWATER, 2917, Willington Co. EMPIRE BLACKWATER, 2917, Willington EMPIRE BLACKWATER, 2917, Willington EMPIRE BLACKWATER, 2917, Willington

ALEXIA, 8016. Greenwell's Dry Dk., France Fenwick Tyne & Wear Co. AMPULLA (trawler), 248. Shipbuilding Cor-poration Qy., Shipbuilding Corporation. Ltd. (Newcastle) EMPIRE BLACKWATER, 2917, Willington Hull & Chicken EMPIRE CONYNGHAM (ex Friedrich), 1408 Halvorsen & Sample 341, Howdon Staiths, EMPIRE CROCUS. 341, Howdon Status, G. T. Gillie & Blair
EMPIRE DUNBAR, 8130, North Eastern Marine Engineering Co.'s Yd., Wallsend EMPIRE GLORY, 7290, South Shields Bys., E. J. Sutton & Co.
EMPIRE HARCOURT, 2905, Brigham & Cowan's Dk., S. Shields, Runciman Ship ning Co. ping Co. EMPIRE HAVEN, 6852, Jarrow Slake, Runciman Shipping Co.
EMPIRE LETHE, So. Clelands (Successors),
Ltd., Willington Qy., E. R. Newbigin
EMPIRE RIDER, 965, Tyne Dk. Engineering
Co., Shields, Heslop & Robson
EMPIRE SOAR, 2740, Tyne Dk., S. Shields. EMPIRE SOAR, 2740, 1710 Common Bros. EMPIRE TEGENYA (ex Lisa Essberger). 1172, Dunston, L. S. Carr & Co. EMPIRE TIGAVEN, 972, South Shields Bys.. Hunting, Son & Co. EMPIRE TYNE, 3724, Commissioners' Staiths. North Shields, Lambert Bros.

Ltd.
GLENSIDE, 411, South, T. Rose & Co.
HAWKWOOD, 2850, Rack Bys., France, Fenwick Tyne & Wear Co.
HELMOND, 983, South, S. Marshall & Co.
HENDBIK, 2250, Pickersgill's Qy., W.
Pickersgill & Sons
HERDSMAN, 6800, Palmershill Qy., W. Doxford, & Sons EMPIRE TYNE, 3724, Commissioners' Staiths.
North Shields, Lambert Bros.
EMPIRE VIKING I. (whaler), 243, Northumberland Dk., N. Shields, Lambert Bros.
EMPIRE VIKING II. (whaler), 250, Northumberland Dk., N. Shields, Lambert Bros.
EMPIRE VIKING III. (whaler), 243, Northumberland Dk., N. Shields, Lambert Bros.
EMPIRE VIKING VI. (whaler), Dunston
Staiths, Lambert Bros.
EMPIRE VIKING VIII. (whaler), 381, Dunston Staiths, Lambert Bros. HERDSMAN. 6800. Palmershill Qy.. W. Doxford-& Sons
HESPERIDES (ex Empire Longstone), 5100.
Shipbuilding Corporation Co.'s Qy., Shipbuilding Corporation
ICEMAID. 1964. Rack Bys., J. Westoll. Ltd.
KEYNES, 1575. Austin's Qy.. J. Westoll. Ltd.
OYSTERMOUTH CASTLE (trawler), 283,
Shipbuilding Corporation Qy., Shipbuilding Corporation, Ltd.
RIO DIAMANTE, 5300, Clarks' Qy.. Short
Rros. Ltd. EMPIRE VIKING VIII. (whaler), 381, Dunston Staiths, Lambert Bros.

EMPIRE VIKING IX. (whlr.), 370, Dunston Staiths, Lambert Bros.

EMPIRE VIKING X. (whaler), 370, Dunston Staiths, Lambert Bros.

EMPIRE VOICE, 5828, Palmers Dry. Hebburn, Cairns, Noble & Co.

FERNMOOR, 4972, Palmers' Dry Dk., Hebburn, The Admiralty

FIREDOG, 1557, Harton Staiths, S. Shields, Stephenson Clarke, Ltd.

FIREGLOW. 1549, Dunston Staiths, Stephenson Clarke, Ltd. Bros., Ltd.

RONAN, 1499, Lambton Staiths, Common Bros.

ROVUMA (new), South, Bartram & Sons

WARREN FIELD. 403, Corporation Qy.. Issac son Clarke, Ltd. FOCH ROSE, 1135, Middle Dks., S. Shields, Heslop & Robson
FORT GLOUCESTER, 7127, Smith's Dks..
N. Shields, W. A. Souter & Co.
FULHAM, 1599, Dunston Staiths, Stephenson
Clarke, Ltd.
GALTNES, 1126, Clelands (Successors), Ltd.,
William of the Control of the Con

Willington Gy., C. Lochen & Co.
GLENGYLE, 9919, Walker, The Admiralty
GOLDMOUTH, 7402, Smith's Dk., N. Shields,
Mann, George & Co.
GOOLE No. 10 (tug), 169, South Shields Rys.
GREYFRIARS, 1142, Howdon Staiths, E. R. Newbigin HARPAGUS, 7271. Swan, Hunter, & Wigham Richardson's Yd., Walker, W. A. Souter & Co.

HELICINA, 12,250, Swan, Hunter, & Wigham Richardson's Yd.. Wallsend
HENDON (tug), 241, South Shields Bys.. France, Fenwick Tyne & Wear Co.
HOPESTAR, 5267, Spillers & Bakers, Newcastle, Stott, Mann & Flemming, Ltd.
HORNBY GRANGE (new), Hawthorn Leslie & Co.'s Yd., Hebburn'
HROAR, 1401, Newcastle Qy., Nielsen, Andersen, & Co.

sen & Co. INDIAN CITY, 7079, Tyne Dk., S. Shields, W. Dickinson & Co. INVERTYNE, 259, Jarrow Oil Wf., Furness, Withy & Co. INVICTA, 4178, Naval Yd., Walker, W. Mil-INVICTA, 4178, Naval Yd., Walker, W. Milburn & Co.
IRISH PLANE, 4706, Readhead's Dry, S. Shields, T. H. Seed & Co.
JUPITER, 2471, Tyne Commission Qy., P. H. Matthiessen & Co.
LADY GRACE (yacht), —, Bill Qy., Pelaw LADY KATHLEEN, 1832, Northumberland Dk., N. Shields, W. Cory & Son
LADY OLGA, 1266, Tyne Dock Engineering Co., S. Shrelds, Stephenson Clarke, Ltd.
LAMBTONIAN, 2781, Dunston Staiths, Tanfield S.S. Co.
LARGO, 2209, Jarrow Qy., Corner Bys., Pelton S.S. Co.

ES. Co.

LEANEDROS (ex Fleswick), 610, Mitchisons.
Felling, Antonaropulo Bros.
LENTO, 1893. Readheads Dry Dk., 8. Shlelds
Pelton S.S. Co.

LEVENWOOD, 1058. — C. Hassell & Son
LONGWOOD, 9463, Smith's Dk., N. Shields,
H. E. Moss & Co.

MALINES, 2980, Dunston Staiths, H. Gay
& Co.

MARGO, 1412, Dunston, Hull & Chicken
MARGO, 1412, Dunston, Hull & Chicken
MARTITA. 7331. Walker
MARTITA. 7331. Walker
MATCHING, 1321. Mercantile Dry, Jarrow,
Stephenson Clarke. Ltd.
MENESTHEUS, 7494, Palmers Dry Dk., Hebburn, Runciman Shipping Co.
METHILHILL. 648, Tyne Dock Engineering
Co., South Shields. W. Mathwin & Son
MIRALDA, 8013, Palmer's Dry, Hebburn,
Mann. George & Co.
NEVERITA. 8265, Swan, Hunter, & Wigham
Richardson's Yd., Wallsend
NIKOS T., 5175, Mercantile Dry, Jarrow, R. S
Dalgliesh
NORTHWOOD. 1146. Dunston Staiths J. H.

NORTHWOOD, 1146, Dunston Staiths, J. H. Walton & Co.

NUCULANA, 8179, Hawthorn Leslie & Co.'s Shipyard, Hebburn, Mann, George & Co. OAKWORTH, 4968. Dunston, R. S. Dalgliesh OSSIAN, 1514, Smith's Dks., N. Shields, L. S. Carr & Co.

PENSHURST, 1454, Tyne Dk., Engineering Co., S. Shields, Speeding, Marshall & Co. PETWORTH, 972, Northumberland Dk., Stephenson Clarke, Ltd.

PORT LINCOLN, 7246, Newcastle Qy., W. Milburn & Co. PORT LINCOLN, 7246, Newcastle Qy., W. Mi-burn & Co.
PORT PIRIE, 10.600, Swan, Hunter, & Wigham Richardson's Yd., Wallsend PORTSLADE, 927, Pelaw Main Staiths, Stephenson Clarke, Ltd. RALOO, 1558, Clelands (Successors), Ltd., Willington Qy., E. R. Newbiggin REGENT TIGER, 10.000, Swan, Hunter, & Wigham Richardson's Yd., Wallsend REUBEN SNOW, 1813, Brigham & Cowan's Dk., & Shields, Anthony & Bainbridge RONDO, 2750, Dunston Staiths, Pelton S.S. Co. RUDBY, 4946, Middle Dks., & Shields, Anthony & Bainbridge SAGONA, 7554, Dunston Staiths, C. Lochen & Co.

SAGONA, 7954, Bunston Stains, C. Locale S. Co.

SAMTAMPA. 7219, Albert Edwards, N. Shields, Furness, Withy & Co.

SANGARA, 5445, Middle Dks, S. Shields Weidner, Hopkins & Co.

SCHUYLKILL, 8965, Dunston Staiths, Furness, Withy & Co.

SNEGA, 5140, Tyne Dk., S. Shields. Weidner Hopkins & Co.

SHELBRIT 2, 695. Smiths Dks., N. Shields. Furness, Withy & Co.

SOLBRITT, 1885, Dunston Staiths, Harper Hopps & Co.

SOUTHERN GEM (whaler), 593, S. Shields Bys., Cairns, Noble & Co. SOUTHERN GEM (whaler), 593. S. Shields
Bys., Cairns. Noble & Co.
SOUTHERN TRUCE (whaler), 364. Middle
Dks., S. Shields, Cairns, Noble & Co.
SOUTHERN VENTURER, 14,066, Middle Dks.
S. Shields, Runciman Shipping Co.
SOUTHERN WAVE (whaler), 319. Middle
Dks. S. Shields, Cairns. Noble & Co.
STANHOPE, 2337, Tyne Dk. Engineering Co.
S. Shields. E. R. Newbigin
THORSHOVDI (forepart), Swan, Hunter, &
Wigham, Richardson's Yd., Wallsend, C.
Lochen & Co.

(THE CARDIFF CHANNEL DRY DOCKS & PONTOON CO., LTD.)
(THE BARRY GRAVING DOCK & ENGINEERING CO., LTD.)
PRIVATE GRAVING DOCKS

MOLLOU.

LLOYD'S LIST

1598, Dunston Staiths Clarke, Ltd.

SUNDERLAND—IN PORT

EMPIRE ELGAR, 2847, South, T. G. Irving,

EMPIRE SALLY (tug) (new), Scotia Qy.
J. F. Marshall & Son
FIREGUARD, 2015, North Qy. Bys., J.
Westoll, Ltd.
GANESELLA, 4970, Manor Qy., J. L. Thompson & Son
GASLIGHT, 1696. Greenwell's Qy.. J. Westoll.
Ltd.

HULL-IN PORT

Vessel Tons Gross Dk. or Wf. Broker ALT, 1004, Albert. Ellerman's Wilson Line ANGELO, 2199, Albert, Ellerman's Wilson Line ARABISTAN, 7369, Alexandra, F. C. Strick

ARDGRYFE, 979, Alexandra, Atkinson &

Prickett BARON YARBOROUGH, 3388. King George, Sivewright, Bacon & Co. BASSANO, 4986, Alexandra, Ellerman's Wil-

SON Line BEN READ, 449, Salt End Oil Jetties, R. Rix

& Sons BLYTH, 1108. Humber, Ellerman's Wilson

BRENDONIA, 489, Victoria, Craggs & Jenkin

BRENDONIA, 489, Victoria, Craggs & Jenkin BROUGHTY, 504, Humher, Dundee. Perth & London Shipping Co.
BUG, 565, Victoria, Craggs & Jenkin CALUMET, 7268. Alexandra. McGregor, Gow & Holland CHARLES TREADWELL, 1814, Victoria, Ellerman's Wilson Line CITY OF CHARLEROY, 869. Alexandra. Brown, Atkinson & Co. CLAN MACILWRAITH, 4859, Alexandra, W. Brown, Atkinson & Co. CLOVA, 310, Humber, Dundee. Perth & London Shipping Co.

Shipping Co. CRACKSHOT, 2380, King George, Atkinson &

Prickett
DORNOCH, 5186, Alexandra, Lambert Bros.
DUKE OF SPARTA, 5397, Alexandra,
McGregor, Gow & Holland
EBBRIX, 258, Victoria, R. Rix & Sons

EILEEN M., 323, Alexandra, Oughtred &

Harrison
ELYSIAN ('OAST, 496. Humber, Ellerman's
Wilson Line
EMPIRE CANNING, 6997. King George.
Brown, Atkinson & Co.
EMPIRE CONDOVER, 1883, Albert, Eller-

EMPIRE FAIRPLAY, 410, Victoria, R. H.

der Bros. & Co.
EMPIRE SALERNO, 877, Alexandra, Ellerman's Wilson Line
EMPIRE SEABROOK, 518, Albert, Atkinson &

Prickett EMPIRE TERN, 2479, Alexandra, Sivewright.

Bacon & Co. EMPIRE VISCOUNT, 8882, King George ERNA. 865, Victoria. R. Rix & Sons FIRECREST, 538, King George, R. Rix &

FORT CARLTON, 7131, King George, Houlder Bros. & Co.

Bros. & Co.
FORT ST. REGIS, 7140. Alexandra, Brown.

GLOUCESTER, 8532, King George, G. S. N.

CO.
GODFREY B. HOLT, 3585, Alexandra.
McGregor, Gow & Holland
HARROGATE, 1113, Victoria, Ellerman's Wil-

Sivewright Bacon & Co.

SPERO, 1589, Albert, Ellerman's Wilson Line
TITANIA, 750, Victoria, G. S. N. Co.
ULLEA, 1383, Victoria, I. Good & Sons
WANDLE, 1482, Alexandra, Stephenson Clarke,
Ltd

Tons Gross Dk. or Wf. Broke

Wed., July 31, 1946 19

SHIPBUILDERS AND REPAIRERS J. RICHARDS, North Dock SWANSEA SHIP REPAIRER : ENGINEER Fleet of Mobile Electric Welding Plants available for

WIMBLEDON, 1598, Dunston Staiths.
Stephenson Clarke. Ltd.
WOOLER, 507, Mercantile Dry Dk., Jarrow,
Tyne-Tees Steam Shipping Co.
WORTHING, 2294, Jarrow, W. Milburn & Co.
YARMOUTH TRADER, 312, Northumberland
Dk., N. Shields, John Ridley Scn & Tully
YEARBY, 5566, Smith's Dks., N. Shields
YEWARCH, 827, Tyne Dock, S. Shields, G. T.
Gillie & Blair, Ltd.
YEWPARK, 827, Johnson's Wf., Gateshead.
G. T. Gillie & Blair Floating Plant. Stationary Electric Welding Plants at Workshop AMBRIA COMMERCIAL DRY DOCK AVAILABLE Dock Lengths: 263 ft. by 41 ft. 6 in. by 36 ft. Telephone—3048

> COCHRANE, MORGAN & CO. LTD. HARBOUR REPAIR WORKS Ship Repairers Boilermakers Engineers

Vessels Docked, Painted and Overhauled 199, Woodville St., Govan, GLASGOW, S.W.1 Ltd.
BRITISH MARSHAL, 8500, Doxford's Qy.,
W. Doxford & Sons
BRITISH PRINCESS, 8500, Laing's Qy., Sir
J Laing & Sons
BRITTANY, 4800, South, W. Pickersgill & Phones | Govan 540 'Grams:
Pollok 0960 (night) 'Gangway Glasgow

THE ANGLO-SWEDISH **ELECTRIC WELDING CO. Ltd.** 

WOOD WHARF, GREENWICH, LONDON, S.E.: Also at Glasgow, Newcastle-on-Tyne & Leith Sons
ORIAN COAST, 967, Corporation Qy., TyneTees Steam Shipping Co.
EASTWOOD, 1551, Austin's Dry, France, Fenwick Tyne & Wear Co.
EGYPTIAN (new), Manor Qy., J. L. Thompson & Sons, Ltd.
EMPIRE FAIRWAY, 410, Lambton Staiths,
Common Bros. Experts in High-Class Welding and Repairs THE NORTH WESTERN A.S.E.W. CO., LTD SEFTON STREET, LIVERPOOL



REPAIRS ON THE N.E. COAST

**BRIGHAM & COWAN** SOUTH SHIELDS

DRY DOCK OWNERS SHIP, ENGINE & BOILER REPAIRERS ELECTRIC WELDERS **BRIGHAM & COWAN** 

HULL (HULL) Ltd.
Grams: "Repairs" Phone: Central 34666 (5 lines)

THE TIME BOOK ENGINEERING CO., LIM. DRY DOCK OWNERS

MERCANTILE DRY DOCK JARROW-ON-TYNE 
 Dry Dock Owners, Ship, Engine & Boiler Repairers

 No. 1 Dock 425 ft. long
 Breadth at Gates 60 ft.

 No. 2 " 362 ft. " 50 ft.
 50 ft.

 No. 3 " 450 ft. " 60 ft.
 " 60 ft.

REPAIRING QUAY 1800 FEET LONG Portable Electric Welding and Compressors
Telegraphic Address-" Mercantile Jarrow"

THE MIDDLE DOCKS & ENGINEERING CO. LTD. Dry Dock Proprietors Ship, Engine & Boiler Repairers,

Middle Docks, South Shields Telegrame-" Repairers, South Shields
DIMENSIONS OF DRY DOCKS No. 1—315 ft long. No. 2—406 ft long. No. 3—460 ft, long. No. 4—640 ft, long. No. 4—640 ft, long.

man's Wilson Line
EMPTRE CONSENT, 1942, Alexandra, Ellerman's Wilson Line
EMPTRE FABRIC, 411, King George, R. Rix Repairing Quays alongside Workshops 1450 ft Managing Director: Lawrence Edwards. PALMERS HEBBURN EMPIRE FARRIER, 411, Victoria, Craggs &

CO. LTD. FOR SHIP ENGINE & BOILER REPAIRS



Wallsend 63351 (2 lines), after hours Gosforth 52794 CLELANDS (SUCCESSORS) LTD

Ship Builders Ship Kepairers
Engineers and Boiler Smiths
WILLINGTON QUAY-ON-TYNE Docking facilities for vessels up to 310 ft. in length: 3 building borths up to 250 ft.

JOHN READHEAD & SONS, LTD

Shipbuilders, Repairers Engineers & Boilermakers SOUTH SHIELDS GRAVING DOCK OWNERS No. 1 Dock ... ... 330 ft. by 48 ft. No. 2 Dock ... ... 450 ft. by 65 ft.

Deen water Renairing Quays 1700 ft. in length Telephones— Telegrams— South Shields 691-4 "Readhead South Shields" BUILDING BERTHS FOR NEW CARGO VESSELS UP TO 500 FEET IN LENGTH

Son Line

HELEN BIRCH. 159, Victoria, B. W. Steamship, Tug & Lighter Co.
HORSA 979, Albert, Ellerman's Wilson Line
JERRY IRWIN —, Albert.

KALEV, 1867, King George V., W. Tully & Co.
LIEUTENANT LANCELOT, 965, Albert,
Atkinson & Prickett
MELITO, 1070, King George, Atkinson &
Prickett **HUMBER GRAVING DOCK** & ENGINEERING CO., LTD. 158, Victoria, B. W. Steamship Tug **IMMINGHAM** 

& Lighter Co. MOORMYRTLE, 350 (net), Alexandra, Cragga & Jenkin NEKRASOV. 1912, Alexandra, Cutting & Co. NIEUWAAL, 590, Albert, T. E. Kettleweil & Telephones—271, 272, 273 Immingham Telegrams—Repairs, Immingham Dock General Manager's House—249 Wootton (Nr. Grimsby) Works Manager's House—2563 Grimsby NORDIA, 1864. Victoria, Oughtred & Harrison NORDIA, 1864. Victoria, Oughtred & Harrison NORTHLEIGH, 5450, King George, W. H. Cockerline & Co. NURTURETON, 6272. King George, W. Brown, Atkinson & Co. OMEGA, 3788. Alexandra, Lambert Bros. PAUL M., 492. Victoria, Oughtred & Harrison PETERTOWN, 528, Alexandra, Craggs & Jenkin

PRIVATE DRYDOCK WITH FULLY EQUIPPED REPAIRING BERTHS ALONGSIDE.

GRIMSBY

PETERTOWN,
Jenkin
PETREL. 921. Humber. G. S. N. Co.
RIVER TRENT. 246. Victoria, R. H. Hunt
SAMUTA, 7219, King George, W. Brown.
Atkinson & Co.
SCOTTISH MONARCH, 7005. King George.
Sivewright Bacon & Co. Ship Repair and Engineering Works No. 1 GRAVING DOCK, ROYAL DOCK Telephone-3032 Telegrams-Repairs, Grimsby Works Manager's House-2213 Grimsby.



#### TIMBER MEASURING CUSTOMS' FUND

MEASUREMENT FOR PURCHASE SALE OR FREIGHT.

MEASUREMENT AT ALL PORTS. Resident staff of measurers at the principal timber ports. Please address enquiries to Head Office —
J. H. DEARDS, Manager
Timber Measuring Dept.
Customs' Fund,
City Gate House, Finsbury Square,
London, E.O.

BARRY, NEWPORT, AVONMOUTH

CARDIFF, Dry Dock Owners and Shiprepairers

HEAD OFFICE: CARDIFF Telegrams: "Mountstuart"

Telephone: 5103

Amsterdam, Rotterdam, N. France, Antwerp, Ghent, Etc. FROM AND TO

Liverpool, Manchester & Southampton ANTWERP and GHENT, from and to GLASGOW GHENT, from and to BELFAST

#### AGENTS

Liverpool & Manchester—For Rotterdam, Amsterdam and N. France Steamers— WILSON, SON & CO., 18, Chanel Street, Liverpool; and 33, Brazennose Street, Man-

For Antwerp and Ghent Steamers:— J. T. FLETCHER & CO., 18, Chapel Street, Liverpool; and 33, Brazennose Street, Man-chester.

Garston-ED. W. TURNER & SON. Glasgow-CLYDE SHIPPING CO., LTD. Belfast-G. HEYN & SONS, LTD. JAMES LITTLE & CO. (BELFAST), LTD. Barrow—JAMES FISHER & SONS.

Southampton—DAWSON BROS. (Shipping), LTD. London-PHS. VAN OMMEREN (LONDON), LTD., 37/38, Fenchurch Street, E.C.3. Antwerp, Ghent-JOHN P. BEST & CO.

Rotterdam - P. A. VAN ES & CO., PHS. VAN OMMEREN'S SHIPPING BUSI-NESS, LTD.

Ameterdam-VAN ES & VAN OMMEREN HOLLAND STEAMSHIP CO.

#### CURRIE LINE BROCKLEBANK MEDITERRANEAN AND

PENINSULAR SERVICES

LONDON to LISBON: LONDON to MARSEILLES, GENOA, LECHORN, NAPLES and SIGILY: s.s. MERKLAND (cargo only) Closing Aug. 6

For rates of freight apply to Bankside House, 1076, Leadenhall St., London, E.C.3. Tel. No.: Avenue 1576. DENMARK

s.s. GOTHLAND (cargo and passengers)

LEITH to COPENHAGEN:

Closing August 7
Closing August 7
Sailing August 9
For rates of freight apply to 16, Bernard St., Leith Edinburgh, 5. Tel. No.: 37501. Passage reservations to Trinity Cottage, Goldenacre. Edinburgh, 5. Tel. No.: 35274. FINLAND

Joint Service with Finland Steamship Co. Ltd.

ditions permit:— th and Grangemouth to Poland and Russian Baltic Ports.
Lith, Grangemouth, Dundee, Middlesbrough and Glasgow to Hamburg and Bremen.
Liverpool and Manchester to Hamburg and Bremen.

CURRIE LINE LTD., TRINITY COTTAGE, GOLDENACRE, EDINBURGH. 5.

#### MANCHESTER LINERS PAST REGULAR SAILINGS

MANCHESTER to CANADA UNITED STATES

For Rates of Freight, Sallings, etc., apply to OWNERS: MANCHESTER LINERS LIMITED, St. Ann's Square, Manchester 2. Tel.: BLAcktriars 1641 (8 lines). T.A.: Nauticus Manchester.

RED SEA AND EAST AFRICA CLAN LINE | JOINT | SERVICE

NEWPORT, GLASGOW AND BIRKENHEAD to PORT SAID, PORT SUDAN, ADEN, MOMBASA TANGA, ZANZIBAR AND DAR-ES-SALAAM. Particulars and Sailings, etc., from Agents:

Jones, Heard & Co., Ltd., Newport, Mon. Clan Line (Agendes) Ltd., Birmingham. J. W. Jones & Sons, Manchester. H. Spencer Yates (Ellerman & Harrison Lines), Birmingham. R. Thomas & Co., Bradford and Sheffield.

Orto the Owners: Cayger, Irvine & Co., Ltd., London, Glasgow and Liverpool, Thos. & Jas. Harrison, Liverpool and London. Hall Line Ltd., Liverpool, The City Line Ltd., Glasgow. C.2.

#### UNITED BALTIC CORPORATION U.K. PORTS

GDANSK (Danzig), GDYNIA, KLAIPEDA (Momel), LIEPAJA (Libau), RIGA, TALLINN AND FINNISH PORTS

Services suspended during the war have be resumed where conditions permit and indument offers.

For further particulars— U.B.C., Itd., 158, FENCHURCH ST., LONDON, E.C. Tela: "Orienteako" London. 'Phone: MAN 3311 (8 lines)

## HOULDER BROTHERS

& CO., LTD. SHIP OWNERS Ship, Insurance, Loading and Passenger Brokers and General Forwarding Agents Regular Departures

TO RIVER PLATE From London, Liverpool and Bristol Channel
To AFRICA (South & East)

TO AUSTRALIA AND OTHER PARTS OF THE WO Head Office-53, Leadenhall St., LONDON, E.C.3

AMSTERDAM

## PRINCE LINE

MANCHESTER to TUNIS, MALTA, ALEXANDRIA, PALESTINE, SYRIA, CYPRUS.

LEITH, TYNE, MIDDLESBRO', LONDON to MALTA, ALEXANDRIA, PALESTINE, SYRIA, CYPRUS. AGENTS-Gough & Crosthwaite, Lta., St. Ann's Sq., Manchester. Furness, Withy & Co., Ltd., Middlesbrough & Liverpool. SERVICES FROM NEW YORK

To BRAZIL and RIVER PLATE-SOUTH and EAST AFRICA-ROUND THE WORLD, U.S.A., FAR EAST COLOMBO, HALIFAX and U.S.A. Agents—FURNESS, WITHY & CO., LTD., 34, Whitehall Street, New York, Head Office—

56, Leadenball St., London, E.C. 3

#### BIBBY LINE

MARSEILLES, EGYPT, SUDAN CEYLON AND BURMA.

BIBBY BROTHERS & CO., Martins Bank Building Water St., Liverpool 2

**SWEDISH LLOYD SERVICES** London, Newcastle, Leith, Liverpool and Manchester,

To Gothenburg and other Swedish West Coast
Ports and vice versa
For information apply— The British & Northern Shipping Agency, Ltd. Marlow House, Lloyds Avenue, London, E.C.3 Phone: Royal 3161 (11 lines) 'Grams: "Agbrinor Fen"

# LINE

**GLASGOW & LIVERPOOL to CALCUTTA** 

For Rates of Freight apply to-THOS. & JNO. BROCKLEBANK, LTD., LIVERPOOL, MANCHESTER, DUNDEE and SHEFFIELD: or their Agents

# OUSTON

To SOUTH & EAST AFRICA

HOUSTON LINE (LONDON) LIMITED or to JOHN M. LENNARD & SONS. LTD.. Middlesbrough

BOOTH LINE

To North Brazil & Iquitos

Fir details of sailings and rates of freight to PARA, MANAOS, IQUITOS, LETICIA, MARANHAM, CEARA & PARNAHYBA THE BOOTH STEAMSHIP COMPANY, LTD,.
London Freight Brokers—

AOXON, SALT & CO., LTD.,
Leadenball House, 101 Leadenball St., E.C.3.

#### Nordenfjeldske MEDITERRANEAN LINES

LONDON AND ANTWERP to MALTA, BARCELONA, GENOA,

LEGHORN, NAPLES, SICILY, PIRÆUS, PATRAS, SALONIKA. Registration of cargo not necessary

REGULAR FORTNIGHTLY SAILINGS by ROLF JARL HAAKON JARL TORFINN JARL BRUSE JARL TORE JARL ATLE JARL

NORDENFJELDSKE STEAMSHIP SERVICES LIMITED

FENCHURCH STREET, LONDON, E.C.3 Telephone:
'Nordenjarl, Stock, London." Mansion House 3074-75

MESSAGERIES MARITIMES EGYPT PALESTINE SYRIA Passenger bookings can now be effected without priority.

Next sailing from Marseilles— 8.8. ANDRE LEBON ... ... ... 12th August, 1946

All enquiries to
72/5, Fenchurch St., London, E.C.3,
Telephone: ROYal 5107

E. JOHNSTON & CO., LTD. Steamship Agents
SANTOS, RIO DE JANEIRO
LLOYD'S AGENTS AT SANTOS

Head Office: 20, King William St., London, E.C.4 British and neutral shipowners whose vessels may be ordered to Brazil are reminded that E. Johnston & Co. Ltd., will be pleased to look after their interests and render any assistance necessary at the above-mentioner parts. Cable address in both cases "JOHNSTON."



MEDITERRANEAN

## -GENERAL STEAM NAVIGATION CO. LTD.-

Regular Sallings from LONDON to: HAMBURG ANTWERP CALAIS CHARENTE BREMEN BORDEAUX BOULOGNE HARLINGEN OPORTO

TERNEUZEN

ROTTERDAM DUNKIRK HAVRE PORTS Also Coastwise Services from LONDON to LEITH and HULL Apply-15, TRINITY SQUARE, LONDON, E.C.3 Phone-ROYAL 3200

TREPORT

#### INSTONE LINES

CIE. BELGE TRANSMARINE SOC. AN. NAVIGATION TRANSMARINE SOC. AN IMPERIAL STEVEDORING COMPANY. 1, RUE RUBENS, ANTWERP

Regular Cargo Services to and from ANTWERP/LONDON AND ANTWERP/CARDIFF

ADDRESS ENQUIRIES TO

S. INSTONE & CO., LTD., 52, Leadenhall St., London, E.C.3 Telegrams-" Electively London." Telephone-ROYal 2644.

# VESSELS EXPECTED AT UNITED

e Date, Broker and Berth

KINGDO	
Showing Vessel, Voyage, Pro	bable
LONDON American Former New York	Tevi
American Farmer, New York, United States Lines (Royal Albert). Anson P. K. Safford, Baltimore, Aug 2	Trev
United States Lines (Royal Albert). Anson P. K. Safford. Baltimore. United States Lines (Victoria). Arabian Prince, Haifa, Westcott & Laurance Australia Star, Sydney, Blue Star Line. Athelchief, Texas City, W. Hurst (Isle of Grain). Aylesbury, Buenos Aires, Capper, Alexander & Co. Baltannic, Wellington, J. B. Westray & Co. Baltarffic, Lyttelton and Montevideo, J. B. Westray & Co. Baronesa, Buenos Aires, Houlder Bros. & Co. Beaverburn, Baltimore & New York, Cunard White Star Beaverglen. Montreal, Canadian Pacific S.S. Begonia, Halifax, Nelson Donkin & Co. (Surrey Com.). Benvorlich, Hongkong, Galbraith. Pembroke & Co. Blairdevon, Clarke City, Tatham, Bromage & Co. Burma, Calcutta, P. Henderson & Co. (Tilbury).	Way
Australia Star, Sydney, Blue Star Line. Athelehief "Faves City"	Į (
Athelchief, Texas City, W. Hurst (Isle of Grain).  Aylesbury, Buenos Aires, Aug 10	Alca
Capper, Alexander & Co. Baltannic, Wellington, Aug 15 J. B. Westray & Co.	Ande
Baltraffic, Lyttelton and Montevideo, Sep 13 J. B. Westray & Co. Baronesa, Buenos Aires. Ang 11	Aqui C Arun
Houlder Bros. & Co. Beaverburn, Baltimore & New York, early Aug	Atlan
Beaverglen. Montreal, Aug 7 Canadian Pacific S.S.	Briti
Begonia, Halifax, Aug 2-4 Nelson Donkin & Co. (Surrey Com.). Benreoch. Adelaide. Aug 2	Cant
Shaw Savill & Albion Co. (King George V.). Renverlich Hongkong	Dar
Galbraith. Pembroke & Co. Blairdevon, Clarke City.  abt Aug 5	Lady
Burma, Calcutta, P. Henderson & Co. (Tilbury).	Llang
Tatham, Bromage & Co. Burma, Calcutta. P. Henderson & Co. (Tilbury). Cairnavon, New York. Cunard White Star Canton. Bombay via Southampton, P. & O. S. N. Co. Capella, Sandvik, H. Lange, Bell & Co. (Surrey Com.). Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, P. & O. S. N. Co. Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, Aug 16 Aug 16 Aug 3 Aug 14 Aug 6 Aug 16 Aug 3 Aug 16 Aug 3 Aug 16 Aug 3 Aug 16 Aug 3 Aug 17 Carthage, Bombay via Southampton, Carthage, Bombay via Southampton, Aug 21 Aug 3 Aug 16 Aug 4 Aug 6 Aug 16 Aug 3 Aug 16 Aug 4 Aug 6 Aug 16 Aug 3 Aug 16 Aug 6 Aug 16 Aug 3 Aug 16 Aug 6 Aug 6 Aug 16 Aug 6 Aug 6 Aug 6 Aug 16 Aug 6 Aug 6 Aug 6 Aug 16 Aug 6 Aug 7 Aug 6 Aug 6 Aug 6 Aug 6 Aug 6 Aug 7 Aug 6 Aug 7 Aug 6	Otrai
P. & O. S. N. Co. Capella, Sandvik,	Quee
Carthage, Bombay via Southampton, Aug 21 P. & O. S. N. Co.	Ranc E Stirli
Charlbury, Buenos Aires, Aug 17 Capper, Alexander & Co. City of Alma, Mobile, Aug 4	Strat
Runciman (London). City of Leicester, Turkey, early Sep. Wastoott & Laurance	Thys Unite
City of Norwich, Philippines and Hongkong Oct 7	Wash
Montgomerie & Workman. ('ity of Swansea, Beira, Aug 12 Montgomerie & Workman (Tilbury).	РО
City of Tokio, Singapore, Sep 6 Montgomerie & Workman. Clan Cameron, Beira	Empi P C
Cayzer. Irvine & Co. Clan Campbell, Sydney via Liverpool, Aug 23	Avris
Montgomerie & Workman.  Montgomerie & Workman.  Wontgomerie & Workman (Tilbury).  City of Tokio, Singapore, Montgomerie & Workman.  Clan Cameron. Beira, Cayzer. Irvine & Co.  Clan Macangerie, Sydney via Liverpool, Cayzer, Irvine & Co. Clan Macnair, Madras, Cayzer, Irvine & Co. (Tilbury).  Condesa, Buenos Aires, Houlder Bros. & Co. Diplodon, W.C. Africa, E. H. Mundy & Co. Dundee, Cadix, MacAndrews & Co. (London Dk.).  Durango, Buenos Aires,  Aug 20	Baha B
Condesa, Buenos Aires, Aug 21 Houlder Bros. & Co. Diplodon, W.C. Africa, Aug 12	Delili
E. H. Mundy & Co. Dundee, Cadox, & Co. (London Dk.)  Aug 1	Empi M F. J.
Durango, Buenos Aires, Royal Mail Lines. Edward F. Johnson, New York, abt Aug 10 Anglo-American Oil Co.	Fort B
Edward F. Johnson, New York, abt Aug 10 Anglo-American Oil Co. Emanuel, Pitea, Jly 31-Aug 1	Fort
Emanuel, Pitea, Jly 31-Aug 1 J. Gronsund & Co. (Surrey Com.). Empire Arun, Durban via Antwerp, Aug 6 Bullard, King & Co.	Gleny J. Graig
Empire Athelstan, Freetown, Aug 8	Graig C Lord
Empire Clarendon, Sydney, Aug 20 P. & O. S.N. Co. Empire Macalpine, Montreal, Aug 5	Pacif C Same
(Victoria). Empire Neptune Abadan. Ang 16	BR
Empire Raja, Singapore, Aug 6	Hera M
Empire Success, Mombasa, end Aug	Herv V Moyl
Royal Mail Lines (West India).	Star,
Coverley, Westray, Walbaum & Tosetti (London Dk.).	SH
Anderson Green & Co (Tilbury)	V
Fort la Cloche, Rosario, H. G. Mann (Shipping). Fort Spokane, Montreal. Cunard White Star. (King George V.)	Vibel J NE
	Fort Vesla
1. Dens & Co. (Fresh Wt.). Frederik. Rotterdam, J. A. Finzi, Layman & Co. (Cory's Albert Dk. Hoists).	CA
Frode, Škutskar, Aug 2 S. L. A., Ltd. George E. Merrick, Baltimore, Aug 2	Killu Kvik C
Frode, Skutskar, Aug 2 S. J. A. Ltd. George E. Merrick. Baltimore, United States Lines. Glenogle, Shanghai, Glen Line. Gothia. Lake Vener, S. J. A. Ltd. Greth. Gefle. S. L. A. Ltd. Halton R. Carey, Baltimore, United States Lines. Highland Monarch, Buenos Aires, Royal Mail Lines.	Trans
Gothia. Lake Vener, Aug 1 S. L. A., Ltd.	BA Radn
Greth. Gefle. Aug 1 S. L. A., Ltd. Halton R. Carey, Baltimore, Aug 7	PO
United States Lines. Highland Monarch, Buenos Aires, end Aug	Karn S.
Idomeneus, Newcastle (N.S.W.), Aug 9 Glen Line.	Ben B
Iris, Holmsund, Aug 3 E. Lloyd (Ridham) James Bennett Moore, New York, now due	Four B Lodes
United States Lines (Victoria) Kindat, Vizagapatam via Liverpool, P. Henderson & Co. (Tilbury). Kollgrim (ex Norheim), Curacao, W. Hurst (Isle of Grain).	Lodes Si Pan B
Kollgrim (ex Norheim), Curacao, Jly 31 W. Hurst (Isle of Grain).	San
Houlder Bros. & Co.	Adras
Royal Mail Lines Lucy Borchard, Halifax. Fairplay, Towage & Shipping Co. Magdapur, Calcutta.  Aug 3	Amer C Athel
A. Howden & Co	Balta
Mahia, New Plymouth, Shaw Savill & Albion Co. (King George V.). Malacca, Shanghai, mid Aug	Beave
Escombe, McGrath & Co.	Brita
Manipur, Calcutta, Aug 22 Montgomerie & Workman (Tilbury).	Cape B
Maria Gorthon. Oulu, now due E. Lloyd (Ridham Dk.).  Mathura, Calcutta, Aug 16	City
A. Howden & Co. Mauritz, Hudksvall, B. E. Moors & Co. (Surrey Com.).	City City H
Meroe, Genga, Aug 3 G. S. N. Co. Mewata Park, Victoria (B.C.), Aug 10	City
Furness, Withy & Co. (Surrey Com.) Missionary Ridge, Aruba.  Aug 1-2	City
Pacheco, Barcelona, Ang 6 MacAndrews & Co. (London Dk.).	Clan
A. Howden & Co.  Mauritz. Hudksvall. B. E. Moors & Co. (Surrey Com.).  Meroe, Genga, G. S. N. Co.  Mewata Park. Victoria (B.C.), Furness. Withy & Co. (Surrey Com.).  Anglo-American Oil Co. (Shell Haven).  Pacheco, Barcelona, MacAndrews & Co. (London Dk.).  Paparoa, Lyttelton via Panama, J. B. Westray & Co.  Perim. Sydney, P. & O. S. N. Co.  Port Alma. Rluft.  Aug 18	Clan Clan Clan
P. & O. S. N. Co. Port Alma. Bluff. Port Line Aug 18	Clan Comb
Port Halliax, Melbourne, Aug 24	Congo H Demo
Port Line.  Port Line.  Oueda Calentte	A Devis
Gray, Dawes & Co. Ranchi. Bombay via Southampton, Aug 19	Empi
Gray, Dawes & Co. Ranchi. Bombay via Southampton, P. & O. S. N. Co. Rangitata, Wellington, J. B. Westray Co. Raphael Semmes, Norfolk. Puncium (Lordon) West India)	Empi Empi W
	Empi
British & Northern Shipping Agency. (Millwall).  Piver Raisin Aruba	Empi C Empi
Anglo-American Oil Co. (Thames Haven).	Empi
Anglo-American Oil Co. (Thames Haven). St. Clears, Trinidad, Howard Tenens. Samakron, Kingston (Ja). Parel Meil Trinidad, early Sep	Empi H
Royal Mail Lines.	Empi

				2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
to	American Farmer, New York, Aug 3	Teviot, Puerto Deseado via Havre, Royal Mail Lines.	Aug 29	e 8
	United States Lines (Royal Albert).	Trevince, Bahia Blanca, Hain S. S. Co.	now due	
ol.	United States Lines (Victoria). Arabian Prince, Haifa. Aug 20	Wave Monarch, Abadan. W. Hurst (Sheerness).	Aug 1	
T	Aug 2 United States Lines (Victoria). Arabian Prince, Haifa. Westcott & Laurance Australia Star, Sydney, Blue Star Line. Athelchief, Texas City, W. Hurst (Isle of Grain). Aug 10 Aug 10 Aug 20	William C. Endicott, New Orleans, American S.S. Lines Agency. (Surrey Commercial).	Aug 3	V2.22.23
	Athelchief, Texas City, Aug 1 W. Hurst (Isle of Grain).	SOUTHAMPTON		Cunard R.M.S. "Mauretania"
	Aylesbury, Buenos Aires, Aug 10 Capper, Alexander & Co.	Alcantara, Mombasa, Royal Mail Lines.	Aug 13	( Royal 6921 (4 line
	J. B. Westray & Co. Baltraffic, Lyttelton and Montevideo. Sep 13	Andes, Bombay, Royal Mail Lines. Aquitania, Halifax.	Aug 10	Telephones King George V.
	Aylesbury, Buenos Aires, Capper, Alexander & Co. Baltannic, Wellington, J. B. Westray & Co. Baltraffic, Lyttelton and Montevideo, J. B. Westray & Co. Baronesa, Buenos Aires, Hendler Pres & Co. Aug 11	Aquitania, Halifax. Cunard White Star. Arundel Castle, Durban,	Aug 7	Telephone Service between Than
	Houlder Bros. & Co. Beaverburn, Baltimore & New York, early Aug Cunard White Star	Union-Castle Mail S.S. Co, Atlantis, Melbourne, Royal Mail Lines. British Diligence, Abadan,	Ang 13	W. H. J. ALEXAN
	Beaverburn, Baltimore & New York, early Aug Cunard White Star Beaverglen. Montreal, Aug 7 Canadian Pacific S.S.	R. & J. H. Rea (Hample),	Aug 5	Letitia, Montreal,
	Nelson Donkin & Co. (Surrey Com.)	Canton Rombay	Aug 14	Donaldson Line. Losada, Valparaiso.
2	Benreoch, Adelaide, Aug 2 Shaw Savill & Albion Co. (King George V.).	Escombe, McGrath & Co. Carthage, Bombay, Escombe, McGrath & Co. Dar Pomorza (aux.) (training ship),	Aug 19	P.S.N. Co. Macgregor Laird, W.C. Africa
5	Galbraith. Pembroke & Co.	Lady Nelson, Halifax.	Aug 6	Elder Dempster Lines. Malakand, Calcutta via Londo Di
	Tatham, Bromage & Co.	Cunard White Star. Lady Rodney, Halifax, Cunard White Star.	Aug 10	T. & J. Brocklebank Malayan Prince, Alexandria.
t	Burma, Calcutta, P. Henderson & Co. (Tilbury). Cairnavon, New York, Aug 6	Llangibby Castle, Lagos, Union-Castle Mail S.S. Co.	Aug 1	Furness, Withy & Co. Manchester Shipper, Montreal, Canadian Pacific S.S.
	Cunard White Star	Otranto Hongkong	Aug 16	Mansuria, Gothenburg via Man
99	Canton. Bombay via Southampton, Aug 16 P. & O. S. N. Co. Capella, Sandvik, Aug 3	Escombe, McGrath & Co. Queen Mary, New York, Cunard White Star	Aug 2	Bahr, Behrend & Co. Marshall, Buenos Aires, R. P. Houston & Co.
	H. Lange, Bell & Co. (Surrey Com.). Carthage, Bombay via Southampton, Aug 21 P. & O. S. N. Co.	Ranchi, Bombay, Escombe, McGrath & Co. Stirling Castle, Melbourne,	Aug 17	Mauretania, Singapore, Cunard White Star.
4	Charlbury, Buenos Aires, Aug 17 Capper, Alexander & Co.	Union-Castle Mail S.S. Co. Strathaird, Bombay,	Aug 15	Monaleen, Limerick, Limerick S.S. Co. Mover12, Buenos Aires,
	City of Alma, Mobile, Aug 4  Runciman (London). City of Leicester, Turkey, early Sep	Escombe, McGrath & Co. Thysville, W.C. Africa, United States Victory, Bremerhaven, Escombe, McGrath & Co.	Ang 13	Donaldson Bros. & Black Neothauma, Houston,
	Westcott & Laurance City of Norwich, Philippines	Washington, New York via		Brinings (Shipping). Nestor, Newcastle (N.S.W.), A. Holt & Co. New Brooklyn, W.C. Africa,
4	Montgomerie & Workman.	Benj. Ackerley & Son	Aug 3	New Brooklyn, W.C. Africa, Elder Dempster Lines.
-	City of Swansea, Beira, Aug 12 Montgomerie & Workman (Tilbury). City of Tokio, Singapore, Sep 6	PORTLAND Empire Paladin, Abadan,	Ang 4	Elder Dempster Lines, Nicholas Biddle, Houston, American S.S. Lines Agency
	Montgomerie & Workman. Clan Cameron, Beira, Aug 29	Portland & Weymouth Coaling Co.		Novelist, Calcutta, T. & J. Harrison Ocean Verity, Singapore, A. Holt & Co.
	Cayzer. Irvine & Co. Clan Campbell, Sydney via Liverpool, Aug 23	AVONMOUTH Avristan, Abadan,	nid Sep	Ocean wanderer, vancouver &
	Cayzer, Irvine & Co. Clan Macnair, Madras, Cayzer, Irvine & Co. (Tilbury).		Aug 9	Donaldson Bros. & Black
	Condesa, Buenos Aires, Aug 21	Baharistan, Sydney via Antwerp, Bethell, Gwyn & Co. Delilian, Montreal, Cunard White Star. Empire Wye, W.C. Africa, M. Whitwill & Son. F. J. Wolfe, Caripito, Houlder Bros. & Co. Fort Aklavik, Sydney, Bethell, Gwyn & Co.	Aug 7	Ovingdean Grange, Fray Bento Houlder Bros. & Co. Pilcomayo, Buenos Aires,
	Diplodon, W.C. Africa, Aug 12 E. H. Mundy & Co.	Empire Wye, W.C. Africa, M. Whitwill & Son	Aug -	Houlder Bros. & Co. Pilcomayo Buenos Aires, P. S. N. Co. Ravens Point. Barcelona, MacAndrews & Co.
	Dundee, Cadiz, MacAndrews & Co. (London Dk.).  Durango, Buenos Aires,  Aug 1  Aug 20	F. J. Wolfe, Caripito, Houlder Bros. & Co.	Aug 1	Rhexenor, Port Pirie
,	Royal Mail Lines. Edward F. Johnson, New York, abt Aug 10	Fort Aklavik, Sydney, Bethell, Gwyn & Co.	Aug 8	A. Holt & Co.
5	Angio-American Oil Co.	Fort George, Hamburg.	Aug 8	Glase
	J. Gronsund & Co. (Surrey Com.). Empire Arun, Durban via Antwerp, Aug 6	Glenwood, Buenos Aires, n	Ang d	
	Bullard, King & Co. Empire Athelstan, Freetown, Aug 8	C. Hill & Sons. Lord O'Neill, Baltimore via Dublic	Aug 4	Samgara, Port Pirie via Antwe A. Holt & Co. Samidway, Melbourne, A. Holt & Co.
	Empire Clarendon, Sydney, Aug 20	C. Hill & Son. Pacific Exporter, New York.	Aug 6	Samzona, Vancouver,
4	Empire Athelstan, Freetown, Aug 8 Glen Line Empire Clarendon, Sydney, Aug 20 P. & O. S.N. Co. Empire Macalpine, Montreal, Galbraith, Pembroke & Co.	James & Hodder Graiglas, Canada, C. Hill & Sons. Lord O'Neill, Baltimore via Dublin, C. Hill & Son, Pacific Exporter, New York, C. Hill & Sons Samesk, Port Kembla Bethell, Gwyn & Co. BRISTOL	Aug 4	A. Holt & Co. Samzona, Vancouver, P. S. N. Co. Santander, Valparaiso, P.S.N. Co. Skelwith Force, Avonmouth, A. Coker & Co. Standard Curaco.
	(Victoria). Empire Neptune, Abadan, Aug 16	BRISTOL		Skelwith Force, Avonmouth, A. Coker & Co.
	W. Hurst (Sneerness). Empire Raja, Singapore, Aug 6	Hera, Baltic, Mark Whitwill & Son. Hervor Bratt, Gothenburg, Whitwill, Cole & Co. Moyle, Oran, James & Hodder.	Aug 3	Standard, Curacao, Furness, Withy & Co. (Dingle Oil Jty.)
	Empire Success, Mombasa, end Aug	Whitwill, Cole & Co.	Aug.12	Teucer, Hongkong, A. Holt & Co.
,	Galbratth, Pembroke & Co. (Victoria).  Empire Neptune. Abadan, W. Hurst (Sheerness).  Empire Raja, Singapore, P. & O. S. N. Co.  Empire Success, Mombasa, Union-Castle Mail S.S. Co.  Empire Wharfe, Kingston (Ja.). Royal Mail Lines (West India).  Fendris, Oporto, Coverley, Westray, Walhaum &	Moyle, Oran, ea James & Hodder.	rly Aug	Teviot, Puerto Deseado, P. S. N. Co.
5	Fendris, Oporto, ('overley, Westray, Walbaum & Tosetti (London Dk.).	With with, Cole & Co.  Moyle, Oran, James & Hodder. Star, East Norway, Whitwill, Cole & Co. (City) SHARPNESS	Ily Aug	GARSTON Cara, Haukipudas,
				E. W. Turner & Son MANCHESTER
	Fort la Cloche, Rosario, Aug 25	Whitwill, Cole & Co. Vibeke Christensen, Gothenburg, ea		Benjamin Sherburn, Ornskolds
	Fort Spokane, Montreal. Aug 1 Cunard White Star.	James & Hodder		H. Watson & Co. (Salford
	(King George V.) Francine. Bo'ness, Aug 1 Dens & Co. (Fresh Wf.)	NEWPORT Fort Poplar, Casablanca, C. Shaw, Lovell & Sons Vesla, Narvik, W. J. Barnett.	Jly 31	H. Watson & Co. (Salford El Mirlo, Cabo Blanco, C. T. Bowring & Co. (Ellesmere Port). Evita, Beaumont & Baytown, Vogt & Maguire (Barton & Mode Wheel).
3/	Frederik. Rotterdam, now due J. A. Finzi, Layman & Co.	W. J. Barnett.	J1y 31	Vogt & Maguire (Barton & Mode Wheel).
	(Cory's Albert Dk. Hoists). Frode, Skutskar, Aug 2	CARDIFF Killurin, Nemours, ea	rly Aug	Flora, Furugrund, R. F. Sanderson & Co. Manchester Progress, Montreal
	George E. Merrick, Baltimore, Aug 2	KVIKKJOKK, NATVIK, C. W. Brice.	J1y 31	Pachesham, Botwood.
P	Fort Glenora, Melbourne, Anderson, Green & Co. (Tilbury). Fort la Cloche, Rosario, H. (4. Mann (Shipping). Fort Spokane, "Montreal. Cunard White Star. (King George V.) Francine. Bo'ness. L. Dens & Co. (Fresh Wt.). Frederik. Rotterdam, J. A. Finzi, Layman & Co. (Cory's Albert Dk. Hoists). Frode, Skutskar. S. L. A. Ltd. George E. Merrick. Baltimore, United States Lines. Glen Line. Gothia. Lake Vener, S. L. A. Ltd. Greth. Gefle. S. L. A. Ltd. Halton R. Carey, Baltimore, United States Lines. Highland Monarch, Buenos Aires, Royal Mail Lines. Idomeneus, Newcastle (N.S.W.), Glen Line. Aug 9	CARDIFF Killurin, Nemours, ea Kvikkjokk, Narvik, C. W. Brice. Transic, Sfax. Watson Ferris, Oulu,	now due	
3	Gothia. Lake Vener, Aug 1 S. L. A., Ltd.	BARRY Radmar, Greenspond, J. O. Williams & Co.	Aug 10	Port). Recorder, Houston, J. W. Jones & Sons Richard Upjohn, Galveston, H. Watson & Co. (Salford)
5	Greth. Gefie. Aug 1 S. L. A., Ltd. Halton P. Coron, Politimore. Aug 7	PORT TALBOT		H. Watson & Co. (Salford)
-	United States Lines. Highland Monarch, Buenos Aires, end Aug	Karmas, Narvik, S. Stephens.	Aug 4	Sonja, Geffe, R. F. Sanderson & Co. Zuiderburgh, Tunis,
5	Royal Mail Lines. Idomeneus, Newcastle (N.S.W.), Aug 9 Glen Line.	SWANSEA Ben_H. Miller, Liverpool.	Aug 3/4	PRESTON
	Glen Line. Iris, Holmstud, Aug 3	Ben H. Miller, Liverpool, Burgess & Co. (King's) Four Lakes, Abadan, Burgess & Co.	Aug -	Hagfors, Skoghall, WORKINGTON
	James Bennett Moore, New York, now due	Lodestone, London, Simpson Bros (Swansea) (King's)	Aug 5	Kalix, Narvik, The United Steel Compan
	Kindat, Vizagapatam via Liverpool, Aug 10 P. Henderson & Co. (Tilbury).	Pan Scandia, Abadan, Burgess & Co. (Queen's)	Jly 31	ARDROSSAN
	Kollgrim (ex Norheim), Curacao, Jly 31 W. Hurst (Isle of Grain).	San Eliseo, Trinidad, Burgess & Co. (Queen's)	Jly 31	Beaconstreet, Curacao, R. L. Alpine & Co.
	Houlder Bros. & Co. Lochmonar, Buenos Aires.	MERSEY Adrastus, Hongkong,	Aug 20	Benjamin Sherburn, Ornskoldsv Birker Force, London
	Royal Mail Lines Lucy Borchard, Halifax. Aug 10	American Manufacturer, Los Angeles, C. G. Dunn & Co.	Aug 6	W. Knight, Watson & Co. Cilicia, Naples,
	Fairplay, Towage & Shipping Co. Magdapur, Calcutta.  Aug 3	Athelprince, Havana, Athel Line.	Aug 8-10	Benjamin Sherburn, Ornskoldsv Birker Force, London, W. Knight, Watson & Co. Clicia, Naples, Anchor Line Clan Allan, La Plata,
4	Glen Line.  Iris, Holmsund, E. Lloyd (Ridham) James Bennett Moore, New York, United States Lines (Victoria) Kindat, Vizagapatam via Liverpool, P. Henderson & Co. (Tilbury). Kollgrim (ex Norheim), Curacao, W. Hurst (Isle of Grain). Langton Grange, La Plata, Houlder Bros. & Co. Lochmonar, Buenos Aires, Royal Mail Lines Lucy Borchard, Halifax. Fairplay, Towage & Shipping Co. Magdapur, Calcutta, A. Howden & Co. Mahia, New Plymouth, Shaw Savill & Albion Co. (King George V.) Malacca, Shanghai, Escombe, McGrath & Co. (Tilbury Carea Lattiv)  mow due Lucy Borchard, Jly 31  mid-Aug  and 10  Aug 3  Aug 3  Aug 3  mid-Aug  mid-Au	Cunard White Star.	Aug 5-6	Clan Angus, Mombasa via Live
2	(King George V.). Malacca, Shanghai, mid Aug	Cunard White Star	t Aug 9	Clan Chattan, Newcastle (NSV Clan Macaulay, Sydney, Roxburgh, Colin Scott & Co Empire Ken, W.C. Africa, Royal Mail Lines.
	Escombe, McGrath & Co. (Tilbury Cargo Jetty).	Britannic, Bombay, Cunard White Star.	Aug 5	Clan Macaulay, Sydney, Roxburgh, Colin Scott & Co
	Maria Gorthan, Only Maria Gorthan, Only	Uape Sable. N. Brazil via Madeira, Booth S.S. Co. (King's No. 2)	Aug 16	Royal Mail Lines.  Maihar, Calcutta via London
	Shaw Sawill & Albion Co. (King George V.)  Malacca, Shanghai, mid Aug Escombe, McGrath & Co. (Tilbury Cargo Jetty).  Manipur ('alcutta. Aug 22 Wontgomerie & Workman (Tilbury).  Maria Gorthon. Oulu, now due E. Lloyd (Ridham Dk.).  Mathura, Calcutta, Aug 16 A. Howden & Co. Mauritz. Hudksvall. Jly 31 B. E. Moors & Co. (Surrey Com.).  Meroe, Genca, Aug 3 G. S. N. Co. Mewata Park. Victoria (B.C.), Aug 10 Furness, Withy & Co. (Surrey Com.)  Missionary Ridge, Aruba, Aug 1-2 Anglo-American Oil Co. (Shell Haven).  Pacheco, Barcelona, MacAndrews & Co. (London Dk.).  Paparoa, Lyttelton via Panama, Aug 11 I. B. Westray & Co.	Hall Line. City of Cane Town Port Pirio	Sep 27	Anchor Line
	A. Howden & Co. Mauritz, Hudksvall,  B. F. Moore & Co.  Jly 31	Hall Line City of Durham, Bombay,	Aug 13	Nestor, Newcastle (N.S.W.) via
	Meroe, Genda, G. S. N. Co.	Hall Line. City of Exeter, Karachi & Bombay	Aug 28	Roxburgh, Colin Scott & C Samconstant, Alexandria, J. Bruce & Co.
	Mewata Park, Victoria (B.C.), Aug 10 Furness, Withy & Co. (Surrey Com.)	City of Norwich, Philippines and	Oct 90	Samidway, Melbourne via Liver Aitken, Lilburn & Co.
	Missionary Ridge, Aruba. Aug 1-2 Anglo-American Oil Co. (Shell Haven).	Hall Line Clan Angus, Mombasa.	Sep 17	J. C. Peacock & Co.
	MacAndrews & Co. (London Dk.). Paparoa, Lyttelton via Paname	Clan Campbell, Karachi,	Aug 16	J. & J. Denholm (Greenock
	J. B. Westray & Co. Perim, Sydney, Aug 23	Clan Macdonald, Sydney, Cayzer, Irvine & Co.	Aug 20	J. B. Couper (Rothesay Dk., Clydebank)
	Port Alma. Bluff. Aug 18	Comliebank, Beira via Antwerp, ea Elder Dempster Lines	rly Sep	TYNE Astrea, Bergen.
	Port Halifax, Melbourne, Aug 24 Port Line.	H. Tyrer & Co. (Bromborough).	Aug 3-4	P. H. Matthiessen & Co. (Tyne Commission Qy.).
	Port Phillip, Wellington, Aug 16 Port Line.	A. Holt & Co. Devis, Buenos Aires	Aug 12	P. H. Matthiessen & Co.
	Queda, Calcutta, end Aug Gray, Dawes & Co.	Lamport & Holt Line. Empire Battleaxe, Naples,	Aug 7	Durhambrook, London Hargreaves (Newcastle)
	P. & O. S. N. Co. Rangitata, Wellington	Cunard White Star. Empire Capulet, Sydney,	mid Sep	(Pelaw Main Staiths)  Jupiter, Bergen,
	J. B. Westray Co Raphael Semmes, Norfolk. Aug 4	Empire Contyne, Swansea, W. H. Stott & Co. (Bramley Moore)	Aug 1/2	P. H. Matthiessen & Co. (Tyne Commission Qv.).
	Ring, Rouen, Ring, Rouen, Rritish & Northern Shinging Age	Empire Deben, Newport, A. Holt & Co.	Aug 10	W. Milburn & Co. Naticina, Araba,
	(Millwall). River Raisin, Aruba	Cunard S.S. Co.	Aug 1	Mann, George & Co. Rosedene, Fraserburg,
	Anglo-American Oil Co. (Thames Haven).	Brinings (Shipping) (Birkenhead). Empire Prowess, Sydney via Durber	Sep 0	(Pelaw Main Staiths) Skeldergate Three Pivos
	G. S. N. Co.  Mewata Park. Victoria (B.C.), Furness, Withy & Co. (Surrey Com.)  Missionary Ridge, Aruba. Anglo-American Oil Co. (Shell Haven).  Pacheco, Barcelona, MacAndrews & Co. (London Dk.). Paparoa, Lyttelton via Panama, J. B. Westray & Co.  Perim. Sydney, P. & O. S. N. Co.  Port Alma. Bluff. Port Line.  Port Line.  Port Halifax. Melbourne. Port Line.  Port Line.  Queda, Calcutta, Gray, Dawes & Co. Ranchi. Bombay via Southampton, P. & O. S. N. Co.  Rangitata. Wellington, Aug 4  Aug 15  Port Line.  Queda, Calcutta, Gray, Dawes & Co. Ranchi. Bombay via Southampton, P. & O. S. N. Co.  Rangitata. Wellington, Aug 4  Runciman (London) (West India).  Ring, Rouen. British & Northern Shipping Agency.  (Millwall).  River Raisin, Aruba Anglo-American Oil Co. (Thames Haven).  St. Clears, Trinidad, Howard Tenens.  Samakron. Kingston (Ja). Royal Mail Lines.  Samborn, Lyttelton via Antwerp, Port Line  Sampan. Beira via Antwerp, Union-Castle Mail S. S. Co.  Samsylvan. Wellington via Antwerp, Shaw Savil & Albion Co. Samtyne. N. Pacific, early Sep	J. Dowie & Co. Empire Ruby, W.C. Africa,	low dae	Pyman, Bell & Co. Springcreek, Peterhead
	Samborn, Lyttelton via Antwern	H. Tyrer & Co. (Bromborough) Empire Treasure, Buenos Aires,	now due	Hargreaves (Newcastle), L (Dunston Staiths)
	Port Line Sampan, Beira via Antwern, mid-Ang	Fort Kootenay, Lago & Freetown	nid Ang	Hargreaves (Newcastle), L
	Union-Castle Mail S.S. Co. Samsylvan, Wellington via Antwerp, early Sep	H. Tyrer & Co. Franconia, Bombay.	Aug 10	HARTLEPOOL
	Shaw Savill & Albion Co. Samtyne, N. Pacific, early Sep	Cunard White Star. Frederick Banting, Newcastle (NSW)	Oct 19	Kerma, Sfax, Smith. Hogg & Co.
	Samwis, W. Indies, W. Aug 1	Hall Line Glenapp, Shanghai,	Aug 5	Smith, Hogg & Co.
	Sardis, Oporto, Coverley, Westray, Walhann &	Glenbeg. Shanghai,	end Aug	Askeladden, Narvik,
	Tosetti (London Dk.). Selandia. Bangkok, Sep. 4	Glenfinlas, Hongkong, A. Holt & Co.	Aug 16	Empire Colne, Lubeck, McGregor, Gow & Holland
	Escombe, McGrath & Co. Sestroretsk, Leningrad.	Helfrid. Sundsvall, A. Coker & Co.	now due	(Dent's Wf.) Empire Colne, Hamburg
	L. W. Morland & Co Socotra, Melhourne, Jlv 31	Herefordshire, Rangoon, abb Bibby Bros. & Co.	Aug 8	Escombe, McGrath & Co. (Dent's Wf.).
	P. & O. S. N. Co. (E Shed, Victoria) Strathaird, Bombay via Southampton, Aug 17	T. & J. Harrison.	Aug -	Escombe, McGrath & Co.
	P. & O. S. N. Co. Strategist, Curacao, Aug 3-4	J. Dowie & Co. Kana, Istanbul.	Aug 16	Fionia, Copenhagen, Escombe, McGroth & Co
	Royal Mail Lines. Samborn, Lyttelton via Antwerp, Port Line Sampan, Beira via Antwerp, mid-Aug Union-Castle Mail S.S. Co. Samsylvan, Wellington via Antwerp, early Sep Shaw Savill & Albion Co. Samtyne, N. Pacific, early Sep Furness, Withy & Co. (Surrey Com.). Samwis, W. Indies, T. & J. Harrison (West India). Sardis, Oporto. Coverley, Westray, Walbaum & Tosetti (London Dk.). Selandia, Bangkok, Sep 4 Escombe, McGrath & Co. Sestroretsk, Leningrad, Aug 13 L. W. Morland & Co Scootra, Melbuurne, Jly 31 P. & O. S. N. Co. (E Shed, Victoria) Strathaird, Bombay via Southampton, Aug 17 P. & O. S. N. Co. Strategist, Curacao, T. & J. Harrison. Strathsirk, Wellington via Dakar, Aug 22 J. B. Westray & Co.	Moss Hutchison Line. Kindat, Vizagapatam,	Aug 3	(J.N.E.R. Dk.). Fort Nipigon, Liverpool.
41	J. B. Westray & Co.	Lamport & Holt Line		Escombe, McGrath & Co
,				

	1000000
Puerto Deseado via Havre, Aug 29 l Mail Lines. Bahia Blanca, now due S. S. Co.	
C. Endicott, New Orleans, Aug 3 ican S.S. Lines Agency.	i i
HAMPTON	
n, Mombasa, Aug 13 Mail Lines. ombay, Aug 10 Mail Lines.	Т
a. Halifax. Aug 5 d White Star.	Telepi
A. Hall Lines. A. Hallfax. Aug 5 d White Star. Castle, Durban, Aug 7 -Castle Mail S.S. Co. Melbourne, Aug 13 Mail Lines. Aug 5	W.
	Letiti
J. H. Rea (Hamble).  Sombay, Aug 14  be, McGrath & Co. Bombay, Aug 19	Losad P.
Bombay, Aug 19 the, McGrath & Co. torza (aux.) (training ship), Copenhagen, Aug 6	Macg El Malai
son, Hahlax, Aug 6 d White Star, d White Star, d White Star, d White Star	T. Malay
Castle, Lagos, -Castle Mail S.S. Co. Hongkong, Aug 1	Mancl Ca
ary, New York, Aug 2	Mansı Barsı Marsı
Bombay, Aug 17 lbe, McGrath & Co. Castle, Melbourne, Aug 8	Maure Ci
-Castle Mail S.S. Co. I, Bombay, Aug 15	Mona Li Mover
copenhagen, Aug 6 d White Star. Castle Mail S.S. Co. Hongkong, dee, McGrath & Co. Cary, New York, d White Star Sombay, dee, McGrath & Co. Castle, Melbourne, Con, McGrath & Co. McC, Africa, Castle, McGrath & Co. Castle, M	Neoth Br Nesto
on, New York via Queenstown, Aug 3 Ackerley & Son	New El
AND	Nicho
and & Weymouth Coaling	Novel T. Ocean
Abadan, mid Sep Strick & Co.	Ocean Do
Abadan, mid Sep Strick & Co. n, Sydney via Antwerp, l. Gwyn & Co. Montreal, d White Star. ye, W.C. Africa, hitwill & Son. lte, Caripito, er Bros. & Co. yvik, Sydney, Aug 8	Oving H Pilcon
d White Star.  ye, W.C. Africa, hitwill & Son.  Aug —	Paver M
lfe, Caripito. Aug 1 er Bros. & Co. vvik, Sydney, Aug 8 ll, Gwyn & Co.	Rhexe A. Rivere
II, GWyn & Co.	Samco
, Buenos Aires, mid Aug & Hodder	Samga A.
ll & Sons. eill, Baltimore via Dublin, Aug 4 ll & Son.	Samid A. Samze
Port Kembla Aug 4	Santa P.
OL Co.	Skelw A. Stand
ltic, Aug 3 Whitwill & Son. rratt, Gothenburg, Aug 12 vill, Cole & Co.	Fi (I Teuce
ran, early Aug	Tevior P.
ran, cote & co.  ran, early Aug & Hodder. t Norway, vill, Cole & Co. (City)_	GAI Cara, E.
	MA Benja
Bratt, Rafso & Mantyluoto, abt Aug 8 vill, Cole & Co. rristensen, Gothenburg, early Aug & Hodder	El M
DRT lar, Casablanca, aw, Lovell & Sons aryik, Jly 31	Evita V M
FF	Flora,
FF Nemours. early Aug	Flora, R. Manc.
FF Nemours, early Aug	Flora R Manc M Pache H Po
Barnett.  FF Nemours, early Aug k, Narvik, Jly 31 Brice. Stax, Jly 31 erris, Oulu, now due  Greenspond, Aug 10 Williams & Co.	R. Manc. M. Pache H. Po Recor. J. Richa
Barnett.  FF Nemours, k, Narvik, Brice. Sfax. erris, Oulu, Greenspond, Williams & Co. FALBOT Narvik,  Aug 4  Aug 4	Richa Pache HPC Recor J. Richa HSonja,
Barnett.  FF Nemours, early Aug k, Narvik, Jly 31 Brice. Sfax, Jly 31 Perris, Oulu, now due  Greenspond, Aug 10 Williams & Co.  FALBOT Narvik, pohens.	Flora. R. Manc. M Pache H Pc Recor J. Richaa H Sonja, R. Zuidei
Barnett.  FF Nemours, k, Narvik, Brice. Sfax. Jly 31 erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens.  BEA  Signature of the control of the co	Flora R. Manc M. Pache H. P. Recorr J. Richa H. Sonja R. Zuide
Barnett.  FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co.  FALBOT Narvik, phens.  SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, D Bros. (Swansea) (King's)	Flora R. Manc. M. Pache H. P. Recor. Richa R. Zunde: PRI Hagfo WO Kalix. Ti Stanb
Barnett.  FF Nemours, k, Narvik, Brice.  Max.  Greenspond, Williams & Co.  FALBOT Narvik, phens.  GEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. London, Dn Bros. (Swansea) dia, Abadan, ss & Co. (Queen's)  TFINIDAT  Aug 5  Jly 31  Jly 31  Jly 31  SS & Co. (Queen's)	Flora Manc Manc MPache HP Recor Richa HSonla Zundel Hagfe WO Kalix Stanb ARE Beaco R.
Barnett.  FF Nemours, k, Narvik, Brice. Sfax. Sfax. erris, Oulu,  Greenspond, Williams & Co. TALBOT  Narvik, phens. sieA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) o, Trinidad, ss & Co. (Queen's) ss & Co. (Queen's) ty Hongkong, lit. & Co.  Aug 20 lit. & Co.	Flora.  R.  R.  Manc.  M.  Pache H.  P.  Recorr  Richas R.  Zunde  PRI Hagfo  Kalix.  Ti  Stanbb  ARI  Beaco  R.  CL'  Benja  Birkei
Barnett.  FF Nemours, k, Narvik, Brice. Sfax, erris, Oulu,  Greenspond, Williams & Co. TALBOT  Narvik, phens. 3EA  filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) o, Trinidad, ss & Co. (Queen's) ey Hongkong, Hongkong	Flora R R Manc R Manc H Pache Recor J Richa R R Zuide R Kalix T Stanb Ant Beaco R CL Benja Birker Au Chicia
Barnett.  FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co.  FALBOT Narvik, Pophens.  SEA  Grier, Liverpool, SS & Co. (King's) SS, Abadan, SS & Co. London, On Bros. (Swansea) (King's) Dita, Abadan, SS & Co. (Queen's) Ot. Trinidad. SS & Co. (Queen's) Ot. Trinidad. SS & Co. (Queen's) Manufacturer, Los Angeles, Manufacturer, Los Angeles, Manufacturer, M	Flora. R. R. Manc. M. Pache H. P. Recor Richas H. Sonla. R. Zunde: PRI Hagfo WO Kalix. Ti Stanb ARI Beacoo R. CLi Benjaa Birkee Clician Clan
Barnett.  FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co.  FALBOT Narvik, Pophens.  SEA  Grier, Liverpool, SS & Co. (King's) SS, Abadan, SS & Co. (King's) SS, Abadan, SS & Co. (Queen's) O, Trinidad, SS & Co. (Queen's) C, Trinidad, SS & Co	Flora. R. R. Manc Pache H. Po Recorr Richas H. Sonla. R. Zunde:  PRI Hagfo WO Kalix Th Stanb ARE Beaco R. CL' Benja Birket Clician A. Clan Can Can Can Can Can Can Can Can Can C
Barnett.  FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co.  FALBOT Narvik, Pophens.  SEA  Grier, Liverpool, SS & Co. (King's) SS, Abadan, SS & Co. (King's) SS, Abadan, SS & Co. (Queen's) O, Trinidad, SS & Co. (Queen's) C, Trinidad, SS & Co	Flora.  R.  R.  Manc.  Pache  H.  Pache  Flora.  R.  R.  Recorr  Richaa  H.  Sonlaa.  R.  Zuide:  PRE  Hagfo  WO  Kalix, Ti  Stanbb  ARI  Beaco  R.  CL'  Benjaa  Birke:  Clan  Ca  Clan  Ro  Empiri
FF Nemours, k, Narvik, Brice. Sfax. Sfax. erris, Oulu,  Greenspond, Williams & Co. TALBOT  Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) o, Trinidad. ss & Co. (Queen's) o, Trinidad. ss & Co. (Queen's) es, Ex Unun & Co. Manufacturer, Los Angeles, Aug 6 Dunn & Co. es, Havana, Line. Line. Hombay, My Holifax, My Star. Bombay, My White Star. Bombay, My Halifax, My 5-6 My White Star. Bombay, My Sep. 27 My 5-8 My 6	Flora R R Manc R Manc H Pache H Pe Recor R R R R R R R R R R R R R R R R R R R
FF Nemours, k, Narvik, Brice. Sfax, erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. Size Afiller, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) c. Trinidad. ss & Co. (Aug 5 Dunn & Co. Manufacturer, Los Angeles, Dunn & Co. Manufacturer, Los Angeles, Aug 5 Dunn & Co. Manufacturer, Man	Flora. R. R. Manc. Pache H. Poc. Recor Richas. R. Zuidei PRI Hagfic WO Kalix. Stanb ARI Seaco R. CLI Benja Birkei Clan Clan Ca Clan Ca Clan Ca Chan Maiha An Nesto
FF Nemours, k, Narvik, Brice. Sfax. Sfax. erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SEA Giller, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) dia, Co. London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) so. Trinidad. Jly 31 ss & Co. (Queen's) ss & Co. (Queen's) dia, Abadan, ss & Co. (Ring's) dia, Abadan, dia, Aug 5 dia, Aug 6	Flora. R. R. Manc. M. Pache H. H. P. C. Recor. Richas H. Sonlas. R. Zunde: Flagfo WO Kalix. The Stanbo ART. Beacoo. R. C. Benjas. Berjas. Clan 1 Ro C.
FF Nemours, k, Narvik, Brice. Sfax, erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Poeen's) dia, Abadan, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ring's) dia, Abadan, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ring's) dia, Abadan, ss & Co. (Ring's) dia, Abadan, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ring's) dia, Abadan, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ring's) dia, Abadan, ss & Co. (Ring's) dia, Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 5 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 9 dwhite Star. n. Baltimore, New York & Halifax, abt Aug 20 dwhite Star. n. Baltimore, New York & Halifax, abt	Flora. R. R. Manc. R. Manc. H. Pache H. Sonja. R. Zuidei Hagid WO Kalix. Benja Birkee CL Benja Birkee Clan Clan Clan Ro Clan Ro Clan Ro Samic Samic Samic Samic
FF Nemours, k, Narvik, Brice. Sfax. Sfax. erris, Oulu,  Greenspond, Williams & Co. FALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) ob, London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) bo. Trinidad. ss & Co. (Queen's) co. Trinidad. ss & Co. (Queen's) dia, Abadan, ss & Co. (Pueen's) dia, Abadan, ss & Co. (Ring's) dia, Abadan, dine, dine, dine, Aug 20 diabetra, Aug 5-6 dia, Abadan, sep 27 contact dia	Flora. R. R. Manc. Pache H. Poc. Recor Richa. R. Zuide: PRI Hagfic WO Kalix. Stanb Ant Beacoo R. Clan Clan Clan Clan Ro Clan Ro Can Clan Ro Can Samid Samid Samid Samid Samid Samid Samid
FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax  Greenspond, Williams & Co. FALBOT  Narvik, phens.  SEA  Greenspond, Stax  Aug 4  Sphens.  SEA  Greenspond, Stay  Aug 5  Aug 16  Aug 16  Aug 13  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28	Flora. R. R. Manc. M. Pache H. Porton Richas R. Zuidei PRI Hagfic WO Kalix. Stanb ART Beacoo R. CLI Benja Birkei Clan Ca Clan Ca Clan Ro Ca Clan Ro Empir Ro Samide Samide J. Tilsin J. (Re
FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax  Greenspond, Williams & Co. FALBOT  Narvik, phens.  SEA  Greenspond, Stax  Aug 4  Sphens.  SEA  Greenspond, Stay  Aug 5  Aug 16  Aug 16  Aug 13  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28	Flora. R. R. Manc. Pache H. P. C. Recor Richa. R. Zunde. PRI Hagfor WO Kalix. Stanb Beacoo R. C. C. Can Clan Ro Empin Ro Can Neston Samiod Ai Samiod Samiod Tilsini J. Tilsini J
FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax  Greenspond, Williams & Co. FALBOT  Narvik, phens.  SEA  Greenspond, Stax  Aug 4  Sphens.  SEA  Greenspond, Stay  Aug 5  Aug 16  Aug 16  Aug 13  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28	Flora. R. R. Manc. Pache H. Poche Recor Richa R. Zunder Hagfic WO Kalix. Benja Birker Beaco R. Clan Clan Clan Ro Clan Ro Clan Ro Samic Samic Samic Samic Samic Samic Thesto
FF Nemours, k, Narvik, Brice. Sfax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax.  Greenspond, Williams & Co. FALBOT Narvik, phens.  SEA  Greenspond, Stax  Greenspond, Williams & Co. FALBOT  Narvik, phens.  SEA  Greenspond, Stax  Aug 4  Sphens.  SEA  Greenspond, Stay  Aug 5  Aug 16  Aug 16  Aug 13  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 28  Aug 29  Aug 28  Aug 28  Aug 28	Flora. R. R. Manc. M. Pache H. H. Manc. R. Car. Richas. R. Zuide. Fried WO Kalix. Stanb. ART. Benjas. Benjas. Birket Clan Car. Clan Car. Clan Car. Clan Car. Clan Samica. Samica. Samica. Tilsing. Theod.
FF Nemours, k, Narvik, Brice. Sfax.  Sfax.  Greenspond, Williams & Co. TALBOT  Narvik, phens.  SEA  filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) es, Trinidad, ss & Co. (Queen's) es, Tandad, ss & Co. (Queen's) es, Tandad, ss & Co. (Sing's) es, Abadan, ss & Co. (Sing's) es, Abadan, ss & Co. (Sing's) es, Abadan, ss & Co. (Swansea) (King's) dia, Abadan, ss & Co. (Gueen's) es, Abadan, ss & Co. (Gueen's) es, Abadan, ss & Co. (Swansea) es, Abadan, ss & Co. es, Havans, Line. es, Harans, line. es, Nembay, d White Star. Bombay, d White Star.	Flora. R. R. Manc. Pache H. Pache H. Sonja. R. Zunder Hagfic WO Kalix. Benja Birker Beaco R. Clan Clan Clan Ro Clan Ro Samic Samic Samic Samic Samic Samic Samic Thestoi Ro Can Thestoi Ro
FF Nemours, k, Narvik, Brice. Sfax.  Sfax.  Greenspond, Williams & Co. TALBOT  Narvik, phens.  SEA  filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) es, Trinidad, ss & Co. (Queen's) es, Tandad, ss & Co. (Queen's) es, Tandad, ss & Co. (Sing's) es, Abadan, ss & Co. (Sing's) es, Abadan, ss & Co. (Sing's) es, Abadan, ss & Co. (Swansea) (King's) dia, Abadan, ss & Co. (Gueen's) es, Abadan, ss & Co. (Gueen's) es, Abadan, ss & Co. (Swansea) es, Abadan, ss & Co. es, Havans, Line. es, Harans, line. es, Nembay, d White Star. Bombay, d White Star.	Flora. R. R. Manc. Pache H. P. Recor Richa. R. R. R. Zuide. PRI Hagfic WO Kalix. Stanb Beacoo R. Clan Clan Clan Ro Clan Ro Clan Ro Clan Ro Can Clan Ro Tilsin Samid Ai Samid Ai Samid Tilsin J. Tils
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) ss, Abadan, ss & Co. (King's) ss, Abadan, ss & Co. (Queen's) on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Ween's) on Trinidad, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ween's) on Trinidad, ss & Co. (Ween's) on Hongkong, du White Star. Bombay, du White Star. le. N. Brazil via Madeira, ss. Co. (King's No. 2) anberra. Kure, line. On Bros. (Ween's)	Flora. R. R. Manc. Pache H. Pache H. Portal Recor Richa. R. R. Zuidei PRI Hagfic WO Kalix. Stanb Aart Beacoo R. Clan Clan Clan Clan Clan Clan Clan Clan
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) ss, Abadan, ss & Co. (King's) ss, Abadan, ss & Co. (Queen's) on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Ween's) on Trinidad, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ween's) on Trinidad, ss & Co. (Ween's) on Hongkong, du White Star. Bombay, du White Star. le. N. Brazil via Madeira, ss. Co. (King's No. 2) anberra. Kure, line. On Bros. (Ween's)	Flora R. R. Mance R. Mance H. Pache H. Sonja, R. Zunder Hagfor WO Kalixi, Benja Birkee CL Benja Birkee Clan Clan Clan Clan Clan Clan Clan Clan
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) ss, Abadan, ss & Co. (King's) ss, Abadan, ss & Co. (Queen's) on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Queen's) on Trinidad, ss & Co. (Ween's) on Trinidad, ss & Co. (Swansea) dia, Abadan, ss & Co. (Ween's) on Trinidad, ss & Co. (Ween's) on Hongkong, du White Star. Bombay, du White Star. le. N. Brazil via Madeira, ss. Co. (King's No. 2) anberra. Kure, line. On Bros. (Ween's)	Flora. R. R. Manc. R. Manc. Pache H. H. Pache Recor Richa. R.
FF Nemours, k, Narvik, Brice. Sfax. Sfax. erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SeEA  filler, Liverpool, ss & Co. (King's) ess & Co. (King's) ess & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) dia, Abadan, ss & Co. (Queen's) ess & Co. (Queen's) ess & Co. (Queen's) ess & Co. (Queen's) ess & Co. (Gueen's) ess & C	Flora. R. R. Manc. R. Manc. Pache H. P. Recor Richa. R. R. Zuide. PRI Hagfe WO Kalix. Stanb Beaco R. Clan Clan Clan Clan Ro Clan Ro Clan Ro Can Clan Ro Tilsin Samid Ai Samic J. Tilsin J.
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Jly 31 erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) Jly 31 ss & Co. (Queen's) o. Trinidad. SFY Hongkong, dit & Co. Manufacturer, Los Angeles, Dunn & Co. Manufacturer, Los Angeles, Aug 5 Dunn & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Muntacturer, Los Angeles, Aug 5 dit & Co. Muntacturer, Los Angeles, Aug 5 dit & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Munn & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Montes Star. Bombay, Aug 5 dit White Star. Bombay, Aug 5 dit White Star. Bombay, Aug 5 dit White Star. Bombay, Aug 13 dine. Corwich, Philippines and Hongkong via London. Cot 22 Line. Line Line Line Line Line Line, Aug 10 Line Line, Aug 10 Line Line, Aug 10 Line Line Line, Aug 10 Line Line Line, Aug 10 Line Line Line Line Line Line Line Line	Flora. R. R. Manc. Pache H. Pache H. Pache Recor Richa. R.
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Jly 31 erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. (King's) es, Abadan, ss & Co. (Queen's) Jly 31 ss & Co. (Queen's) o. Trinidad. SFY Hongkong, dit & Co. Manufacturer, Los Angeles, Dunn & Co. Manufacturer, Los Angeles, Aug 5 Dunn & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Muntacturer, Los Angeles, Aug 5 dit & Co. Muntacturer, Los Angeles, Aug 5 dit & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Munn & Co. Manufacturer, Los Angeles, Aug 5 dit & Co. Montes Star. Bombay, Aug 5 dit White Star. Bombay, Aug 5 dit White Star. Bombay, Aug 5 dit White Star. Bombay, Aug 13 dine. Corwich, Philippines and Hongkong via London. Cot 22 Line. Line Line Line Line Line Line, Aug 10 Line Line, Aug 10 Line Line, Aug 10 Line Line Line, Aug 10 Line Line Line, Aug 10 Line Line Line Line Line Line Line Line	Flora. R. R. Manc. R. Manc. Pache H. P. Recor Richa. R. R. Zude: PRI Hagfic WO Kalix. Stanb Aart Beacoo R. Clan Clan Clan Clan Clan Clan Clan Clan
FF Nemours, k, Narvik, Brice. Sfax. Sfax. Jly 31 erris, Oulu,  Greenspond, Williams & Co. TALBOT Narvik, phens. SEA filler, Liverpool, ss & Co. (King's) es, Abadan, ss & Co. , London, on Bros. (Swansea) (King's) dia, Abadan, ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) o. Trinidad. ss & Co. (Queen's) o. Trinidad. ss & Co. (Gueen's) o. Trinidad. ss & Co. (Gueen's) o. Trinidad. ss & Co. (Swansea) dit & Co. Manufacturer, Los Angeles, Dunn & Co. Manufacturer, Los Angeles, Aug 5-6 d White Star. n. Baltimore, New York & d White Star. n. Barzil via Madeira, S.S. Co. (King's No. 2) Sep 27 Line. Durham, Bombay, dure to Co. line director of the Co. line	Flora. R. R. Manc. R. Manc. Pache H. Manc. Pache Recor Richas. R. Zuidel Ragin R. Zuidel Ragin R

Cunard R.M.S. "Mauretania" in tow of "Sun" Tugs tia, Montreal, Jonaldson Line. Ia. Valparaiso, S.N. Co. S.N. Co. regor Laird, W.C. Africa, lder Dempster Lines. kand, Calcutta via London & Dundee,

chlder Dempster Lines.

Aug 8

Aug 8

Aug 9

Aug 8

Aug 9

Aug 9

Aug 9

Aug 9

Aug 9

Aug 4

Aug 6

Aug 7

Aug 7

Aug 2

Aug 7

Aug 2

Aug 2

Aug 2

Aug 8

Aug 6

Aug 8

Aug 6

Aug 1

Aug 22-23

Aug 22-23

Aug 16

Aug 14

Aug 16

Aug 16 Holt & Co. Holt & Co. Glasgow, early Aug Glasgow, early Aug onstant, Alexandria via
Glasgow,
urness, Withy & Co.
ara, Port Pirie via Antwerp,
Holt & Co.
dway, Melbourne,
Holt & Co.
ona, Vancouver,
S. N. Co.
under, Valparaiso,
S.N. Co.
vith Force, Avonmouth,
Coker & Co.
dard, Curacao,
urness, Withy & Co.
Dingle Oil Jty.)
er, Hongkong,
Holt & Co.
ot, Puerto Deseado,
S. N. Co.
RSTON RSTON Haukipudas, W. Turner & Son nin Sherburn, Ornskoldsvik umn Sherburn, Ornskoldsvii via Clyde, Watson & Co. (Salford) irlo, Cabo Blanco, T. Bowring & Co. Blesmere Port). Beanumont & Baytown, opt & Maguire (Barton & lode Wheel), Furugrund, F. Sanderson & Co. hester Progress, Montreal ester Progress, Montreal, enchester Liners sham. Botwood, Watson & Co. (Ellesmere ort).
der, Houston.
W. Jones & Sons
trd Upjohn, Galveston,
Watson & Co. (Salford).
Geffe,
F. Sanderson & Co.
rburgh, Tunis,
(Warrington). rs, Skoghall, RKINGTON ROSSAN street, Curacao, L. Alpine & Co. Min Sherburn, Ornskoldsvik, early Aug Porce, London, now due Force, London, Knight, Watson & Co. Naples,

Allan, La Plata,
Crawford & Son
Angus, Mombasa via Liverpool,
Lyzer Irvine & Co.
Chattan, Newcastle (NSW)
ayzer, Irvine & Co.
Macaulay, Sydney,
oxburgh, Colin Scott & Co.
Ire Ken, W.C. Africa,
Lyzel Mail Lines. Aug 15 Sep 6 Aug 22 yal Mail Lines. r, Calcutta via London and Dundee, and Dundee, Aug 12
nchor Line
r, Newcastle (N.S.W.) via
Liverpool, abt Sep 7
oxburgh, Colin Scott & Co.
onstant, Alexandria, Jly 31
Bruce & Co.
lway, Melbourne via Liverpool, mid Aug
tiken, Lilburn & Co.
syte, Bona.
C. Peacock & Co.
loric Bland, Santiago, now due oric Bland, Santisgo, & J. Denholm (Greenock), gton Court, Wabana, B. Couper tothesay Dk., Clydebank) now due Aug 2 NE
sa, Bergen,
sa, H. Matthiessen & Co.
lyne Commission Qy,).
gne, Oslo,
H. Matthiessen & Co.
lyne Commission Qy,).
gne, Oslo,
H. Matthiessen & Co.
lyne Commission Qy,
ambrook, London
argreaves (Newcastle), Ltd.
Pelaw Main Staiths)
er, Bergen,
H. Matthiessen & Co.
lyne Commission Qy,).
ander. Montreal,
Milburn & Co.
lna, Aruba,
ann, George & Co.
lene, Fraserburg,
argreaves (Newcastle), Ltd.
Pelaw Main Staiths)
ergate, Three Rivers,
yman, Bell & Co.
gcreek, Peterhead,
argreaves (Newcastle), Ltd.
Junston Staiths)
stroom, Antwerp,
argreaves (Newcastle), Ltd.
Junston Staiths)
RTLEPOOL Aug 2

Aug 4 Jly 31 Aug TLEPOOL Jly 31 Aug 2 DLESBROUGH dden, Narvik, odish Iron Ore e Colne, Lubeck now due McGregor, Gow & Holland (Dent's Wf.)

Fitted with Fire-Monitors, and Powerful Pumps for Fire, Salvage, and Ou Bunkering. Steam supplied to vessels

LARGE FLEET

OF POWERFUL TUG

FOR ALL PURPOSE

Telegrams and Radio Telegrams
"Skiffs Phone London" Royal 5921 (4 lines) Royal 5325 (2 lines) King George V. Dock Office: Albert Dock 2278 (2 lines) About Service including Sunderly Gravesend Office: Gravesend 4231 (2 lines)

one Service between Thames Tug Stations and Coast. City Office: 44, Leadenhall St., E. Royal 1328 (2 lines) and Royal 3355 H. J. ALEXANDER, Ltd., Wapping, London, B

FOR ALL LONDON RIVER

AND COASTAL TOWAGE

early Aug

Aug 19

Aug 15

early Sep

mid Aug

now due

Aug 2

Sep 8

Aug 23

now due

Aug

Aug 6

Aug 3-4

early Aug

Ang

Jlv 31

Aug 12

abt Aug 2

early Aug

now due

Ang 6

Aug 2

# Jly 31 WILLIAM WATKINS, LT

Established 1833 SEA AND RIVER TOWAGE Fenton House, 112, FENCHURCH LONDON, E.C. 3 Telephone—Royal 5434
Telegrams—"Towage Fen London"
"Towage Gravesend"

ELLIOTT STEAM TUG CO POWERFUL OCEAN-GOING TUGS
Dredging Plant a Speciality Vessels towed to any part of the world Apply-60. Fenchurch St., London, E. Grams-"Dick London" & "Challenge Grayes<sup>86</sup> 'Phones-Roval 2908 (2 lines) and Gravesend

#### GASELEE & SON, Ltd Established 1879

Towage Thames and Medway

8/8,FENCHURCHBUILDINGS,LONDON, Telephone No.: ROYal 7541 Night Phones: Northwood 1921 East Telegrams: "Gaswater Fen London"

Sea & River Towage by Powerful Till Equipped with efficient pumps for fire and Salvage purposes.

And at TERRACE PIER, GRAVESEND Grams—Gameacock, Gravesend Phone No.—Gravesend 216 (Day and Night) Apply—48/50, ST. MARY AXE, LONDON, E. Phone No.—AVEnue 5787 (2 lines)
Grams—Salvatewa, Stock, London

GAMECOCK STEAM TOWING CO., LI

ROBINSON & CROSTHWALL Managers-Tees Towing Co., Ltd. TOW ANYTHING ANYWHER

Tels, Radios and Cables—"Tug"
'Phone—(4 lines all hours) 3273 MIDDLESBROUGH-ON-TE

LARGE FLEET OF TUE OF ALL CLASSES



OCEAN, RIVER & HARBOUR TOWN UNDERTAKEN

### RISDON BEAZLEY! SALVAGE & TOWAGE

PUMPS, COMPRESSORS, DIVERS & EQUIPM FOR IMMEDIATE HIRE -75621 Telegrams-Topmast Souths SOUTHAMPTON

C. J. KING & SONS, LT AVONMOUTH BRISTOL STEVEDORING United Steel Companies, Ltd.
n. Bona,

By THE GROVE TOWAGE and for Tugs: "Stevedore, Bristol,"

> LEITH SALVAGE & TOWARD CO., LTD. SALVAGE STEAMERS, TUGS & PL available on shortest notice.
> COASTING AND SEA TOWAGE

Apply: 16, BERNARD ST., LEIT Telegrams: "Tugs Leith." Telephone: Leith Aug 22
Aug 2
Aug 2
Aug 12
Aug 14
Aug 15
Aug 16
Aug 17
Aug 17
Aug 18
Aug 18
Aug 18
Aug 18
Aug 18
Aug 19
Aug 2
Aug 3
Aug 2
Aug 2
Aug 2
Aug 2
Aug 2
Aug 3
Aug 2
Aug 3
Aug 3
Aug 4
Aug

AS

Aug

CL.N.E.R. Dk.)

HULL

Consuelo, Baltimore & New York, early llerman's Wilson Line

Empire Conqueror, Gothenburg, App.

Ellerman's Wilson Line (Albert)

Empire Consistence, Oslo,

Ellerman's Wilson Line (Albert)

Empire Gaiway, Gothenburg via Immingham

Ellerman's Wilson Line (Albert)

Empire Gaiway, Gothenburg via Immingham

Ellerman's Wilson Line (Albert)

Empire Gaiway, Gothenburg via Immingham

Ellerman's Wilson Line (Albert)

Ellerman's Wilson Line (Wm. Wright)

Meroe, Genoa via London, early

Ellerman's Wilson Line

Queda, Calcutta via London &

Antwerp

Ellerman's Wilson Line

Queda, Calcutta via London &

Antwerp

Queda, Calcutta via London & Antwery
Ellerman's Wilson Line.
Rembrandt, Vancouver,
W. A. Massey & Sons
Robert S. Lovett, Galveston,
W. Brown, Atkinson & Co.
Sacramento, New York,
Ellerman's Wilson Line
(King George).
Samwinged, Newcastle (N.S.W.),
McGregor, Gow & Holland
(King George)
Selby, Hamburg.
Ellerman's Wilson Line
(Wm. Wright)
Skjold, Denmark.
Ellerman's Wilson Line

Ellerman's Wilson Line (Wm. Wright) Umgeni, Beira, McGregor, Gow & Holland IMMINGHAM Brika, Middlesbrough, F. C. Strick & Co. Stanridge, Botwood,

Stanridge, Botwood, Stonehouse & Cory.

Aug 21

now due

THE CORPORATION OF LLOT at Llord's, London, England.