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August 22nd, 1946

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Dated at Newcastle this 26th day of Angust 1946. August, 1946.

COMMON BROTHERS, LTD.,
Managers

#### PROPOSAL TO CHANGE A SHIP'S NAME

I. WILLIAM SCOTT, of Oriel Chambers, 27. High Street, Hull, HEREBY-GIVE NOTICE that, in consequence of a condition of sale agreement, I have applied to the Ministry of Transport, under Section 47 of the Merchant Shipping Act, 1894, in respect of my ship "EMPIRE FATHOM," of Hull, official number 180934, of gross tonnage 411 tons, of register tonnage 190 tons, heretofore owned by the Minister of Transport, Berkeley Square House, Berkeley Square, London, for permission to change her name to "FOSDYKE TRADER," to be registered in the said new name at the Port of Hull, as owned by the B. W. Steamship, Tug & Lighter Co., Ltd., and William Scott.

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

Dated at Hull this 26th day of August,

Dated at Hull this 26th day of August,

WILLIAM SCOTT.

#### OFFICIAL NOTICES

[Folio 76] 1946 C. No. 1083

NOTICE TO APPEAR IN THE HIGH COURT OF JUSTICE ADMIRALTY DIVISION

SHIPS "ANTENOR" AND "LLANGIBBY CASTLE"

"LLANGIBBY CASTLE"

WHEREAS in an Action of Limitation of Liability instituted in the High Court of Justice on behalf of China Mutual Steam Navigation Company, Limited, against Union-Castle Mail Steamship Company, Limited, the Judge of the Admiralty Division of the said High Court did on the 29th July, 1946, amongst other things, pronounce that in respect of loss or damage to Ships, Goods, Merchandise, or other things caused by reason of the improper navigation of the s.s. "ANTENOR" on the occasion of the collision between that vessel and the motor vessel "LLANGIBBY CASTLE," on the 27th day of March, 1945, the Owners of the said s.s. "ANTENOR" are answerable in Damages to an amount not exceeding \$83,078 16s. 0d. (such sum being at the rate of £8 for each ton of the registered tonnage of the s.s. "ANTENOR" with the addition of engine-room space) and such further sum as may be found to be due by the Registrar at the rate of £8 a ton after the remeasurement of the s.s. "ANTENOR" THIS IS THEREFORE TO GIVE NOTICE fo all persons having any Claim

ANTENOR"
THIS IS THEREFORE TO GIVE
NOTICE to all persons having any Claim
in respect of the loss or damage caused as
aforesaid, that if they do not come in and
enter their claims on or before the 30th
September, 1946, they will be excluded
from sharing in the aforesaid amount.
Dated the 31st day of July, 1946.

Taken out by BENTLEYS STOKES & LOWLESS, 32, Bishopsgate, London, E.C. 2, Solicitors.

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SHIPPING GAZETTE (Established 1734)

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WEDNESDAY, AUGUST 28, 1946

High Water, London Bridge ... 03 48 16 02 High Water, Liverpool ... 00 49 13 14 Sun Rises ... 06 04 Sun Sets Moon Rises ... 07 35 Moon Sets The above times are B.S.T.

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

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

depression is approaching our S.W. them down until there is some districts from the Atlantic, There will evidence of empty slips and men he rain at first in Southern districts unemployed. followed by local showers. There will be fair periods and showers in the North and in Ireland.

with occasional rain or showers in many districts.

northern ice peak off North Cape.

L'atherine, Elfreda, Gazelle, Tattoo, wasted. Gorgon, Pique, Chance, Fairy, Cynthia, Frolic, Jasper, Combatant, anything? There is any num- Chelsea Embankment, London, S.W. Tourmaline, Steadfast, Foam and Florizel, sailed from their base in but they are just being kept & Son, Ltd., and an underwriting North-West Scotland on June 15, idle. Ships are kept a fortnight at member of Lloyd's, who died on North-West Scotland on June 15, idle. Ships are kept a fortnight at formed up off North Rona and began | Singapore doing nothing but growing | independent sweeps, linking up mine- weeds on their bottoms, and then they fields between North Rona and the have to be put in dock to get them off. Faroes, and thence to Seydisfjord, on We must make it a priority job to stop the east coast of Iceland. Sweeps were waste wherever we can and make steamed for as long as 36 hours at one everyone join in production before we time during this first operation.

The next operation was in the tion. notorious Denmark Strait, separating Mrs. Holt was presented with a gift Iceland from Greenland. Here the to mark the occasion. hindered by fogs and gales. The understood to be about 9000.

DRY DOCK 502 Ft. by 68 Ft.

SHIPS

Sir F. Rebbeck on the Only Way

#### **EMPTY SLIPS & UNEMPLOYMENT**

From Our Own Correspondent

BELFAST, Tuesday

Speaking at the launch of the motor eargo liner Calchas, which Harland & Wolff, Ltd., Belfast, are building for

Messrs. Alfred Holt & Co., Liverpool. Sir Frederick Rebbeck gave his opinion that there was no way of getting the prices of new ships down until there was some evidence of empty slips and men unemployed. Mr. Lawrence D. Holt, replying for the owners, spoke critically of the time vessels were now forced to spend in port.

The vessel was launched from the Musgrave yard of Harland & Wolff. Ltd. The naming ceremony was performed by Mrs. Lawrence D. Holt, who was accompanied by her husband. Mr. Lawrence D. Holt. The owners were also represented by Mr. W. H. Dickie, manager; Mr. H. Flett, naval architect; and Mr. W. N. Harrison, resident engineer. The builders were represented by Sir Frederick Rebbeck, chairman and managing director, Lady Rebbeck, and a number of directors and senior officials.

The fact that the Calchas was the first ship built for Alfred Holt & Co by Harland & Wolff was referred to by Sir Frederick Rebbeck when he pro posed the toast of the new ship and her owners at a luncheon following the launch. "My only regret," said Sit Frederick, "is that we are not building more ships for them, but I believe we can get more ships if we can satisfy them we can build the ships they want and at the prices they want to pay." Speaking of the shipbuilding outlook,

Sir Frederick said at the moment ships were being bought because needs must, but once that phase was over they could only get ships if they could offer the prices to attract good shipowners. I have real concern and anxiety, he declared "over what is going to happen once the position changes from a sellers' to a buyers' market. must continue to convince owners that we are trying all we can to keep down prices. Our men must also be prepared to believe that we are really trying to keep the cost down in their General inference: A depression is own interest but I do not think centred South of Iceland and another there is any way of getting

Responding Mr. HOLT recalled the association between the company and Belfast. The first Calchas, of 6748 Further outlook for the British tons, he said, was built in 1899 at a Isles: Unsettled conditions persisting cost of £8383 and the second in 1921 by Workman Clark at a cost of £632,000. The Calchas launched that day was of 8250 tons and 154 knots and he did not dare to speak of the cost in her case. "We have immense respect

has extended almost to the limits of the said. "It is scandalous, and the Government ships are worst of all. What we want is a committee of the The flotillas, consisting of H.M. ships best people in the land to see what is

> "Why should we be short of ber of ships to bring goods here. can possibly hope for better consump-

ships operated in perpetual daylight, The Calchas is a single-screw motorbut after one fine spell the weather ship 485 ft. in length overall, 450 ft. broke up and during their 17 days at b.p., 62 ft. in breadth, and 35 ft. in sea before returning to Reykjavik the depth. Her gross tonnage, though not work of the sweepers was much given in the official description, is flotillas finally moved to the east coast high-class cargo-liner type, with accomof Iceland, where further successful modation for 12 passengers, she has sweeps have been carried out. From two masts and a single funnel and four there they will return to the United large main cargo holds. The accommo-Kingdom after a spell of two months in dation for officers and European crew is amidships and for native crew aft. The propelling machinery consists of main working pistons. The diameter

## REDUCING COST OF CRACKED ASPHALT AS FREE PORT IN U.K. FUEL

#### Another Anglo-Saxon Experiment

From Our Own Correspondent

JARROW, Tuesday

When the turbo-electric tanker Heliina leaves the Wallsend yard of Swan. Hunter, & Wigham Richardson, Ltd. for trials in October her boilers will be fired with a fuel consisting of a cracked asphalt, which has hitherto been a waste product. The Helicina be the second vessel in which experimental use has been made of a low-grade fuel by the Anglo-Saxon Petroleum Company, Ltd., with the object of securing economy in running costs. With the economies achieved, the company intend to carry out all possible improvements in crew accommodation. In the *Helicina*, for example, each member of the crew will have a cabin for himself.

The work of adapting an oil-burning unit for the more viscous fuel is being carried out on behalf of the Anglo-Saxon Petroleum Company, Ltd., by Swinney Brothers, Ltd., of Morpeth and North Shields, who are suppliers of the standard units normally used in the company's steamers. A boiler of the type to be used in the Helicina is understood that the problems inherent in the use of a highly viscous fuel for steam-raising have been overcome.

The Helicina, which was launched on Apr. 4, will have a carrying capacity of 17,600 t.d.w. Her turbo-electric propelling machinery will be of 13.000 h.p., and will give her a speed of 17 knots.

#### THE "AURICULA'S" PROGRESS

#### Experimenting with a Reduced Air Supply

By Our Shipbuilding Correspondent Reports received from the motor tanker Auricula, which has now been at sea for 11 days on her maiden voyage to Curacao, continue to show that her modified diesel machinery, in which a low-grade boiler oil is being used as fuel, is running without trouble. During the last few days the experiment of "starving" the engine by cutting down the supercharger air supply has been carried out to obtain data of her performance under bad In the course of this conditions. experiment first one, then two, and finally three, of the four supercharger air intakes were blanked off, Mr. John Lamb, marine superintendent of the Anglo-Saxon Petroleum Company, has expressed himself satisfied

with the record of her performance.

The Auricula's present voyage is being made on a boiler fuel of Venezuelan origin colloquially known as "Ordoil," having a maximum viscosity of 1500 sec. Red. I at 100 deg. F. On her next voyage she will use a much coarser oil, of a variety known as "Transoil," which has a maximum viscosity of 3000 sec. Red. I at 100 deg. F.

# NEW SUBMARINE CABLE TO

Exchange Buildings, Quayside, Newcastle on-Tyne, HEREBY GIVE NOTICE that, in consequence of change of ownership, we have applied to the Ministry of Transport, of Equipment of the most protracted and arduous fregister tonnage 3883 tons, heretofore owned by Ministry of Transport, of Berkeley Square House, W. 1, for permission to change her name to "LARISTAN," to be registered in the said new name at the Port of Newcastle, as owned by The Any Rimster and the port of Newcastle, as owned by The Any Rimster and the port of Newcastle, as owned by The Any Rimster and the port of Newcastle, as owned by The Any Rimster and the port of Newcastle, as owned by The Any Rimster and the port of Newcastle, as owned by The Any Rimster and the Port of Newcastle, as owned by The Any Rimster and Rimster and Any Rimster and Rimster originally laid it provided only one tralia) stated to-day that he had asked telephone and six telegraph circuits. Mr. Ball (British Commonwealth reprecable of a special submarine repeater, MacArthur (Supreme Allied Com-

## RECENT WILLS

Mr. Charles Harry St. John Hornby, of Chantmarle, Cattistock, Dorchester. Dorset, formerly of Shelley House a managing director of W. H. Smith Apr. 26 last, left £1,005,725 gross, with net personalty £956,237, on which estate duty of £632,761 has been paid. Mr. James Henry Catlow, J.P., of

84, Cambridge Road, Southport, Lancs., shipper and cotton manufacturer, and of Lloyd's, formerly of Darwen, who died on Feb. 19th last. aged 80 years, left £32,362 gross, with net personalty £22,324.

Mr. Alexander Kenneth Sowter, of 37, Leigh Gardens, Leigh-on-Sea, Essex, engineer and marine surveyor, a member of the Society of Consulting Marine Engineers and Ship Surveyors. who died on Apr. 16 last, aged 66 years, left £1993 gross, with net personalty nil.

#### AUSTRIAN TRADE DELEGATION

Following the recent signature of a Payments Agreement with Austria and launched yesterday. the relaxation of the Trading with the a double-acting eight-cylinder two-cycle the relaxation of the Trading with the Harland-B. & W. diesel engine of the Enemy restrictions so as to permit rebuilders' latest type, having exhaust sumption of current trade, an official pistons of the same diameter as the Trade Delegation from Austria is on a visit to this country for general discusof the main and exhaust cylinders is sions with the Board of Trade about 550 mm. the stroke of the main the possibilities of developing trade bepistons being 1200 mm. and the stroke tween the two countries. A further of the exhaust pistons 400 mm., the statement will be issued on the conclusion of the talks.

# **PROJECT**

#### Liverpool's Opposition

From Our Own Correspondent

LIVERPOOL, Tuesday At a meeting of the Liverpool Chamber of Commerce to-day consideration was given to the suggested creation of a free port in the United Kingdom. The Chamber voiced its opposition to the scheme, which was described as highly fantastic.

Mr. H. Allan, chairman of the Transport Committee, said the suggestion was originally brought to light when the Chamber was asked by the Association of British Chambers of Commerce to be represented at a meeting in London with Government officials, following a Press campaign in South Wales. The whole matter had been fully and ably discussed from every possible angle, and the conclusions of the sub-committee were unanimous. The only point which found any favour whatever was the claim that it would provide employment.

We in Liverpool," he said, "would be the last people in the world to vote against any project that would find jobs for the unemployed but the whole thing is so problematical and suggests such a terrific gamble that your subin Messrs. Swinney's hands, and it is committee decided that the head must overrule the heart and common sense not give way to sentiment. I would suggest to the President of the Board of Trade that his department would be better occupied in clearing up the mess which they claim to have inherited from the previous Government in giving us a little less of "'thou shalt not and a few more of the luxuries, even necessicies, of life, instead of producing stillborn ideas such as the creation of a free port for Britain." Mr. Allan added that a free port at the best could only be described as highly fantastic.

#### DIFFICULTIES OF CREATION

A report submitted to members of the Chamber stated that the difficulties of creation were concrete and easily expressed. Physical and police barriers round such a port must be complete and effective and it must have within its enclosure or readily available all the facilities of manufacture as well as of handling. Speed of creation was also essential. Post-war international trade would find its own channels and facilities from which only a heavily subsidised new free port could hope to for transhipment or re-export in the ports of Great Britain under their present status

The report added that a considerable part of the cost of creating and fall on the public, which would not reap any benefit for some time to come and gamble. Direct shipping services were port. Any diminution of such a service port for continental entrepot tradehigher general cost and greater risk in the entire project.

not justify the creation of a free port.

### JAPANESE WHALING DECISION

## Australia to Protest

CANBERRA, Tuesday Mr. Chifley (Prime Minister of Aussentative on the Allied Control Council for Japan) to place before General mander in the Pacific) Australia's views on the proposal that the Japanese should resume whaling in the Antarctic. Mr. Chifley said that Australia felt she should have been consulted on the matter as a signatory of the International Whaling Agreement.—Reuter.

#### 'AMERICAN RANGER'S" SERVICES TO SISTER SHIP

#### U.S. Lines Make Cash Awards

NEW YORK, Tuesday Cash awards totalling 21,800 dollars (£5450) have been awarded to the master and crew of the American Ranger for their services to the American Farmer when the latter vessel was engineers, of which he became a partdamaged by collision in the Atlantic ner. Mr. Blythe retired from the firm. early this month. The awards were made in New York by Mr. John in 1943. Franklin, president of the United States Lines, owners of the two sisterships.—British United Press.

The passenger motorship Princess Victoria, built by William Denny & expire on Aug. 31, 1946. It has been Bros., Ltd., Dumbarton, for the L.M.S. | decided that these Orders will not be Railway Company, and intended for renewed on expiry. Therefore the the Larne-Strangaer service, was duties will operate again from Sept. 1,

# RAILWAYS TO BURN OIL

#### Conversion of 1200 Engines Authorised

The Minister of Transport has authorised the main line railway companies to proceed as quickly as possible with the conversion of locomotives from coal to oil, the number involved being 1200. The programme, when completed, will give a saving of coal estinated at 20,000 tons per week or one million tons a year.

The number of engines to be converted, by the individual companies are: G.W.R. 172, L.N.E.R. 450, L.M.S. 485, and S.R. 110. Only heavy duty locomotives which consume the argest amount of fuel will be selected or conversion. It will be necessary to operate them from depots where fuel storage tanks will be installed.

The three main features of the scheme are the equipment to be fitted to the locomotives, storage installations in the locomotive depots and tank wagons required for transporting the oil from the ports to the depots. The Ministry of Supply is giving every possible assistance in the provision of the material necessary for equipment and storage tanks. A considerable tonnage of steel will be required, and complete standardisation of some of the parts is impossible owing to the fact that different types of engines are involved. Each of the main line railways will carry out its own work of conversion with the equipment supplied. No difficulty is expected in obtaining the required number of tank wagons for transportng the oil, but they will require to be fitted with steam heating coils to keep the fuel fluid.

For more than a year the G.W.R has carried out valuable research work in the use of oil fuel for locomotives and are now operating a number of oilfired engines for both passenger and goods trains, with successful results. The experience gained will be invaluable to the engineers of other companies in their joint effort to save

#### TERRITORIAL REUNION

#### 53rd A.A. Regiment R.A.

It is proposed to hold a reunion of all past and present members of the 53rd A.A. Regiment R.A. at the unit's new drill hall at the White City during November next. As will be remembered the regiment was recruited in divert it. Adequate facilities existed 1922-3 from insurance companies. banks and Lloyd's, each of which supplied a battery. This will be the first opportunity on which it has been possible to arrange a reunion since the part of the cost of creating and cessation of hostilities and it is operating a free port so as to make it confidently expected that there will be sufficiently attractive was certain to a very large attendance of those who

have been connected with the unit. In order to assist in the satisfactory would in any event be financing a organisation of the reunion it is neces sary that a reasonably accurate estiessential to the success of any free mate be made of the numbers intending to be present, and it is requested that -very probably in the use of a British all past and present members of Lloyd's Battery who wish to attend should send was bound to result in increased an intimation to this effect, together freightage charges, with consequent with their present private and business address, to 159 (Lloyd's City of London) A.A. Battery R.A., Lloyd's, London, The Chamber passed a resolution to E.C. 3. Any action which ex-members the effect that it was of opinion that of the battery can take to advise their the risks and difficulties involved did ex-comrades of this gathering will be appreciated.

#### Obituary

### MR. ALFRED RODGER

We regret to announce the death at the age of 70, of Mr. Alfred Rodger a former director of James Steele (Insurance), Ltd., and an annual subscriber to Lloyd's since 1920. Rodger was connected with Messrs. Fleming & Galbraith. insurance brokers for nine years, prior to joining Messrs. James Steele (Insurance) in 1903, and was a director of the latter firm at the time of his election as an annual subscriber. Mr. Rodger, whoretired in March, leaves two daughters. The funeral will be held at Christ Church, Wanstead, to-morrow at

#### MR. W. J. BLYTHE

Mr. William James Blythe, who was for 30 years a Tyneside marine engineer, died in Sunderland at the week-end. When he was 15 Mr. Blythe left his native St. Bees, Cumberland. to join the Wallsend Slipway & Engineering Company, Ltd. After serving his apprenticeship he went to sea as an engineer, leaving in 1914 to join a firm of consulting and marine Messrs. Wilson & Blythe, of Newcastle,

#### FISH IMPORT DUTIES REIMPOSED

At present the import duties on fresh fish and fresh shell fish are suspended by Import Duties Orders that 1946.

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## FREIGHT MARKETS

By Our Own Correspondent

THE BALTIC, Tuesday Although the amount of free tonnage available remains limited, a large number of orders continue to be circuhas been fixed for six months' sary. In the discount market there are reports of 17s. 6d., while there are reports of 17s. 6d., baring been paid for the trip out from having been paid for the trip out from NEWCASTLE-UPON-TYNE, Collingwood Building: this country to the Eastern Mediter-

> In the North American department an interesting development has been the announcement of the UNRRA heavy grain programme for September. Vessels of about 8500 tons 10 per cent. are required from Albany to Bremen at and prices continued to display irregu-\$12.70, from Houston to Shanghai at larity. Oil shares were supported at \$26, from Port Arthur also to Shanghai the outset, but failed to maintain the at \$26, from Galveston to Trieste at whole of their early advance, and there at \$26, from Galveston to Trieste at whole of their early advance, and there \$17.10, from Galveston to Gdynia at were a few bright spots in the mining Owners," Mr. Henry Robb said that \$16.40, from Galveston to Greece at markets. \$17.80, and from New Orleans to indicated, while an American steamer is reported to have been taken for coal from Portland (Oreg.) to New Zealand

A vessel of any size is wanted for Philippines to 1/2 ports West Italy for the first half of September, the rate indicated being \$175,000 to \$185,000 Shipping issues were fairly active, f.i.o. basis for about 450,000/500,000 but usually prices fluctuated within cu. ft. bale, while a September vessel of 3000/5000 tons is wanted for

quiet, despite the active inquiry. Many orders are quoting for phosphate from the Red Sea ports to Australia, and tonnage might be worked for a issues. Cable and Wireless receded ½ to SAILING SHIP MUTUAL INSURANCE at 220s. per standard. It is under-association, LTD... 9d. to 35s. tonnage is being directed to lift timber cargoes from the Baltic and White Sea ports for this country at the schedule

FIXTURES

#### PROVINCIAL REPORTS

From Our Own Correspondents

LIVERPOOL, Tuesday Limited tonnage availability with numerous cross-sea requirements give the market steady conditions. A steamer has been fixed for 40,000 qrs. Montreal grain to United Kingdom at 10s. 9d. for September, and timber cargoes are moving from Eastern Canada to United Kingdom at schedule rates. Northern Range coal shows continued interest to Europe and South America and coal offers Portland (Oregon) to Auckland at \$16 for September. Fixtures: --

ally is slow. Very little home coasting trade offers.

SWANSEA, Tuesday Very few new orders are quoted for the nearer foreign trades and business for more distant destinations is extremely restricted. Coastwise operations are also affected.

NEWCASTLE, Tuesday North European inquiries circulate freely but transactions are severely checked by the paucity of cargoes released; tonnage offers sparingly.

HULL, Tuesday Outward coal cargoes continue to be extremely limited for all destinations. However, tonnage is not pressing and the nominal tone of the market is firm. The local representative of the Control Commission requires handysize tonnage for Portugal and Sweden as well as large tonnage for Italy Fixtures:

TARRAGONA (ldg. Humber) .- 2000 t., 28s. 6d., Sept. 7. WEST ITALY (ldg. Humber).—2600 t., 26s. 3d., Sept.

GLASGOW, Tuesday Scandinavian and African operators are engaged "facilitating" the shipment of the allocations-for that is all their work now amounts to, and otherwise the market is very dull in these sections. Coastal traffic remains a trickle, Eire and the dockyards taking their usual quotas. A good offtake of bunkers has been of some assistance recently.

## MONEY MARKET

A Large Turnover

There was quite a good turnover in Lombard Street yesterday, with the result that credit supplies were by no means plentiful, due to T.D.R. and Treasury bill payments. In addition one of the banks was calling in. Nevertheless overnight loans were arranged at ½ per cent., and no further assistlated. On time charter a large steamer ance from the special buyer was neces-

#### STOCK EXCHANGE

#### Uncertain Tendency

The Stock Markets remained quiet,

In the gilt-edged section movements Gdynia at \$16.40, all with free dis- among British Government stocks were charge. There is an active inquiry for again small. The 3 per cent. War Loan September loading for coal from the at 106 9-16 and the 4 per cent. Fund-Northern Range for various destinating at 118 7-16 were each 1-16 down, tions, usually at the rates recently but gains of 1-16 were shown in the 31 per cent. Conversion to 110 15-16 and Local Loans to 100%. Home railway Ordinary stocks were in quiet demand and closed with a firm appearance, Great Western at 561 and Southern lawful merchandise from 1/2 ports Preferred at 711 were each 1 up, while the Deferred put on 1 to 201 and North

narrow limits, and on balance the only NEWCASTLE PROTECTION
AND INDEMNITY ASSOCIATION

of 3000/5000 tons is wanted to Sept. 1-15 loading for copra from Manila to Antwerp at \$35 on berth terms.

discount of 3000/5000 tons is wanted to Sept. 1-15 loading for copra from As. 6d. in Aviation and Shipping. Cunard changed hands several times at 34s. to 34s. 6d., Elder Dempster at terms. Business in other directions remains 43s, to 43s, 6d, and P. & O. Deferred

either side of 58s.
Quieter conditions ruled in the market for commercial and industrial similar cargo from Bona. A handy- 112, while Dunlop weakened 9d. to sized ship has been chartered for 74s. 6d., Imperial Chemicals 4½d. to pyrites from Huelva to Antwerp or 44s. 7½d., Imperial Tobacco 1-32 to Rotterdam at the slightly lower rate 7 27-32, Leyland 1-16 to 5 3-16, Marks of 29s., while a small timber carrier is & Spencer 3d. to 81s.6d. and Woolworth reported fixed from Finland to Jersey 9d. to 94s. 3d. Dennis advanced 1s. 6d.

Oils closed firmer on balance. Shells improved 1-16 to 4 31-32, Trinidad Leaseholds 1-32 to 6 1-32, British Borneo 2s. to 33s. 9d., United British ls. to 31s. 9d., Anglo-Ecuadorian 9d. to 39s. 3d., and Canadian Eagle 101d. to

PORTLAND (Oreg.) to NEW ZEALAND.
—American stnnr., about 8000 t., 10 per cent., \$15.75 per ton, coal, early Sept.
HUELVA to ANTWERP or ROTTER-DAM.—Stmr., 5600 t., 29s. per ton, pyrites, option Hamburg or Bremen 31s. 6d., early Sept.
FINLAND to JERSEY.—Stmr., 185/200 stds., 220s. per std., d.b.b.
TIME CHARTER.—Empire Mauritius, 5094 t.n.r., 19s. 6d. per t.d.w., delivery New Zealand redelivery Australia, six months' coastal trading, Sept. 2-20.

39s. 3d., and Canadian Eagle 10½d. to 35s., but Anglo-Iranian weakened 1-32 to 5. amounted, before taxation, to £52,275 (£91,189). The net available profit after taxation was £32,275 (£18,189).

MERCANTILE BANK OF INDIA, I.TD .- An interim dividend of 4 per cent. actual, less tax, has been declared on the "A," "B" and "C" shares for the year ending Dec. 31, payable on Sept. 24, compared with interim payments of 3 per cent. actual, less tax, for each of the two previous years.

#### COMMODITIES

GRAIN

for September. Fixtures:—
ISTANBUL to ITALY.—Str., 4800 t.,
40s., f.i.o., Turkish rye, spot.
SFAX to SETE.—4000 t., 22s. 3d.,
phosphate, late Sept.
ANTWERP to ORAN.—Str., 3000 t.,
21s. 6d., coal, early Sept.

CARDIFF, Tuesday
New husiness includes an order for
Freetown, but foreign demand generally is slow. Very little home coasting

### OILS AND OILSEEDS

LONDON (Baltic Exchange), Tuesday OHLS.—LINSEED.—Raw £65, RAPE. Crude £91. COTTON.—Crude £52 2s. 6d. CASTOR.—Firsts £82; seconds £80. GROUNDNUTS and SUNFLOWER.—Crude £56 10s. per ton.

ROSIN.—American grades F to M, 47s.; WG. 48s. 6d.; WW, 52s. 6d. per cwt.
OHLSEEDS.—For shipment. CASTOR-SEED.—Bombay £48 per ton. Other oil-seeds and groundnuts all unquoted.

#### FOREIGN PRODUCE

LONDON (Mincing Lane), Tuesday SPICES.— CLOVES.— Zanzibar spot 11½d. per lb. sellers, c.i.f., Aug./Sept. 10½d. (buyers' licence), afloat 10½d. per lb. sellers. PIMENTO.—Spot 1s. 1½d. per lb. sellers. CHILLIES.—Mombass spot. 155s. per cwt., sellers. MACE.—West Indian pale spot 5s. per lb., nominal. JUTE.— Offers withdrawn and prices are unquoted. SHELLAC.—Open market quotations steady but idle on the basis of 375s, sellers per cwt. 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 and strip, granulated and small lots; export £357 per ton f.o.b. United Kingdom.

TINPLATES.—Home delivery 34s. 3d. basis IC 14 by 20 f.o.t. makers' works; export 38s. to 42s. basis f.o.b. South Wales, COPPER.—Electrolytic and wire bars £84 per ton delivered.

(OPPER.—Electrolytic and whe bars £84 per ton delivered COPPER SULPHATE.—98/100 per cent. £33 10s. per ton (less 2 per cent.) in 2 cwt. bags (free) f.o.b.

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

PIG IRON.—No. 3 Cleveland 169s. 3d.
per ton delivered Middlesbrough area.

## LAUNCH OF THE "TINTO"

Leith Yard's Work in Hand for Wilson Line

From Our Own Correspondent

LEITH, Tuesday The cargo steamer Tinto was launched this afternon by Henry Robb, Ltd., Leith, from their Victoria Shipyards, the naming ceremony being per-formed by Mrs. J. W. Bayley, wife of the managing director of Ellerman's Wilson Line, Ltd., Hull. The Tinto, which will be principally employed on the Wilson Line's Baltic service, is 280 ft. long, 42 ft. in breadth, and 25 ft. 3 in. in depth. She is of the shelter deck type, with four cargo hatches, and has a carrying capacity of about 2050 tons d.w. Accommodation will be provided for a limited number of passengers for a limited number of passengers. Special consideration has been given to the accommodation in the seamen's and firemen's quarters. The propelling machinery will consist of steam engines which will give a speed of 13 knots.

the Tinto was the first of a number of vessels his firm had in hand for the Ellerman's Wilson Line. Mr. Robb declared that his firm was very gratified that these ships had been entrusted to them, for they continued a long association of the Ellerman interests with the old Ramage and Ferguson yard which occupied the site where the Tinto was laid down. Mr. Robb said he had many memories of that association, for he was at one time in charge of the Ramage and Ferguson yard.

The *Tinto* was originally designed to burn coal, but the owners later decided to change to oil fuel and this change is now being made.

#### RESUMPTION OF TRADE WITH HUNGARY

Relaxation of Controls

The Trading with the Enemy Department (Treasury and Board of Trade) draw attention to three Orders made under the Trading with the Enemy Act which came into force on Monday (S.R. and O.'s 1946 Nos. 1432, 1433 and 1434.) Their general effect is to permit trade with the Hungarian State and persons carrying on business in Hungary, and to remove Board of Trade and Custodian control over money or property accruing in consequence of this authorisation. (Hungarian property in the United Kingdom at the date of the Orders and income arising therefrom continue under control.) Further particulars of the arrangements for the resumption of trade relations with Hungary will appear in the "Board of Trade Journal" of Aug. 31, 1946.

The Treasury announce that the text of the Payments Agreement, which was signed with Hungary on Aug. 6 and which came into force on Aug. 26, will shortly be published as a White Paper Payments in respect of imports from, and exports to, Hungary are to be made in sterling through banking channels. Out payments in Hungary in respect of sterling remittances from the United Kingdom will be effected at the National Bank of Hungary's current rate for sterling, which will be the subject of a further announcement. For the time being, banking relations are restricted to an account of the Hungarian National Bank with the Bank of England, through which all permitted payments will be made, but it is hoped at an early date to permit the resumption of wider banking relations. Further inquiries regarding the Pay-LONDON (Baltic Exchange), Tuesday WHEAT.—Small offers of Canadian grades were submitted to the Control at to Hungary should be addressed to bankers.

#### Transhipment Licences no Longer good support from home consumers, Required

The Board of Trade announce that as from yesterday transhipment licences are no longer required for undressed hides and skins, and dressed and undressed leather, including scrap and waste. This concession is subject to such conditions as to security for the re-exportation of the goods as the Commissioners of Customs and Excise may impose.

## TURKEY TO BUY 21 SHIPS

Purchases from Canada and U.S.A. CALGARY, ALBERTA, Tuesday

Mr. CHEFIK GOGEN, marine superintendent for the Turkish State Shipping Lines, who is now in North America as a member of a Turkish purchasing mission, said that the Turkish Government plans to buy a fleet of 21 vessels from Canada and the United States. The Turkish purchasing mission is concerned with the direct purchase or construction of ships and railroad equipment.—Reuter.

## TANKER SOLD TO NORWAY

A new shipping company has been formed at Christiansand under the name A/S. Excelsior (Mr. Einar Rasmussen), with a capital of 800,000k. According to the "Kristiansands Tidende," the company has bought the British tank steamer Moose Mountain Park, 9800 tons d.w., built in 1944. The vessel is being taken over about the end of August and will be renamed COAL EXPORTERS

Wednesday, August 28, 1946

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# THE COAL TRADE

**Special Market Reports** 

From Our Own Correspondents CARDIFF

Conditions in the steam coal trade are very difficult, sellers being extremely short of free supplies. Home demand alone is exceedingly heavy. Foreign export is very small and is to be further restricted for September, while outlook for later months is very

appreciable extent as supplies of anthracites generally are very limited.

Demand is still circulating freely for popular domestic nuts with ever, much new business being possible, UNDRESSED HIDES AND LEATHER while washed grains are becoming increasingly difficult to procure. Cheaper machine-made cobbles receive and the higher classes maintain stable levels. Superior steam smalls are

#### NEWCASTLE

Now that collier annual holidays in Northumberland and Durham are practically over, there are hopes of improving output to the end of the year. Long experience has shown that best yield figures usually come in September and onwards; this would make up for the decreases in July, although it should be remembered that over the eight months of this year both counties are up on the corresponding period of last year. Over 1000 more miners are employed in Durham and 700 more in Northumberland than a year ago.

Outputs continue on a steady basis, but pressure is maintained for every class of coal so that fresh negotiations are difficult. The export section remains quiet, with no prospects of improvement. Only Government orders and a few special cargoes are permitted for bunkers at all docks, and coastwise shipments are up to late average,

#### PHILADELPHIA TOWING RATES Harwin Shipping Agency, Ltd.

inform us that they have received advice from the Curtis Bay Towing Company, of Baltimore and Philadelphia, that as from Sept. 15 the addendum attached to the present Philadelphia contract is cancelled, the discount changed from 15 per cent. to 10 per cent., and the regular work day established as from 8 a.m. to 4 p.m.

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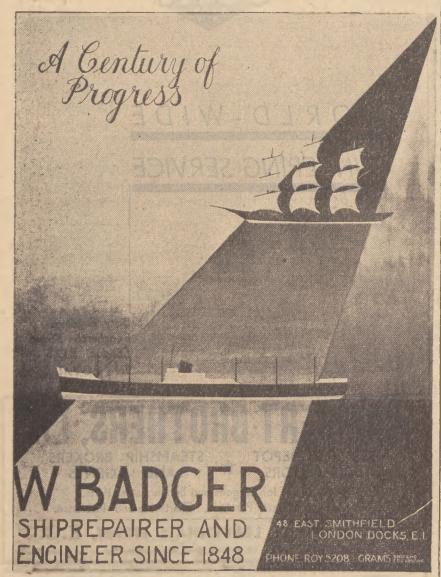
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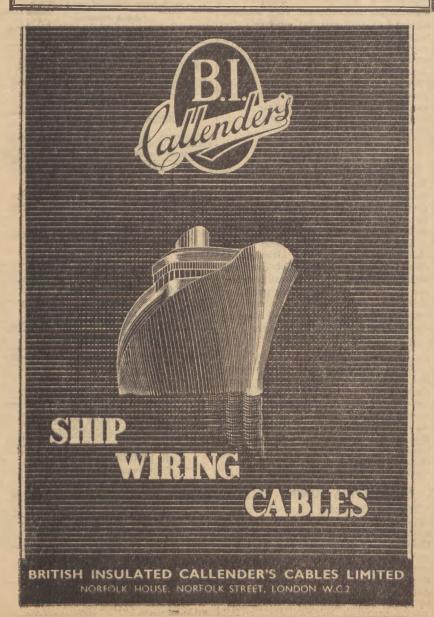
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## MARINE CORROSION

## Under-Water Paints and the Fouling of Ships

#### RECENT INVESTIGATIONS

Under-Water Paints and the Fouling of Ships, With Reference to the Work of the Marine Corrosion Sub-Committee of the Iron and Steel Institute and the Admiralty Corrosion Committee" forms the subject of a paper read before the Institution of Naval Architects by Dr. J. E. Harris, Professor of Zoology, University of Bristol, and Chairman of the Marine Corrosion Sub-Committee, and Mr. W. A. D. Forbes, Assistant Director of Naval Construction, Admiralty, and Chairman of the Admiralty Corrosion Committee. The authors explained that their paper could be regarded as a sequel to the earlier account, "The Corrosion and Fouling of Ships," by Bengough and Shepheard ("Transactions" I.N.A., 1943), in that it traced the development of the work carried out by the Marine Corrosion Sub-Committee and the Admiralty Corrosion Committee since the period covered by the previous statement. They hoped that the substitution of an exact scientific study of the fundamentals involved in the mode of action of anti-fouling coatings would enable rapid progress to be made in the immediate future, without recourse to the empirical methods on which so much of the earlier published work was based. An abstract of the paper is given below.

has given active support to the work assessment has therefore been made in of the Marine Corrosion Sub-Com- the present work. mittee on under-water paints, and has sought to supplement this work also by position is to reduce or prevent the conducting research and experiment work on kindred problems. Further, the policy of the Committee has been to favour concentration on problems of immediate importance to the Admiralty, and in particular it has sought to promote the development of superior anti-fouling paints by the elaboration of tools which would assist the paint formulator to devise better paints and provide means of readily checking the results. Thus, the Admiralty Corrosion Committee has pressed for the standardisation of leaching rate test methods, and for the development of accelerated methods of carrying out such tests, and has itself conducted both panel exposure trials and, so far as war conditions would permit, fullscale trials of paints in ships. Committee has also carried out experiments directed towards the development of better means for cleaning the hulls of ships, such as the use of the wet sandblasting method.

The published data on the effect of fouling on the speed and fuel consumption of ships is not very extensive, and exact records are hard to come by. Dr. Bengough and Mr. Shepheard, in their 1943 paper, called attention to the importance of maintaining a low fouling rate in warships, pointing out that the the qualitative assessment can, howskin-frictional resistance of a ship ever, be increased by reference to the

creases rapidly with fouling. The general account of the fouling process given in the earlier paper of formance of the paint falls short of Bengough and Shepheard provided a description of the most important fouling forms and of the manner in which they settled on a submerged surface. This account may be supplemented by the Sub-Committee's paper of 1944, which provides a detailed description ciable extent on ships, and the fact that of the organisms so that they can be bacteria and diatoms can grow is an recognised when encountered in

Investigations on the biology of these fouling organisms have been concerned with three main lines of study:

(a) The seasonal occurrence of the different organisms.

(b) The sequence of settlement on a

fouled surface.

organisms to anti-fouling poisons.

#### Fouling on a Surface

owner the most important aspect of the rate of the fouling organisms is known, fouling problem is the resistance it pro- and the order of settlement can be vides to the propulsion of the ship, which will depend on the volume and by another, a careful analysis of the type of fouling growths—which deter- data can reveal the approximate hismine the irregularity of surface offered tory of the fouling of the vessel at interto the smooth flow of the water past mediate ports of call. These data make the plates. A quantitative measure of it possible to estimate the service life the amount of fouling on a ship would of the anti-fouling composition up to be very desirable as a means of esti- the time when it first failed to prevent mating the propulsive losses involved. The most suitable terms in which such life may be much shorter than the life an assessment could be expressed from of the composition in a raft exposure the biological point of view would be test, such data provide additional inby describing the density of population formation of great practical import-(i.e. number per unit area), its size and ance. type. Clearly a barnacle which projects outwards from the surface will Other Factors produce more skin friction than a tubeworm of the same volume, which lies governing the settlement of a fouling flat, and so on.

Without accurate experiments on the skin friction of colonies of such organisms, however, it would be impossible of the organism) and the toxicity of to convert the observed data into any form useful for the shipowner, and a

The Admiralty Corrosion Committee, different approach to the problem of

The purpose of an anti-fouling comgrowth of fouling organisms on the surface to which it is applied. Experiments demonstrate clearly that even such highly sensitive forms as mussels, if they become attached when fullgrown, as occasionally happens in raft exposures, can successfully maintain themselves on highly toxic surfaces. Similarly, barnacles which commence to develop on a "holiday" uncoated with anti-fouling paint may, as they grow, cross the toxic boundary and continue successful development even though almost surrounded by the poisonous coating. The only successful method of reducing or preventing growth is therefore by reducing or preventing settlement, and the practical assessment of fouling becomes the much easier problem of assessing the ability of the composition to prevent settlement. Once settlement can occur, growth will proceed at a rate determined by the environmental conditions in the neighpourhood-not to any appreciable extent by the toxicity of the surfaceand the surface can be said to be fouled.'

This qualitative criterion of assessnent is of the utmost importance, since it permits of easy description and can be applied to any type of fouling organism at any season of the yearit is the composition which is being assessed, not the fouling. The value of types of organisms present, which indicate the extent to which the percomplete anti-fouling action. A paint which, in a raft test, allows bacterial slime and diatoms alone to grow upon it may be regarded as an ideal antifouling composition for a ship, since these forms do not occur to any appreindication that the toxic properties of the paint are not being wasted.

Notwithstanding the remarks made in the foregoing paragraphs, a detailed study of the fouling growths on a ship bottom can yield information of a different type which is of great value. Dr. M. F. Spooner has taken careful records of the sizes, relative frequency (c) The sensitivity of the different and condition of the organisms in samples collected from several hundreds of ships for which the routes and periods of stay in port were known. If From the point of view of the ship- the species and approximate growth established by overgrowth of one form settlement of fouling. As this service

We have seen that the main factors organism on a test plate are the season of the year (which determines the presence or absence of the settling stage

(Continued on page 5, column 3)



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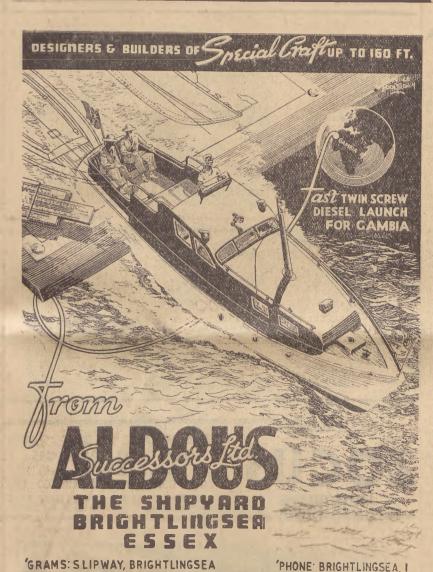
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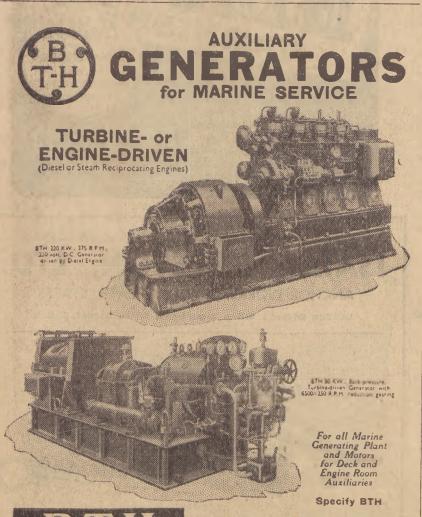


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## MARINE CORROSION

(Continued from page 4, column 4)

the surface (which may limit the settle ment to a few highly resistant species or may eliminate it altogether). the settlement which are also of in-The colour and texture of the sur-

face is of little or no importance in limiting fouling. A few of the fouling surface, the barnacle a relatively rough or even corrugated one. But a heavy fouling settlement will usually cover any kind of surface within a short time. Colour is similarly of little value; many of the organisms settle in darkness-the area below the turn of the bilge is almost in darkness at all times-and only near the waterline would any appreciable effect be anticipated. Here, as might be expected, plant growths predominate, since they are dependent for their existence on relatively high light intensities; the animals (barnacles, &c.) tend to be excluded by the abundance of seaweed in this zone. Even here, however, settlement is very little different on a light or dark coloured surface.

One effect of light (as opposed to the colour of the painted surface) should here be noted. The seaweed growths, particularly that of the green grassike form, enteromorpha, are much more susceptible to poisons at low light intensities where their growth is less rapid, and a paint which may prevent growth at a few feet below the waterline will permit a luxuriant growth of the weed above this level. The almost invariable fouling of ships by "grass" at the water-line, even when the antifouling composition has been carried up to this level, may readily be explained by the above observations, and also by the more rapid breakdown of the antifouling coating in and near the windand-water zone.

An interesting factor in settlement about which very little has been known is the water velocity at which settle-ment can occur. It is well known that fouling occurs almost entirely, if not entirely, while the vessel is at anchor or in dock, but this is partly con-nected with the fact that fouling organisms, since they are essentially colonisers of rock surfaces, only occur in coastal regions. Their free-swimming larval stages are comparatively short-lived and could hardly be expected to occur very far offshore. Nevertheless, evidence from various types of raft tests, including intermittent exposures of extremely short duration, suggests very strongly that not only are most forms like barnacles and tubeworms incapable of settlement at the cruising speed of a ship, but that they cannot settle readily even at speeds as low as those of the tidal current in an estuary. Settlement appears to be almost entirely confined to the period of slack water.

### **Leaching Rate Tests**

Realising that the leaching rate test constitutes a most convenient way of ascertaining how methods of manufacture and variations in the ingredients of a paint, both in quality and quantity, affect the anti-fouling qualities, and that the test provides a powerful tool to assist the paint formulator, the Admiralty Corrosion Committee pressed for the standardisation of the method of conducting such tests. It was felt that if the results of such tests were to be comparable, the various organisations and paint-manufacturing firms who would use this method must carry out the test on a similar basis, and the Marine Corrosion Sub-Committee was therefore requested to set up a panel to investigate this question. Dr. Slater was asked to act as convener of the panel and to co-ordinate the work being done on this subject at the Central Metallurgical Laboratory, Emsworth, at the Chemical Department, Portsmouth Dockyard, and at Millport.

An interim descriptive statement of the methods recommended for the determination of both copper and mercury leaching rates has been prepared by the panel and is about to be published. While much further work remains to be done, this statement should afford valuable guidance to manufacturers of antifouling compositions in this country. The leaching rate test is independent of location, season of the year, or the existence of fouling organisms, and thus enables preliminary laboratory work in checking the results of paint formulations to proceed without the inevitable delays associated with panel exposures. While no claims are made that the leaching rate test affords an infallible guide to the complete ascertainment of the anti-fouling qualities of a composition when used on a ship, there can be little doubt that the method does provide an indication of the probable effectiveness of a paint. The method is thus a most valuable adjunct to supplement panel exposure tests, but must not be regarded as a complete substitute for such tests. Moreover, the ultimate effectiveness of an anti-fouling paint must continue to be assessed from the results of fullscale trials on ships in service, operating under a variety of circumstances.

It will have been noted that the system used for the leaching test does not employ an anti-corrosive undercoat, since the composition is applied to ground glass, and objections have been raised that such a test is not repre-sentative of the behaviour of the com-

plete paint system. It has, however,

been shown that the leaching rate over an anti-corrosive undercoat is not appreciably different from that obtained with the anti-fouling coat alone, when both systems are applied to a ground-glass surface. The use of There are one or two other features of steel specimens for leaching tests is impracticable; however, with very few exceptions (cases in which rapid corrosion and undercoat failure have broken up the anti-fouling coating sufficiently forms have a preference for certain to render it temporarily "effective"). types of surface—pomatoceros, the compositions which fail to attain and compositions which fail to attain and tubeworm, prefers a relatively smooth maintain the critical leaching value foul rapidly when used in service.

The shape of the curve which results when the leaching rate is plotted against the duration of immersion is of some significance. Most leaching curves show an initial rise or fall and only later attain a more or less steady value. Compositions with slowly rising leaching rates are often found to foul in the early stages immediately after immersion; under such circumstances the fouling will persist, since it can only be poisoned at, and shortly after. the time of settlement. The effect of poisons other than copper cannot yet be fully estimated by leaching tests. Mercury leaching rates, measured by the dithizone technique, do not give a true picture of the rate of loss of mercury from a composition.

The sub-committee is at present working on methods for the analysis of the copper and mercury content of coatings, with particular reference to coatings under actual service condi-Methods are being developed for taking samples of such coatings while the vessel is still afloat, so that a continuous history of the paint film can be obtained throughout its service

An instructive example of the use of the leaching test in investigating the constituents of an anti-fouling composition which are responsible for its successful performance, is provided by a study of 150 experimental paints carried out by the Marine Corrosion Sub-Committee. Using a single type of varnish, composed of a binder frac-tion (a rosin-modified phenolic: linseed stand oil with suitable driers), a rosin fraction and naphtha, the effect on the leaching curve was studied on varying:

(1) The grinding time.

(2) The total pigment/rosin/binder ratios (with a constant content of cuprous oxide).

(3) The cuprous oxide and mercuric oxide contents of a composition in which the total pigment/rosin/ binder ratio was held constant.

(4) The secondary (non-toxic) pigment

(5) The varnish, by varying the thinner and by the use of a selection of different plasticisers.

(To be continued)

LLOYD'S LIST Wednesday, August 28, 1946

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Shipbuilding & Engineering Section

# Round the Shipyards

Survey of Work and Prospects

By Our Own Correspondents

THE CLYDE

#### Yard Conditions after De-scheduling

GLASGOW, Tuesday

The strike of platers' helpers employed by John Brown & Co., Ltd., Clydebank, continued until late in the week, but was then settled by negotiation, and the stoppage threatened in a number of other yards was averted. The point at issue was settled by the reinstatement of a shop steward, but there was some attempt to challenge the right to reduce squads by dismissals, and this has certainly not been conceded. A grievance over dismissals at the

yard of Scotts' Shipbuilding & Engineering Company, Ltd., was voiced during the week by the shop stewards, but the dismissals had no connection with the transfer to Messrs. John Brown's yard of the cruiser H.M.S. Defence, and were, as far as female workers were concerned, in accordance with the request of the Electrical Trades Union. This matter was regarded as but "flag wagging" on the part of the shop stewards, for it is conceded that Scotts' Shipbuilding most considerate of employers.

Of more importance are the discussions now understood to be proceeding on the conditions to obtain when the Essential Work Order is lifted from the industry. It is expected that this may occur towards the end of the year, for which notice would have to be issued in the course of the next month. Some movement of personnel may result from the "freeing" of the industry, especially, perhaps, in the finishing trades of joiners, plumbers and electricians-which are also urgently needed in house-building-but the negotiations at present in progress are doubtless aimed at limiting such movement. The guaranted week may be introduced on the lines agreed in the engineering trades, i.e. wages for 34 hours in weeks when the worker is available for employment and no work is to hand, for certain reasons. These latter do not include strikes in other sections, so that the employers hope that a high sense of responsibility may result among operatives, who in addition to the wages guarantee will be assured of seven days' notice of dis-

At present the labour supply position is fairly well balanced, with the finishing trades mentioned inclined to persist as a "bottle-neck," but owing to the changed nature of ship repair work since the end of the war a number of ironworkers have been dispensed with. It is expected, however, that with the retirement of workers who continued working beyond the normal age these will soon be re-absorbed.

An interesting launch to-day was that from the yard of William Denny & Brothers, Ltd., Dumbarton, of the 2300-ton motorship Princess Victoria for the Larne-Stranraer service of the L.M.S. Railway Company. This vessel will have a speed of 19 knots and accommodation for 1500 passengers and about 40 motor cars. Charles Connell

& Co., Ltd., Scotstoun, have put into the water the cargo motorship Marjata built for James Nourse, Ltd., London. The propelling machinery for this vessel will be supplied by Barclay, Curle & Co., Ltd. A completion during the week was that of the Cape Ortegal, a cargo motorship built by Lithgows, Ltd., for the Lyle Shipping Company,

Work continues actively in the repair yards. Barclay, Curle & Co., Ltd., were engaged on 24 vessels during the week, eight of these being in dry dock. At Govan the Fairfield Shipbuilding & Engineering Company, Ltd., have on hand the *Duchess of Richmond* and the *Llanstephan Castle* for reconditioning. Alexander Stephen & Sons, Ltd., have four large reconversion jobs on hand, and in addition last week continued repairs on a number of other vessels. Reconversion of the Canton will not be completed until well into next year. Efforts are being made to complete the whale-oil refinery Empire Victory next month. Of 16 vessels receiving attention by D. & W. Henderson, Ltd., six were drydocked. James Lamont & Co., Ltd., were engaged on repairs to a number of smaller craft.

#### THE TYNE

#### Company has always been among the Flow of Reconversion Work Continues

JARROW, Tuesday Orders continue to be received on Tyneside for the reconversion of big vessels. Those to come include two of the most famous vessels built on the river, the Monarch of Bermuda and the Dominion Monarch. Building yards as well as repairing yards are now engaged on this class of work which is probably employing more men than shipbuilding. Even more will be wanted in the closing months of the year. The recent agitation for over-time or a double shift has not been extended beyond the double shift put into effect by the Middle Docks & Engineering Company, Ltd., on the whale-oil refinery Southern Venturer.

The rise in the cost of steel has been accepted philosophically by shipbuilders and repairers who realise that the steel makers had little or no option in the matter. They appear to be more concerned by the shortage of paint and the tedious form-filling and waiting necessary before it can be obtained. Shipowners are also expressing dissatisfaction.

Among the vessels in the river for repair is the ferro-concrete motorship Lady Kathleen which is at the South Shields yard of John Readhead & Sons, Ltd. The Lady Kathleen which is 277 ft. in length overall and 42 ft. in beam was built at Newport in 1943 and is a big advance on the concrete ships built in the war of 1914-18. In addition to the hull, the decks, hatch coamings and bulkheads are also constructed of concrete. The Lady Kathleen has been running between the Tyne and London and carries both

coal and cement. The Tyne saw the last of the Beren-garia this week, when the stern section, weighing 3000 tons, was towed from Jarrow to Rosyth for final demolition. Its removal will clear the way for any future shipbreaking developments.

Swan, Hunter, & Wigham Richardson, Ltd., have received the motorship Coptic (Shaw Savill & Albion Company, Ltd.), built at Wallsend in 1928, for overhaul and repairs. After being in dock for some months the Beal and Wooler have completed extensive overhaul and reconversion by the Mercantile Dry Dock Company, Ltd., Jarrow. Both vessels were placed in one dock, and they have been succeeded by the Matching. The Nikos T. which has occupied No. 1 dock for many weeks, will not be finished for about another month. Smith's Dock Company, Ltd. last week dealt with 25 vessels at their North Shields yard, 13 of which were

### BELFAST

#### Year's Output Likely to be Unusually Large

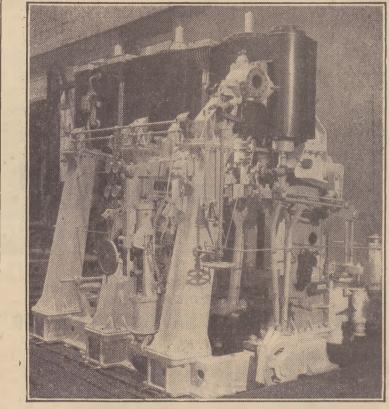
BELFAST, Tuesday The launch of the Calchas for Messrs. Alfred Holt & Co., which took place from the Musgrave Yard to-day, was the 10th of the year from the Belfast establishment of Harland & Wolff, Ltd. The Calchas is a fast cargo liner of 9000 tons gross with diesel machinery built by the builders. She takes the name of a Holt liner which was sunk by torpedoes in 1940.

The latter was one of the numerous links between the Ocean Steamship Company, Ltd., and the China Mutual Steam Navigation Company, Ltd., and the former Belfast shipbuilders Workman. Clark & Co., Ltd., who built 16 of the vessels of these fleets existing at the outbreak of war. Most of these

(Continued on page 7, column 3)

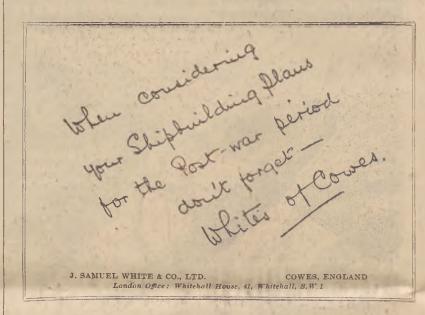
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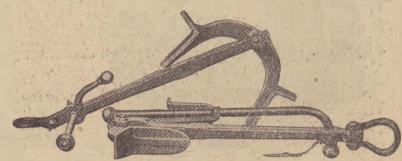
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## Shipbuilding & Engineering Section

(Continued from page 6, column 4)

dated back to before 1914, but the Diomed, Orestes, Idomeneus and are hoping that negotiations in process when the association with Belfast was ployers' demands. suspended until the placing of the order for the vessel launched to-day, certain jobs is also being raised by During the war, however, the Ocean employers. As a result of the war many Steamship Company took over the Belfast-built motorship Empire Splendour and she has since been purchased from the Ministry of Transport and renamed Medon. In all five of the Holt vessels from Belfast were lost.

The next launch from the Queen's Island, on Sept. 24, will be the Lock paid excepting under pre-war agree-Garth (9200 tons gross), a partly refrigerated turbine steamer for the Royal Mail Lines, Ltd., and her sister ship Loch Avon, is due to be in the water in November. Other vessels, including the tankers Lepton and Linguela for the Anglo-Saxon Petroleum Company, Ltd., are to be launched in the next few months, and the aggregate for the year, which already exceeds 100,000 tons (including the aircraft carrier Eagle), will be unusually

The volume of repair and reconversion work has been increased by the arrival of several vessels during the past week. These include the tankers Empire Tagalam, Esso Cheyenne and Nacella. The later has been docked and will have a quick overhaul. The employers' refusal to consider a claim conversion of the motorship Pampas for higher rates of pay, the union im-(Royal Mail Lines, Ltd.) will be a longer job. Launched as the Parramatta by Messrs, Harland & Wolff in 1943, she was renamed Pampas after an earlier vessel lost at Malta, but before delivery she was taken over by the Admiralty as a landing ship. In this role she was known as H.M.S. Persimmon. She has now been released and will be fitted out as a cargo liner. This class of Royal Mail cargo ship began in 1940 with the Pardo, which was followed by the Potaro, the first guarantee existing under the Order. Pampas, Palma (a war loss), Paraguay, Parima and Pilcomayo, all being built by Harland & Wolff, Ltd., at Belfast or

With the completion of a new block of offices Harland & Wolff, Ltd., have been able to recall sections of the company's staff who had to be evacuated during the war. The new block adjoins the main offices in Queen's

#### THE WEAR

#### 600 Years of Shipbuilding

SUNDERLAND, Tuesday A sub-committee set up by Sunder-land Town Council has decided to anniversary of the commencement of nel last week. The firm continued shipbuilding on the Wear at Sunder- with the heavy damage repairs on the land. The sub-committee includes coopted members, with representatives and made progress with the overhaul of the shipbuilders and trade unions. It was decided to hold an exhibition in on the Durenda and Empire Moon were the Art Gallery and Museum from Nov. 16 to Dec. 8 to illustrate something of the history of Wear shipbuilding and its notable achievements. Models and photographs will be shown and there may be examples of actual hand. In dry dock at Cardiff they had shipyard work on view. Shipbuilders, repairers and shipowners are being asked to co-operate, and prominent the St. Andrew. Retriever and Milford leaders in the industry are being invited to attend. Among other suggestions which are to be followed up is

The first of two Cunarders to be built at Sir James Laing & Sons' shipyard will be named Asia when she is launched on Sept. 12. The sister ship will be named Arabia. Some 40 years ago the firm built a passenger vessel, the Yamuna, which later was purchased by the Cunard Line from the British India Steam Navigation Company, Ltd., and renamed Slavonia.

ing at Sunderland.

#### THE MERSEY

#### Problems of Wartime Concessions

BIRKENHEAD, Tuesday Employers in the shipbuilding and ship-repairing industry on Merseyside are endeavouring to remove certain concessions granted to workers during the war period, in the matter of timekeeping and booking on and off. At the time of the air raids, when transport was greatly disorganised, men were allowed to book on at various times during the morning and where there were long travelling distances to book off before the agreed finishing time. Employers now feel that there should be a return to the agreed prewar conditions with only two bookingon times per day, at 7 30 a.m. and 1 p.m., with workers going on to the recognised finishing time of 5 p.m., except where overtime is required.

Another concession related to meal hours in overtime and the finishing time for overtime workers. During the war men used to work right through the overtime spell instead of ceasing work for a meal-time interval. The time allowed for the meal interval was booked in addition to the time actually worked. The employers are now proposing that men required to work more than two hours overtime shall cease work to take the meal

ROUND THE SHIPYARDS | interval and then resume work for the full period of overtime. The majority of workmen are not anxious to return to these pre-war conditions, and workers Agamemnon came in the twenties will result in a modification of em-

The question of extra allowances on

#### SOUTH WALES

#### The Boilermakers' Strike

The strike of some 1200 boilermakers employed in Bristol Channel ship-repairing yards, with an additional 800 attendant workmen rendered idle, has occurred after a policy of non-co-operation by the union has been in effect for nearly six months. As a result of the posed restrictions on piecework and an embargo on overtime. More recently the boilermakers' chargehands withdrew their services on union provocation, and the employers were last week obliged to give notice under the Essential Work Order that they were unable to provide work for the men concerned, giving notice at the same time of the termination of any

Boilermakers in the Bristol Channel months the customary despatch of shiprepairing in the district has been greatly retarded by the general policy adopted by the boilermakers of rework overtime. This has resulted in which could have been secured, much of which has been diverted to other parts of the country and to the

the Joffre Rose, Beltoy and Poznan.

(Continued on page 8, column 3)

LLOYD'S LIST

vessels are arriving in port in an abnormally bad state, and under the present agreement with employers extra allowances can be claimed where the conditions are regarded as abnormal. Employers now contend that with war conditions no longer in existence, extra allowances should not be ments. It is expected that their contention will lead to some developments in the next few weeks.

CARDIFF, Tuesday

are already among the best-paid men in the ship-repairing industry, and the employers consider that advances out of step with the country as a whole are not justified. During the past six stricting piecework and refusing to the loss of a large volume of work Continent.

Mountstuart Dry Docks, Ltd., and associated companies had 13 vessels on organise a celebration of the 600th the blocks at ports in the Bristol Chan-Catrine, William J. Riddle and Aletta, of the Satu, Oku and Sirenes. Repairs continued, and the Fort McPherson Chiswick, Fort Gaspereau and Pacific Exporter were drydocked for voyage repairs and the Ardenza for overhaul H. Bailey, Ltd., had 32 vessels in the Maurice Rose, Jellicoe Rose, Kohistan and Fulham IV. At Newport Queen were on the blocks and at Barry

Hodges & Co., Ltd., at Barry conone for publishing a brochure on the tinued work on the trawler Powis history and achievements of shipbuild- |Castle| in dry dock and dealt with eighBIRD'S BANISHES IN TO SHIPS FOR PERIL TO SHIPS Invention Based DOLL ON WAY FOR WAY FOR on Radar and Television FROMUS ON DECEMBER 23rd, 1945, the m.v. "Atlantic Coast" of Coast Lines Ltd. finished a successful trial trip from London to Liverpool, via Falmouth, using Cossor Marine Navigation Equipment. In the words of the ship's master, Captain Edward Griffiths, "it is the greatest boon the ship-master has ever had and means the end of fog collisions For full details of Cossor Radar Marine and Air Navigation Equipment write to A. C. Cossor Ltd., Highbury, London, N.5 Lossor

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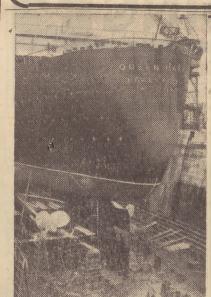
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Shipbuilding & Engineering Section

#### ROUND THE SHIPYARDS

(Continued from page 7, column 4)

vessels alongside. The Prince of Wales | special purpose craft. Extensive Dry Dock Company, Ltd., completed repairs at Swansea on the Glen Helen and received the Uskside in dry dock. The firm had 13 vessels in hand afloat. of a landing craft to a depot repair The Port Talbot Dry Dock Company, ship for Kalis & Co., Ltd., and the con-Ltd., continued work on the tug Willium Poulsom and drydocked the Dorsetbrook.

#### THE TEES

MIDDLESBROUGH, Tuesday Already handling the biggest volume of orders placed on Tees-side, Wm. Gray & Co., Ltd., West Hartlepool, have undertaken a further contract for the building of a cargo steamer of 8500 chant vessels. tons deadweight for the British India Steam Navigation Company, Ltd.

At South Bank repairs and reconversions figure conspicuously in the working programme of Smith's Dock Messrs. Holt's Caledon-Bulit Company, Ltd., while the Furness Shipbuilding Company, Ltd., are building a number of large tankers in addition to the third big whale-oil refinery now nearing completion. There have been relatively few irregularities in the deliveries of material from the steel works, and further improvement is promised as the result of the action of the Board of Trade in curtailing exports of steel in the interests of home consumers.

#### THE FORTH

#### Repairers Busy on Reconversion Work

LEITH, Tuesday fresh news has emanated from the Victoria shipbuild-

the past few weeks and no mention has been made in these columns recently of the activities of these yards, it does not mean that business is slacking off. At from tugs to 2300-tons gross motorships for home and Dominion owners, which will ensure active conditions for very considerable time.

tinuation of several long-term contracts a large proportion of the work has a quota of trawlers in various stages of reconversion.

Last week Menzies & Co., Ltd., had figured prominently in the news as one

merchant vessels, trawlers and

refits are being carried out by Messrs Menzies on two locally owned whale catchers; they also have the conversion version of the large Admiralty trawler Sir Lancelot to a fishery cruiser. Henry Robb, Ltd., had 14 vessels in hand for conversion, survey, general repairs, &c., including the Ethiopian and Kaimanawa for conversion to peacetime requirements after war service. The latter vessel was built during the war by Messrs. Robb for New Zealand owners. Geo. Brown & Sons (Leith), Ltd., continued with the cog, is tested and passed reconversion of a number of trawlers A.1 before the machine and carried out repairs on several mer- leaves the works.

#### THE TAY

# Tonnage

DUNDEE, Tuesday There have been few fresh developments this week. The keel of a pasenger motorship for the Singapore Straits Steamship Company, Ltd., is being laid in the berth vacated recently by the motorship Toward (Clyde Shipping Company, Ltd.) in the yard of the Caledon Shipbuilding & Engineering Company, Ltd. Other vessels approaching the launching stage are the liner Anchises for Messrs. Alfred Holt & Co., and the Beachy, a sister ship of the

The Anchises, which will be put into the water towards the end of next month marks the real start of Messrs. Holt's post-war programme. The Rherenor and Stentor launched last year were Ministry of War Transport hulls adapted as far as possible to suit the owners' requirements. Messrs. ing yards of Henry Robb, Ltd., during Holt are also to take belated delivery of a ship laid down on their account early in the war. She was to have been the last of a series of five fast cargo liners, the others being the Glen-earn, Glengyle, Glenartney and Priam. the present time Messrs. Robb have Taken over by the Admiralty on the orders in hand for vessels ranging stocks she was launched as the merchant aircraft carrier Activity and is now in process of conversion to a merchantman on the Tyne. Activity (11,432 tons gross) holds the distinction of being the largest vessel The ship-repairing section of the in point of tonnage ever built on the industry continued to be well employed Tay, but the removal of her flight deck ast week, and while there was a con- superstructure will reduce her to approximately the 10,000-ton mark

The motorship Shetland launched for ras centred on the reconversion of the Currie Line, Ltd., some weeks ago trawlers and specialised small craft. and now approaching completion, is to Most of the drydocks are occupied by be renamed Scotland. A sister ship these vessels, and each of the wet docks laid down in the Scotland's berth is

4 vessels in hand for repair, includ- of the vessels engaged in the transport of illegal Jewish immigrants from Haifa to Cyprus, was built at Dundee by the Caledon Company in 1941. All but two of the 11 "Empire" vessels launched on Tayside have now been sold to private owners, the exceptions being the Empire Heywood and her sister ship the Empire Rhodes, which was badly damaged by fire at Gdynia last December. Only one of the 11, the *Empire Bard* (3114 tons) will retain bought by the Dundee, Perth & London Shipping Company Ltd. and will don Shipping Company, Ltd., and will be renamed Angusburn, recent sale is the Empire Fa Another of the series, to C. T. Bowring & Co., Ltd.

#### RADIO ENGINEERING IN WARTIME

The story of a part of the wartime activities of the General Electric Company, Ltd., of England, is retailed in booklet entitled "G.E.C. Radio Engineering and the War Effort, radio engineering constituting only one of many technical fields entered by the G.E.C. The scope of radio engineering is itself sufficiently wide, including communications, radar, navigational aids and mine detection apparatus, among many other applications; and an outline account only is possible within the space of the booklet's 48 pages, in which an interesting letterpress is generously supported by illustrations.

#### NEW NORWEGIAN TANK STEAMER

The tank steamer Amica, 7400 tons d.w., built at Fredrikstad mek. Verksted, has run trials and has been taken over by her owners, Messrs. H. C Sorensen & Sonner, Arendal. Built to Norske Veritas class, she is 385 ft. in length, 57 ft. in breadth and 28 ft. 31 in. in depth, and her propelling machinery consists of an F.M.V 'steam-motor'' developing 3300 i.h.p. the boilers are " on deck.

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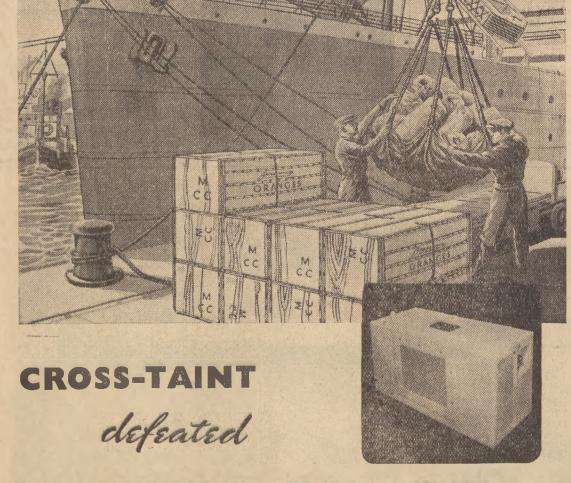
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A General Review

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indicated more motorships than

throughout the world, it has been

invariably the case that as far as

Great Britain is concerned the

latter have far outnumbered the

former. For the quarter ending

June 30 steamers were still in the

ascendancy, but only slightly so, for

there were 190 motorships, of 842,444 tons gross building, as compared

with 195 steamers, of 911,225 tons

The motorship showing is an

important one, for many ships

which 10 years ago would un-

deniably have been diesel-driven are

now to be fitted with geared turbines

and water-tube boilers. This is

particularly true of the cargo liner

class. It is to be noted, however,

that in the group of tonnage

hetween 10,000 and 12,000 tons gross,

whereas only four steamers were on

the stocks, there were 17 motorships.

This was balanced by the 12,000 to

15,000-ton group, which showed 10

steamers and two motorships. There

were also five steamers, of between

25,000 and 30,000 tons gross, though

there were two motorships, of

In the smaller groups, normally

including short sea traders and coasters, the number of steam and

motorships was fairly evenly

regarded as normal, because for

coasting and short sea trading there

has been an almost complete change

round on the part of the owners

from steam to diesel. This is par-

ticularly true of the fishing indus-

try, where conditions of uncertainty

as to delivery, coupled with high

under boilers, seem to have

destroyed the last vestiges of the

shipowners of this class of tonnage

It is perhaps also correct that the

large motorship total is affected to

some extent by the export shipbuild-

ing now going on in this country.

Most foreign owners made up their

minds as to the value of the diesel

ships, of 35,275 tons gross, were

An interesting feature about the

oil engine orders is the use of one

particular type of opposed piston

enjoying extreme popularity in

Great Britain hitherto, has largely

are oil-engine driven.

before the war.

between 15,000 and 20,000 tons.

The Smaller Ships

displayed.

steamers under

Though for many years past the

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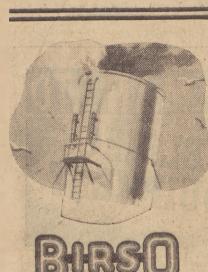
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diesel engine majority, for out of a total of 64 ships, of 190,170 tons gross under construction, only 10, of a mere 18,100 tons gross, are steam driven. Denmark, also, whose shipbuilding industry has rapidly returned to normal, is only building seven steamers, of 19.704 tons gross. out of a total of 31 ships, of 139,650 tons gross, on the stocks. Even Spain is constructing 35 motorships, of 70,216 tons gross, and has ambitious plans for the construction of some luxury vessels for the South American trade, which are to be

fitted with geared diesels, it is

As far as oil tankers are concerned, in spite of a tendency which has shown itself during the war years towards the construction of turbo-electric and geared turbine ships, there is still a large majority of diesel-engined ships of all types building, the total being 72, of 561,997 tons gross, of which 54, of 419,194 tons gross, are diesel-driven. In Great Britain alone the gross tonnage is 227.495 for motorships, as against 99,563 tons gross for steamers. Sweden is constructing five oil-engined tankers, of 53,400 tons gross, and no steamers; Holland has not yet reappeared in the tanker building field, though with a total of 56 ships, of 132,183 tons gross total on the stocks, it is clear that her shipbuilding industry is well on the way towards resuscitation.

So much for the general world picture, what now of the trend of propulsion! Generally speaking, loyalties are being kept. For example, those shipowners in the past who have preferred the doubleacting two-cycle airless-injection engine, still seem to like it. Many tankers are building in which the single-acting four-cycle airlessdivided. This situation cannot be injection engine with continuous under-piston supercharge is to be fitted. There is no doubt that this represents an excellent, simple and reliable method of obtaining a low fuel consumption, particularly when employed in association with exhaust gas boilers of Scotch type.

The growth of the opposed piston prices and the greater endurance 2-cycle airless injection engine has which oil gives, even when burned been commented on above. This also represents a very sound fuel-saving method of driving a single-screw by once strong loyalty to coal which all direct propulsion. It is worth comment that the Norske Amerika Linje A/S, which before the war favoured geared diesels in its German-built Oslofjord, is to go to straight diesel drive in the new ship it has ordered from Amsterdam. On the other hand, the Rotterdam Lloyd Line, in completing at long last its Willem engine some time before their British Ruys, a 35,000 h.p. twin-screw ship contemporaries. Motorships bulked for the Indies trade, will use eight large in such export orders, as eight diesels geared in fours to two shafts.

If the geared diesel does not seem under construction for Holland at to be attaining that immediate postthe end of the quarter; five, of 37,600 war popularity which enthusiasts tons gross, for Norway; and six, of always predicted, it may be said 37,220 tons gross, for Portugal. The that this is owing to no inherent largest individual customer is fault of the geared diesel, but is France, with 63,210 tons gross in 24 rather a question of the types of engines available for delivery. deed, current manufacturing and economic conditions continue to dominate the whole of the marine engineering situation, so that it is two-cycle engine, which although not possible at the moment to give a plain answer to the question, what is the trend of marine diesel (owing to present world conditions) engineering to-day?

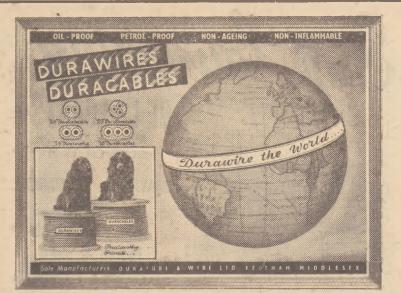
become an international type, of It can be said that there is cerequal numerical standing, as that tainly one trend-a desire by shipenjoyed by certain Continental types owners to use the diesel engine of every type in an increasing number As far as world figures, other than of ships. The reasons for this are not those of Great Britain are con- far to seek and, as far as British cerned, the motorship majority is a shipowners are concerned, are alcomfortable one where individual most entirely governed by uncertain ships are concerned, though not so conditions in the coal industry. The big in actual gross tonnage, being future is a bright one for the oil 700,423 tons gross for steamers, as engine, though there will inevitably igainst 811,959 tons gross for motor- be a certain decrease in the number ships. Sweden, as an individual of proprietary makes as time goes country, shows an overwhelming on.

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# RADAR

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#### Prototype of Standardised Equipment

As announced in LLOYD's LIST of Aug. 16, A. C. Cossor, Ltd., have received an order from Cunard White Star, Ltd., to install radar equipment in the Queen Elizabeth, to be ready in time for the liner's maiden voyage on Oct. 16. The whole apparatus will embody the latest technique based on intensive research and experiment. It standardised equipment readily adapt- from about 50 yards up to 12 miles. able for general use in all classes of mercantile vessels and capable of training. The equipment will conform in all essential principles to the official recommendations laid down. In all, some 80 valves will be employed, including the most modern development of the famous cavity magnetron, in

main units:-

(1) The indicator or p.p.i. embodying display screen and all controls, which will be housed in a special radar room in the wheelhouse. This unit, which is 19 in. wide, 27 in. high, and 12½ in. deep, is supported in a tubular steel frame, and besides the cathode ray screen the panel accommodates a movable cursor, scaled off in miles, working in conjunction with a degree scale on the perimeter of the screen. It also carries the "on" and "off" in. to the mile; test button; calibration button; brilliancy and focussing controls; and a small handwheel to adjust the display in relation to the ship's heading line.

(2) The main rack, contained in a hermetically sealed tank, 30 in. high, 25 in. long, and 25 in. wide. This rack comprises the transmitter and receiver working on a wavelength of 3 cms. the modulator for driving the transmitter; the power pack for supplying and controlling the various voltages necessary, also delay and safety switches to ensure that the transmitting circuits, &c., are automatically switched on in the correct sequence; the lock unit generating the various

#### The Scanner

(3) The scanner, weighing some 150 lb., which is perhaps the most interesting of the units in general appearance. It consists of a long

| curved reflector of true parabolic formation and substantial construction to withstand severe weather conditions. The reflector portion is made of special aluminium alloy as used for flying boat hulls, and is resistant to sea water. Immediately below the scanner, a watertight main casting encloses the gear train, a D.C. motor, and the magslip by means of which the time base line on the screen is caused to rotate in synchronism with the scanner. The hollow oblong-section waveguide and the conduit for cables serve also to circulate dry air from the main rack blower, in order to prevent the formation of ice on the scanner mechanism. will be the prototype of a compact The range of the scanning beam covers

(4) The alternator,  $30^{1}_{2}$  in, long, 30½ in. high, and 17 in. wide, which is operation by any officer without special for installation in the engine-room, and consists of a motor-alternator or converter with an input of either 100 or 220 volts D.C. and an output of 180 volts A.C. at 500 c.p.s

Coincident with the installation of complete radar navigation equipment in the Queen Elizabeth, a second installation is also being fitted in the Noraddition to other types.

The equipment will comprise four wegian whale-oil refinery Sir James Clark Ross, now undergoing refit at Gothenburg. While there is some possibility of "sighting" whales by means of the radar gear, its chief function will be to facilitate safe navigation in the iceberg-infested Antarctic, where fog and other conditions of bad visibility are frequently encountered. Radar will also maintain contact between the parent vessel and the whale-catchers. In bad weather the location of the small vessels will be under constant observation, and when press button; gain control; range necessary the whale-catchers will be witch giving scales of 41, 11 and guided back to the mother ship by radio-telephone instructions.

#### REVERSIBLE PROPELLERS

#### Two Types Fitted to Swedish Sister Ships

The motorships Höken and Ornen. 750 tons d.w. each, built at Lindholmens Vary, Gothenburg, for the Hallands Angbats A/B., Gothenburg, and launched on Apr. 1, were delivered on July 10 and 12 respectively. The vessels, which are of shelter-deck type voltage pulses required; and a blower with raked stem and cruiser stern, and drier unit for dry air circulation. have been built to Lloyd's Register class, with hull strengthened for navigation in ice. They are 175 ft. in length b.p., 30 ft. 6 in. in breadth and 12 ft. in depth to main deck, the mean draught being 11 ft. 10 in. They have two holds, each served by a large hatch and their cargo-handling equipment includes two 3-ton winches and derricks and two cranes; the winches, together with steering gear, capstan and windlass, are electrically driven. Wireless direction-finder and radio-telephony are fitted. The accommodation (single cabins for officers and two-berth cabins for crew) is aft.

. The propelling machinery, which is situated aft, consists of a non-reversible single-acting two-cycle 5-cylinder Polar diesel engine developing 650 h.p. at about 200 r.p.m. The Höken is fitted with a Kamewa variable-pitch propeller, while the Ornen has a propeller with reversible blades, supplied by Jönköpings Motorfabrik. The Bros-Jönköpings Motorfabrik. tröm concern has ordered altogether 10 vessels fitted with propellers with ydraulically reversible blades, and seven of them have now been delivered. The advantages of such propellers were, demonstrated during the trials of the Höken, when 48 manoeuvres were carried out in 6.3 minutes. A maximum mean speed of 12.27 knots was attained with the vessel in ballast; the contract speed is 11 knots in loaded

#### SHORT-SEA TRADER LAUNCHED AT BURNTISLAND

The cargo steamer Merganser, launched by the Burntisland Shipbuilding Company, Ltd., is the sixth vessel to be built at Burntisland for the British & Continental Steamship Company, Ltd., Liverpool. Built with an open shelter deck, extended forecastle, raked stem, and cruiser stern, she is 296 ft. in length, 43 ft. 3 in. in breadth and 19 ft. 6 in. in depth to upper deck. She has a carrying capacity of about 3030 tons d.w. on a draught of 19 ft.

The Merganser will be employed in her owners' services between United Kingdom ports and the near Continent, and is designed for the transport of general cargo. There are four cargo holds, with 'tween decks extending from the fore peak to the crew's quarters aft. The cargo-handling equipment includes one 20-ton derrick The propelling machinery, supplied by David Rowan & Co., Ltd.. Glasgow, will consist of triple-expansion engines with cylinders 20½ in., 34½ in. and 57 in. in diameter, working on a stroke of 42 in. Steam will be provided by three Scotch boilers working on forced draught and fitted with air heaters and smoke-tube super-

A similar vessel, the Lestris, built by Hall, Russell & Co., Ltd., Aberdeen, has already been handed over to the British & Continental Steamship Company.



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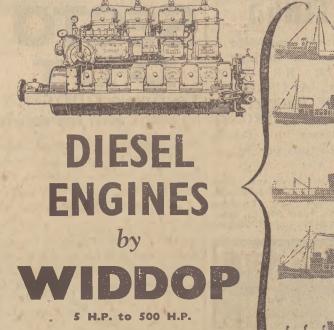


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which in the history of marine elec- and washing machines, &c. tricity will take an important In addition, 3-phase current was motorship of about 600,000 eu. ft. capacity and is propelled by two speed of about 15 knots.

with a capacity of 385 kilowatts, current being supplied at 220 volts. Each motor can be totally enclosed without any inspection opening. The switchgear is also much simpler.

The speeds at which the fans run are either 2930 or 1950 r.p.m. In D.C order to obtain the lower speed a frequency of 100 cycles is used, the motor speeds available with this

#### The Alternators

current to the fans, there are two alternators, each consisting of a 100 K.V.A. machine with an exciter coupled to a 114-h.p. motor, running at 1200 r.p.m., which takes current rent for auxiliary purposes in new direct from the ship's D.C. mains. motorships. Undoubtedly certain Each alternator supplies A.C. at 230 volts, and one machine can deal with conditions at sea in the tropics. Control gear is placed in three compartments, each serving two sets of refrigerator spacing.

It has been estimated that the use of alternating current for these fans results in a considerable economy. Not only is the demand for the D.C. generators less by using A.C., but application. Emergency and standalso the equivalent heat input to the refrigerated space is greater. Figures have been quoted in a contemporary which suggest that while this is particularly true at lowspeed operation, the cost is greater, though the wiring cost is reduced and expense of maintenance is con-

whether the example set by the show itself in the tons per 24 hours owners of this ship is copied by other shipowners in using alternating current for those auxiliary motors where constant duties are should not be universally accept required. There is no doubt that able. Above all, it seems to offer when it is possible to use them many possibilities in the case of turboadvantages in weight and space occur. The starting gear is simpler, more robust, lighter and cheaper rators is always on the A.C. system than that for D.C. motors; they also in any case. have a higher efficiency.

Two or three speed steps suffice for a number of machines for which speed regulation is desirable. Three phase pole-changing motors can be used. Motor generators transformcurrent can be fitted for the deck auxiliaries. When alternating current is used for lighting and cooking it is easily possible to reduce the fine the use of the higher voltages 220/440 to the engine-room proper. The paralleling of A.C. alternators by means of automatic synchro-

nisers is an easy operation. of A.C. for the auxiliary machinery,

A ship was recently completed pumps, separators, cooking stoves

place in the development of the use employed for driving the ventilators of alternating current for auxiliary to the engine-room, among which, purposes. She is a refrigerator apart from those with a normal number of revolutions, there were some which can work at half the number of revolutions or can diesel engines which give a service change direction. This applies to suctions fans, which can be con-All the auxiliary machinery is verted into blowing fans for electrically operated, taking direct supplying fresh air. Three-phase current from four generators, each current was also used for driving low pressure (i.e. 72 volt) fans in cabins, saloon and refrigerating chambers, and for lighting purposes in the cooling and freezing chambers, and for plug conwhich are air-cooled by independent tacts in the engine-room, with the voltage brought down to 24 volts.

In the Oranje there were two small room, converting D.C. into singlephase A.C., which was used throughout the ship for communication purposes, and also for the engineroom telegraph, rudder indicators, passenger quarters. This current was also used for charging batteries The main generator equipment comprised five units supplying 220 volts

#### La Marseillaise"

In France one of the largest alternating current generating equipbeing 2930, 1950, 1450 r.p.m. with ments is now being fitted in the 4, 6 and 8 pole windings respectively. triple-screw motor linea La Marseillaise, which apparently is to be finished for the Far Eastern service In order to supply alternating of the Messageries Maritimes. This ship will have four diesel-driven alternators of 950 k.v.a. output each.

towards the use of alternating curadvantages accrue, but there are also current systems have been subject to high short-circuit currents, causing faults and disturbances. Suitable and operating relays may be necessary. If A.C. voltage is higher than 230, transformers are required for lighting and other low voltage by power from storage batteries ting current. Direct current systems operate successfully without voltage regulators.

favour of the use of A.C. can produce a case for the consumption of It will be interesting to see less current, which will ultimately of the ship, and if they can offer a more compact, robust and reliable motor, there is no reason why A.C electric ships, in which the current for propulsion from the main gene-

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Apart from the United States, much of the development in the use as opposed to propulsion, took place prior to the outbreak of the last war, Boveri were responsible for the tric alternating current ship, been employed in certain engineroom auxiliaries in passenger liners. In the triple-screw 37,500 s.h.p.

transformers in the transformer light call system and bells for the and accumulators for the telephones.

There is a trend in marine circles

a few disadvantages. Alternating circuit breakers, protective devices which is suitable for direct current is not always suitable for alterna-

If, on the other hand, those in

# WINCH

produced by the Tyne Gangway Coming from alternating to direct pany, Wallsend-on-Tyne, enables two men to hoist or adjust the largest barrel type of winch hitherto fitted has necessitated the fitting of a special wire rope hoist, but the new twin Gypsy voltage to an acceptable value by Head Winch hauls on the existing means of transformers and to con- tackle fall and can therefore be fitted on any ship without interfering with tackle generally used on accommodation ladders. The winch is 33 in. high. 17 in, from front to back, and 204 in wide with handle in position. It is of sturdy design and construction and is

Lloyd, Gothenburg, by Gotaverken, is development of the first diesel-elec- 258 ft. in length, and has a carrying capacity of 1715 tons d.w. on a draught through their Mannheim works. In of 16 ft. 5 in. Her propelling machinery Holland, alternating current has consists of a Gotaverken quadrupleexpansion reciprocating steam engine with a turbo-compressor. The cylinder diameters are 13 in., 22 in., 26 in. and 44 in., and the stroke 31 in. The engine motor liner Oranje, 3-phase current, develops 1050 h.p. at 105 r.p.m., giving which ran at a constant number of a speed of 112 knots. Steam is suprevolutions, was used for various plied by two single-ended boilers workmotors in the engine-room, and in ing under forced draught, and having the ship generally for certain superheaters and preheaters.

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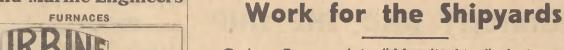
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Number & Type Size 12,000 d.w.

Shipbuilding & Engineering Section

Engines & Builders Diesel John G. Kincaid & Co., Ltd., Greenock

Gotaverken, Gothen- Tanker burg

British Tanker Co. Onstad Shipping A/S, Oslo



The photograph of the motor tanker "Auricula," reproduced above, showing her undergoing trials off the Tyne, was taken after the fuel supply had been switched from normal diesel oil to the boiler oil colloquially known as "Ordoil," to the use of which the "Auricula's" Hawthorn-Werkspoor The clearness of the diesel machinery has been successfully adopted. exhaust is plainly indicated.

#### THE SHARE MARKET

#### Prices Again Higher

Active conditions have again ruled in the market for shipbuilding, iron, oal and steel issues during the past week. A little irregularity developed yesterday, but in spite of that fact on balance the majority of the changes have been in the upward direction. Beardmore advanced 9d, to 31s. 3d. and Babcock & Wilcox showed a similar alteration at 65s. 9d., while John Brown Ordinary and 7 per cent. Preference were each 3d, higher at 30s and 8s. 6d. respectively. Cammell Laird were the turn harder at 13s. 14d., and the last recorded business in Doxford was at the unchanged price of 91s, 3d., but Clarke, Chapman were barely steady. Harland & Wolff rose 3d. to 28s. 3d., Richardsons, Westgarth 6d. to 11s. 1½d. and Swan, Hunter 4½d. to 63s., with a marking at 63s, 7½d., while on Monday Thorny-croft were dealt in at 76s, 10½d. Vickers were fractionally dearer at 27s. 41d. but the Curaulative Preference weakened 6d. to 33s. Firth & John Brown recovered 2s. 6d. to 50s., while Whitehead Iron advanced 2s. 3d. to 86ş. 3d., Weardale Deferred 1s. 3d. to 45s. and the Preferred 9d. to 32s. Thomas & Baldwins Preference improved 1s. 6d. to 32s. 9d., Dorman, Long Preferred 1s. to 48s. 3d., Stewarts & Lloyds Deferred 1s. 3d. to 53s. 9d. and Summers Preference 1s. to 26s. Numerous other shares were 3d, to 9d. firmer, the larger movement being shown in Colvilles to 25s, 9d., but Staveley lost 6d. to 49s. 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:-Yesterday's range of Business of Busin
57/3 47/9 Allied Irufndrs 60/0
1/10 1/0 Amaly Anthra- 1/4, 1/31<sub>2</sub>
cite Ord
61/3 50/7 Babek & Wilcox 65/6, 65/101<sub>2</sub>

Ord
7/1 5/0 Baldwine (Hold: 6/0, 6/214
ings) Ord
29/6 25/0 Beardmore Ord 31/9, 31/3
26/9 21/6 Beardmore 51/8 24/6
Pref 30/0, 24/9 Brown (J) Ord 30/112, 29/9
(10/0 paid)
22/1 20/9 Brown (J) 1st 22/6
11/9 8/6 Cammell Laird 13/112, 13/214,
Ord 13/10 45/0 Clarke, Chapman 61 J. 61 9
Ord

Ord 13/034
51/0 45/0 Clarke, Chapman 61 3, 61 9
Ord 26/3, 21/6 Colvilles Ord 26/0, 26/112, 25/712
27/6 21/3 Colvilles Pref 24/6
10/0 7/6 Consett Iron 9/34, 9/634, 9/514
5132 418 Cory (Wm)Ord 100/0, 100/9, 100/3
29/3 22/6 Dorman, Long 27/712, 27/1012, 27/6
Ord 3/1 Dorman, Long 48/6
Pref Ord 43/1 Dorman, Long 48/6
Fref Ord 49/1012, 50/0
John Brown, Ld. "A" Ord 41/6, 41/3
34/0 28/0 Haddledts Ord 25/3, 25/6
23/112 15/4 Harlind & Wolff 28/3, 28/6, 28/0.7
Ord 28/412
21/0 17/1 Harlind & Wolff 23/412, 22/1012
41/8 Cum Pf
65/0 55/3 Lambert Bros 78/0
Ord 21/0 Ocean Coal ... 4/112, 4/2
12/3 9/0 Pease & Partnrs 17/112, 17/214,
Ord 23/10 19/9 Powell Duffryn 24/3, 24/6, 24/0
Ord 23/10 19/9 Powell Duffryn 21/1012, 22/112

Ord
23/10 19/9 Powell Duffryn 21/10<sup>1</sup>2, 22/1<sup>1</sup>2
Pref
7/6<sup>3</sup>4 5/6 Bichardsons,
Wstrth Ord
54/6 40/3 Staveley Coal 49/9, 49/3
Ord
58/9 46/3 Stewarts & 53/10<sup>1</sup>2, 54/0, 53/9
Lloyds Defd

(Continued in next column)

# IRON AND STEEL

#### High-Phosphorous Pig Very Scarce

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

Producers have heavy order books and buyers are eager to enter into new contracts for substantial forward sup-plies. Pig iron deliveries are insufficient for current needs: users of the high phosphorous qualities are calling persistently for bigger parcels and complain of great difficulty in securing any increase in their allocation. Consumption of the low and medium grades is increasing. Hematite dis tribution covers home requirements, and some additions to makers' stocks are reported, but efforts to obtain export licences are still unsuccessful All basic iron output continues to be absorbed by the requirements of makers' own consuming plants Refined iron manufacturers are deal ing satisfactorily with customers needs, and semi-finished and finished iron outputs are adequate.

The demand for steel, however, far exceeds supplies, and the make of steel semis still falls considerably short of the heavy calls of re-rollers and substantial imports are much needed. The shortage of prime steel billets is acute and pressure for maximum supplies of sheet bars and slabs is unabated. The demand for finished steel is intense and plants producing plates and sheets are assured of full activity for several months. Manufacturers of railway requisites and of colliery equipment also have extensive commitments. The scrap market is active: supplies are plentiful, and large quantities of castiron scrap, machinery metal and good melting steel are reaching the foundries and steelworks.

#### INDUSTRIAL TEN " CLOTHING **COUPONS**

The Board of Trade announce that the "Industrial Ten" supplement of clothing coupons for the 1946/47 ration period will be issued before the end of this year. The opening date will be given wide publicity, and in the meantime employers and workers are asked not to send inquiries to the Board of Trade or to local offices of the Ministry of Labour. The schedule of qualifying occupations will be similar to that for 1945/46, except that workers in clothing factories where the machines are not driven by mechanical power or where less than ten work people are employed are now included. No further claims in respect of the 1945/46 period can be entertained

(Continued from preceding column)

Highest and Lowest 1945 Yesterday's range of Business

Lowest 1945
57/6 41/9 Swan, Hunter 63/7½
Ord
13/7 10/3 Thomas(B.) and 12/1½, 12/4½, 12/0
Raldwins
28/3 22/3 United Steel ... 26/4½, 26/6
20/6 16/3 Vickers Ord ... 27/5¼, 27/7½,
27/1½, 27/4½
33/6 27/3 Vickers Cum 33/1½
Prefce
43/6 32/6 Ward (Thos) 43/10½, 43/3
12/6 6/10½ White (J. 14/3
Samuel) Ord
91/3 78/1½ Whitehe'd Iron 86/4½, 86/3

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ROPES



## "Southern Harvester

The whale-oil refinery Southern Harvester, built by the Furness Shipbuilding Company, Ltd., Haverton Hill-on-Tees, for Messrs. Chr. Salvesen & Co., Leith, has run trials. The vessel is of the shelter-deck type with machinery aft, having poop, open bridge and forecastle, with an additional shelter 'tween-deck 22 ft. in height forward and two sets of 'tweendecks 7 ft. 6 in. and 14 ft. 6 in. in height aft to accommodate the whaling factory equipment. She has a carrying capacity of 20,100 tons d.w., and is 550 ft. in length, 74 ft. in breadth, and 57 ft. in depth. The nine oil cargo compartments are divided by three continuous longitudinal bulkheads into A heavy steel stem casting as well

as an ice belt and intermediate framing are provided for protection against pack ice. The cruiser stern is constructed with an aperture leading to a skidway which is carried through the engine casing to the upper deck level to enable carcases to be hauled up to the flensing deck. The extracting and refining machinery, situated in the main 'tween-decks, includes plants for the extraction of liver oil and for extracting the oil from and dehydrating the meat. Electric hoists, conveyors and elevators are provided for the discharge of whale meat-meal to transport vessels on the whaling grounds. For handling the carcases complement of steam winches is installed, including two of 40 tons and one of 15 tons; there are also nine ton steam capstans on the meat deck. The wireless installation is of suffi-

eient power for direct communication to be made to the United Kingdom from the South Polar region and comprises wireless telephony apparatus for communicating with the whale catchers. Mechanical ventilation is provided for both living accommodation and the factory, and the vessel is equipped with gyro compasses, an echo sounder, and direction finding and radar equipment. A hospital and dispensary are sited aft. All accommodation is ventilated and heated on the Thermotank System, and has been designed to meet the severe Arctic conditions experienced on service.

Power for the electrical services is provided by generators developing 1790 kw. The propelling machinery, supplied by the North Eastern Marine Engineering Company (1938), Ltd., Wallsend, and installed by Richardsons. Westgarth & Co., Ltd., Hartlepool, is connected to two screws, and consists of a set of triple-expansion steam engines with cylinders 27 in., 44 in. and 76 in. in diameter and of 51-in. stroke. Steam is provided for the propelling machinery and for factory uses by eight large single-ended oilburning boilers working at a pressure of 220 lb. per sq. in, under Howden's system of forced draught. A waterevaporating plant with a capacity of 500 tons per day has been installed, consisting of two triple-effect units each provided with its own pumps and distilling apparatus.

#### "Hornby Grange"

The twin-screw motorship Hornby Grange, built by R. & W. Hawthorn, Leslie & Co., Ltd., Hebburn, to the order of the Houlder Line, Ltd., has been launched. She is 480 ft. in length. Designed for trading between the River Plate, Brazil and United Kingdom ports, she is specially constructed for the carriage of chilled meat, having an approximate insulated capacity of 540,000 cu. ft., divided up into 78 separate chambers. There are 23 derricks capable of lifts ranging from 4 to 25 tons. Accommodation for 12 passengers in single-berth cabins is provided on the boat deck. All deck and engineer officers will be accommodated in single cabins. The crew accommodation is of the two-berth type throughout.

The propelling machinery consists of two-stroke opposed-piston Hawthorn-Doxford oil engines, developing 8900 h.h.p. in service. The engines each have four cylinders of 670-mm, bore central scavenge pump.

The auxiliary machinery is electrically driven, current being supplied by four 385-k.w. diesel generators. purposes. Two electric cranes are provided capable of traversing the whole length of the main engines to facilitate rapid overhaul.

#### "Volo"

The cargo steamer Volo, under contruction by Swan, Hunter, & Wigham in depth to shelter deck, and has a oil and residue.

LAUNCHES AND TRIALS hatches, with space for cargo of a total bale capacity of about 132,400 cm. ft. The cargo handling equipment will include two 10-ton derricks and six 5-ton. The generating plant is steam driven. Five double-berth and two single-berth state rooms for the accommodation of 12 passengers are on the boat deck, with the smoking room, the dining saloon being sited on the shelter

> rooms and crew's accommodation amidships, as well as the seamen's and firemen's accommodation aft, is heated and ventilated on the Thermotank punkah louvre system. Three Thermotanks, housed near the funnel, are provided with a special filter to prevent the entry of impure air into the accommodation. Separate branch trunks delivering air at atmospheric temperature are led to the main galley, which is exhausted by means of a Thermotank propeller exhaust fan.

> The propelling machinery, supplied

#### " Lunan "

The motor coaster Lunan, built by Hall, Russell & Co., Ltd., Aberdeen, for the Dundee, Perth & London Shipping Co., Ltd., Dundee, has been launched. The Lunan is a selftrimming cargo vessel, of 1300 tons d.w., with raised quarter deck and open forecastle, cruiser stern and raked stem, and is 216 ft. in length h.p. 34 ft. in breadth and 14 ft. 6 in. in moulded depth. Accommodation for the master and deck officers is provided in the bridge deckhouse. Engineers and seamen are accommodated in the deckhouse aft, separate cabins being provided for each of the seamen on the starboard side, with cabins for the engineers, the cook and others on the port side. There are two cargo holds served by six electrically driven derricks, two 2-ton on the forecastle deck, two 5-ton amidships and two 2-ton on the after deckhouse. Electric hydraulic steering gear is controlled from the bridge by a telemotor system. The propelling machinery consists of a Polar diesel engine of 1000 b.h.p. supplied by British Polar Engines, Ltd., Govan.

#### "Empire Herald"

Transport (Athel Line, Ltd., managers), has run trials. She is 465 ft.

The steam trawler Godetia, built to the order of Irvin & Johnson (South Africa), Ltd., Cape Town, by Hall. Russell & Co., Ltd., Aberdeen, has been launched. She is 160 ft. in length. 8 ft. in breadth, and 15 ft in depth to upper deck. The fishroom is specially insulated for service in South African waters, and has also an insulated room for offal. The deck equipment includes a steam windlass on the forecastle deck, and a large double-barrelled trawl winch. The steam steering gear, of the direct type, is controlled by telemotor. The vessel is fitted with a wireless telephone, an echo sounder and a direction finder. The propelling machinery consists of triple expansion steam engines of 900 i.h.p., constructed by the builders.

The motor tanker British Rose, of 8400 tons d.w., built for the British Tanker Company, Ltd., London, by Joseph L. Thompson & Sons, Ltd., Sunderland, has been launched. She has eight centre and 16 and 2320-mm, combined stroke, with a wing oil tanks, and two main pumprooms. The propelling machinery, situated aft, is to be supplied by the North Eastern Marine Engineering Company (1938), Ltd., and will consist exhaust gas and oil-fired thimble-tube of a Doxford opposed-pisten oil engine, hoiler, together with a smaller oil-fired having three cylinders of 600 mm, hore, boiler, are installed for steam heating and 2320 mm, combined stroke, giving the vessel a service speed of 11 knots.

## "St. Matthew"

by Cook, Welton & Gemmell, Ltd., to the order of the Boston Deep Sea Fish-Richardson, Ltd., for Ellerman's Wil- Sea and Bear Island fishing, she is son Line, Ltd., Hull, has been launched. She is 297 ft. in length over stalled for processing livers, and the all, 42 ft. in breadth, and 25 ft. 3 in. vessel will have storage tanks for liver carrying capacity of 2070 tons d.w. machinery, to be supplied by Charles on a draught of 17 ft. Strengthened D. Holmes & Co., Ltd., Hull, will confor navigation in ice, she has a raked sist of reciprocating steam engines, stem, cruiser stern and streamline giving the vessel a speed of 12 knots in rudder. There are three cargo holds loaded condition. Steam will be supand 'tween decks with four cargo plied by an oil-fired boiler.

LLOYD'S LIST Wednesday, August 28, 1946 Page 13

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Continued on page 14, columns 5 and 6

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by the builders, will consist of a set of triple-expansion engines, working in conjunction with a low-pressure exhaust turbine on the Bauer-Wach

The tank steamer Empire Herald. built by Sir James Laing & Sons, Ltd. Sunderland, for the Ministry of War in length b.p., 64 ft, in breadth and 35 ft. 6 in. in depth to upper deck, and carries about 11,600 tons d.w. on draught of 28 ft. 6 in. She has been completed as a R.F.A. unit fitted with oiling-at-sea equipment to Admiralty specification. Her propelling machinery consists of a set of doublereduction geared turbines developing 6800 s.h.p. at 116 r.p.m. in service (speed 15 knots), and supplied with steam by two water-tube boilers; the machinery was installed by the North Eastern Marine Engineering Company (1938), Ltd., Wallsend-on-

#### "Godetia"

#### "British Rose"

#### The steam trawler St. Matthew, built

ing & Ice Company, Ltd., Fleetwood has been launched. Intended for White The propelling

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Trinidad for W India
Presto, Aug 26
Hopepeak, Aug 27 for Hull Sydney Star Bnos Aires
for Royal Albert Dk
Navitas (Da), Aug 27
Baron Murray, Aug 27
Jucaro for Greenwich
Proves Dock for Abadan for Abadan
Ancylus, Aug 27
Adolf Bratt, Aug 27 for W India Dk
Empire Halladale
Glasgow for Tilbury
Dock for US
Lista for New York
Jonathan Grout
Fernbank
for Gulf of Mexico Gaston Micard Nantes Thornbury, Aug 27
Kemi for Surrey Com
Dock HTUOMMOUTH Fort Aklavik, Aug 26 for Surrey Com Dock Durenda, Aug 27 Swansea GRAVESEND BRISTOL Gloucester City, Aug 26 Norfolk Frey Empire Garland, Aug 27 Marietta (ex Empire Daring) Pollux, Aug 27 Trondheim Finland Abadan Lieutenant Lancelot Fort Aklavik, Aug 27 SOUTHEND Pd Down Avonmouth Vibeke Christensen Virgo, Aug 26 Saphir Frey Samderry Sharpness Maria (aux), Aug 27 Marietta (ex Empire Ottinge, Aug 26 Workington Daring), Aug 27 Lieutenant, Lancelot Pollux San Velino FORT TALBOT AR Glanowen, Aug 27 Santander PORT TALBOT SD ISLE OF GRAIN Veocardia, Aug 24 ROCHESTER Garesfield, Aug 26 Santander Ulla, Aug 26 Oulu Kirsten Mærsk, Aug 27 Little Bay Is Frederik London River Fisher, Aug 26 Nantes Skotaas, Aug 26 Abadan THE DOWNS Marathon, Aug 26 Robert E. Clarkson Borelli, Aug 27 Bideford Gloucester City Bristol Belgian Loyalty Robert Neighbors Frederick W. Taylor British Cavalier, Aug 25

British Cavalier, Aug 25

Abadan
Redstone New York
Uskside, Aug 27
St John (NB)
Kerlogue Casablanca Coryda Creighton Victory Gerard Dou, Aug 2 Prins Willem Van MUMBLES Anch off Redstart, Aug 27 MUMBLES THE DOWNS Garesfield, Aug 26 Uskside, Aug 27 Kerlogue, Aug 27 Kirsten Mærsk, Aug 26 Marathon Marathon
Belgian Loyalty
Robert Neighbors
Robert E. Clarkson
Frontenac Victory MILFORD HAVEN SD Rousay (ex Admiralty trlr), Aug24 Westervik Frederick W. Taylor

Spanker Coryda Creighton Victory Thomas J. Lyons, Aug 27 Empire Wiley, Aug 26 Melilla EASTHAM SD Neaera, Aug 27 Curacao Sambrake Persian Gulf Gerard Dou Prins Willem Van ELLESMERE PT SD Oranje Manchester Port James Cole, Aug 26 Manchester Comliebank Curacao DOVER Carbonia, Aug 26 AR Halfdan, Aug 27
Sonderborg SALT END DOVER Pd W Skogaland, Aug 26 John A. Donald Tankland DUNGENESS

Zuijderburgh, Aug 27 for Rotterdam Alexander White DUNGENESS Tomsk, Aug 27 Empire Garland BEACHY Agen, Aug 26 Curacao for Star for Boulogne Samindoro, Aug 27 Tully Crosby, Aug 27

LITTLEHAMPTON AR
Isolda (aux), Aug 26
Gruyon
Gruyon Tully Crosby, Aug 27

Tully Cross.,

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Isolda (aux), Aug 26
Gruvon
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Confid, Aug 26
SPITHEAD Pd Out
Actinia, Aug 26
Robert Dundas, Aug 27
ST CATH'S PT Pd E
Beta, Aug 26
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Table Bay
Moveria Buenos Aires
Adrastus New York
Arduity, Aug 27
Djuhavik (Iceland)

SDESTON SD

Beta, Aug 20
Herny Gibbins
ST 6ATHS PT Pd Works 127\*s, Aug 27
Works 127\*s, Aug 27
Works 127\*s, Aug 27
Works 127\*s, Aug 27
Fort Williams (N)
Benny Gibbins
SouthAmpton A Result (Inc)
So

DUBLIN SD Westlaan, Aug 26 Liverpoo **DUNNET HEAD Pd E** Hindsholm, Aug 26 ('ape Kildare, Aug 27 DUNNET HEAD Pd W Lowlander

Pd E

Pd W Halvard Bratt KIRKWALL Cape Kildare, Aug 27 Galveston Adolf Bratt, Aug 27
Thomas Pollock, Aug 27
for US
Cape Kildare, Aug 27
Gothenburg
NARVIK METHIL AR Lysaker Samuel V. Shreve, Aug 26 Karlsborg BODO SD GRANGEMOUTH AR Lysaker IV. Aug 19
Narvik and Antwerp Ek, Aug 26 Christiansand THAMSHAVN Cardiff Empire Condorrat Lubeck SD Empire Wensum Haukipudas

Immo Ragnar Hamina Marieborg, Aug 27 Leith Redstart, Aug 27
Swansea
SHARPNESS
SD
SHARPNESS
SD
Marieborg, Aug
GRANGEMOUTH
SD
Nato, Aug 26 Rotterdam
AR Vibeke Christensen,
Aug 26 Cardiff

Warna, Aug 25

Valdemarsvik AR Baron Geddes, Aug 27 Casablanca Prenton, Aug 25 AR AR

AR Saluta, Aug 25 (put back) AR gton SD Marieborg Grangemouth Doggersbank, Aug 20 Roskilde Rigel, Aug 27 Baltimore ST ABB'S HEAD Pd S Tritonia, Aug 27 AR BLYTH . Eben Haezer, Aug 26 AR TYNE Angeja, Aug 26 Cornwall SD

Berengaria (stern hulk)
Rosyth (in tow of
tugs Mustang, Hendon and George V.)
Cairnavon Montreal FLAMBORO HD Pd N Oleum,, Aug 26 Aug 27 Nottingham FLAMBORO HD Pd S

SD

Energi, Aug 26 Nato, Aug 27 Hildur SPURN HEAD Pd In William Howland, Aug 27 William Brewster

AR SPURN HEAD Pd Out Empire Halberd Elisabeth Mærsk Empire Gavel Aug 27 Willesden

(ex Empire Canning) William Howland

ARCTIC SEA TO USHANT

MESANE SD Sisto, Aug 19 Kirkenes Noord Stad ARCHANGEL KIRKENES AR Polarlys, Aug 23 AR SD Malmland, Aug 24 Antwerp SD AR Lysaker IV., Aug 26 SD Dixie, Aug 20 Hamburg BERGEN SD Antwerp

Nordstjernen, Aug 23 Kirkene STAVANGER Deneb, Aug 21 Oslo CHRISTIANSUND AR Granfoss, Aug 16 Trondheim PORSGRUNN Jan (No), Aug 22 C Kong Bjorn, Aug 23 PORSGRUNN SD Gothenburg

AR Rapid II., Aug 21 Stockton Fantoft, Aug 23 Emden AR TONSBERG SD Borgholm, Aug 27 Rouen Rapid II., Aug 22
TYNE SD Goreign via Brevik OSLO Loke, Aug Facto, Aug 20 VINGA PD Scandinavia, Aug 23 GOTHENBURG CLD Spes, Aug 23 Josef Bergendorff SD R. J. Reynolds, Aug 24 US AR Aralizz, Aug 24 HOGANAS SD Atabert, Aug 19 Gdansk Rosemarie, Aug 21 Lulea Tom, Aug 22 Gdansk

HELSINGBORG Nike, Aug 23 Got HELSINGBORG Gothenbry SD STROMFORS Nike, Aug 24 Stockholm Fryken, Aug 21 Antwerp HELSINGBORG Pd S KOTKA Ingeborg (Sw), Aug 23
Hamburg
Banana Gdynia KOTKA Gdynia Gothenburg Ora, Aug 24 Glasgow Westbris Helsingborg Westbris Helsingborg Waija, Aug 22 Jutlandia Copenhagen

| RAPTON AR SARTON AR Starkenborgh, Aug 26 Ansterdam MANCHESTER SD Copenhagen MANCHESTER AR Starkenborgh, Aug 26 Ansterdam MANCHESTER AR Starkenborgh, Aug 27 ANSTERMAN AR STARKENBORGH, AUG 28 Norden (Sw), Aug 25 Rotterdam

Tim Wm. Th. Malling Elsinore Samuel McIntyre Hoganas Phoenix (Du) ELSINORE Fogdo, Aug 25 Nesttun Trolleholm, Aug 26 Pd S Batavier II. ELSINORE Batavier II. Harwich Prinses Beatrix Harwich Trompenburgh London Bloemfontein Brisbane Anna Odland Oslo Banana, Aug 25 Selma Thorden Walborg Gdansk/Gdynia Belgieu Hamburg Glitt Gdansk/Gdynia Nils Sture Bjorko John W. Arey, Aug 26 North Down Nils Sture Gdansk/Gdynia Brynhild Kong Try Kemi Irlam

Noord Stad
Rita, Aug 24
Rita, Aug 24
Rita, Aug 24
Ritan
Alfa, Aug 24
Rodansk/Gdynia
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Karin, Aug 23
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KEMI
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Kong Trygve
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AR
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Armuelles
Gaasterland, Aug 26
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Mies Norrkoping
Tyro
Sandenburgh
Setubal
Leerdam
Philadelphia
ROTTERDAM
SWanses
ARALBORG
AR
Scandia Aug 22
Gdansk
Grangemouth
Leerdam
Philadelphia
ROTTERDAM
SPriess Reatrix Aug 23
Priess Reatrix Aug 23 Lelie, Aug 18 Pitea Scandia, Aug Liberty, Aug 20 Kalix Jesse G. Cotting, Aug 20 Hull Japos Rotterdam

Rotterdam

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Kalix
Deneb, Aug 24
Copenhagen
C Elm S. (aux) Bandnolli Alabama Randers Nerma Lau, Aug 24 Respectively Respectively

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LULEA

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WANTYLUOTO AR Sevre, Aug 24
Vesta (Du), Aug 17
Bremerhaven Gefle CUXHAVEN LEITH SD Saluta, Aug 24 Finn (Sw), Aug 23 Aarhus SKIEN Aug 20 Porsgrunn Marieborg Grangemouth SKIEN SD Doggersbank, Aug 20 Prinsessan (aux), Aug 19 Renjamin H. Bristow. Prinsessan (aux), Aug 19 Benjamin H, Bristow,
Raumo
Meta Preston Johanna (Sw) Hebe (Fi), Aug 20
Copenhagen

Arild (aux), Aug 20
Vestria
Viking (Du)
Deo Gloria
Copenhagen
Clio (Fi) Copenhagen Vega (Fi), Aug 22 Hull London and Antwerp Lewant ABO AR

Twee Gebroeders (241), Dollie Akershus, Aug 17 Drabant Corona, Aug 23 Baltic HELSINKI Sambalt Norden (Sw), Aug 24 AR Iris (Fi), Aug 18 Argentina, Aug 20 Maj (aux), Aug 21 Fowey Empire Rapier, Aug 25 Karskar Kotka Fennia Innamo, Aug 22 Wanda HELSINKI Marina, Aug 20 Pernaja Froste, Aug 21 Kotka Alden, Aug 23 Lulea Innamo, Aug 23 Rouen and London WALKOM SD Cyril, Aug 21 Lyn Kondrun Archangel

Cyril, Aug 21 Ghen Ivan Kondrup, Aug 22 AR Carelia (Fi), Aug 22 Hull Knoll, Aug 22 Hamburg Skum Ghent Gudrun, Aug 23 Ghent Allan SD Thyra Lapponia, Aug 18 Ceres (Fi), Aug 22 Empire Galena, Aug 22 Froste Dux, Aug 23 Velsen Dordrecht SD Empire Gaffer, Aug 22 Hull and London GDYNIA AR Clara

Dux, Aug
Bras
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Copenhagen
Tomsk
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Copenhagen
Tomsk
Rotterdam
Aug
27

Frank E. Spencer
Charleston Rita Garcia, Aug 25 Rotterdam Amsterdam Omlandia, Aug 24 Vianna VIANNA Santirso, Aug 21 Gijon Stordo LEIXOES
3 25 Hjortholm, Aug 27 Antwern LEIXOES Rolf, Aug 19 OPORTO Rolf, Aug 19 Antwerp Fendris, Aug 26 London Oslo OPORTO

Savannah London London

Antwerp Nakskov

Walenburgh, Aug 25

Zeehond

Bonn
I. S. Groen (tug) Brest
(with tow) Swansea SETUBAL Graslin, Aug 22 Bayonne Anfitrite 1° (aux), Aug 24 Sfax Norrkoping
Lisbon
h Setubal
Philadelphia
Philadelphia Ciudad de Sevilla Odense Ciudad de Melilla, Aug 21 Canary Is

Ketwerp SD Fort la Prairie, Aug 22 Hartlepool Oslo AR Waldo Hill London KRISTINESTAD AR William Howland, prev Aug 15 for Barry Oslo Baron Dunmore, Aug 22 Baron Dunmore, Aug 22 Cimbria Sevre, Aug 24 Lubeck HAMBURG AR Oslo Baron Dunmore, Aug 25 Cimbria Sevre, Aug 24 Eubeck HAMBURG AR Oslo Baron Dunmore, Aug 25 Cimbria Emden Sevre, Aug 24 Eubeck AR Odense and Aarhus Noordam New York Aelbert Cuyp, Aug 25 Vancouver California Express Gothenburg Thomas Pollock N York Aragon Canary Cimbria Spramex, Aug 26 Spramex, Aug 26 Spramex, Aug 26 Cabo La Plata, Aug 19 Canary Ca Aug 16 Alicante Aragon Canary Is Ciudad de Sevilla, Aug 19 Canary Is Boucau Cabo La Plata, Aug 20 DELFT PD Zijpe, Aug 24 London Ciudad de Melilla, AR Polkerris, Aug 21 Seville SLIKKERVEER AR Joost, Aug 25 Delfzyl

ZWYNDRECHT AR == Palma, Aug 24
Fredrikstad
DORDRECHT AR **MEDITERRANEAN** Henriette (Du), Aug 23 Otterbacken Union Sodertelje Including Black Sea Aldo, Aug 24 Strangnas Fiducia Norwich Elisabeth, Aug 25 and Sea of Azov Norwich GIBRALTAR Kalmar Henry Adams, Aug 26 Leandros, Aug 26 Hull Stephen W. Kearny Mr. Linthorst Homan, Abdul Kader Faimoud Antioch Victory, Aug 27 (put back) Battle Creek Victory Robert Mærsk Sfax Lengtow (tug) Leixoes for Malmo

Lillie Matthiessen for Malmo Hull Hoop op Zegen for Denmark Columba for Stavanger AR Antioch Victory Aug 26 New York British Pride Curacao
Good Gulf Port Arthur
Marcel Hull
Angel Rehant Oslo
Brahant Oslo
Fronte (933) Antwerp Middlesbro Egypte (933)
Mary Pickersgill. Ghent Skodsborg, Aug 27
Hargshamn

Narvik Commodore Trunnion SD Zuidland, Aug 26 Boom Stephen W. Kearny,
Aug 27 Hampton
Roads Gudrun, Aug 23 Gnent Allan Antwerp Empire Severn Cuxhaven Dux, Aug 23 Velsen Tankland, Aug 26 Arnha GIBRALTAR Pd E

British Patience Greeley Victory Copenhagen Rotterdam Ciudad de Sevilla for Barcelona

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Castillo Coca Avile Cabo Silleiro, Aug 22 Bilba	Samaritan, Aug 26 Jaff O Five Forks Kowei	Hopeville, Aug 24 Monrovia
Sac 4° Alicant Villa de Madrid, Aug 2 Las Palma	Cadio Marseille Black Warrior	Kalamai, Aug 20 for Matadi
Egholm Copenhage Kathariotisa Delfzy Mar Caribe, Aug 26	n Illiria Abada	n Barcarolle (vt), Aug 24
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Aug 23 Bizerte Cantakeit, Aug 24 Sete MARSEILLES SE	Bangkok Bombay SUEZ	Vinte e Oito de Maio
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ireefs Alexandria Thessaloniki orinthia Marseilles	AFRICA West, South & East	Karagola, Aug 26 Lourenco Marques Nirvana Port Said
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En Eo TH To

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Merrimack, Aug 24

Manila

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Chicaca
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Samleven

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CURAÇÃO

CURAÇÃO

CIRAÇÃO

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Friador Knot Cristobal
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Foador Knot Cristobal
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Ruahine, Aug 26

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CURAÇÃO

CURAÇÃO

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Helder

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Paramaribo
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**COASTWISE & HOME TRADE MOVEMENTS** 

C 1

BOSTON

Newport News Fernmoor (No), Aug 24 Beirut Sewalls Point Walter D. Noyes Norfolk Kingsport Victory London Bull Run Gulfport
Houston Georgia, Aug 25 Coldstream Coldridge Colnbrook Jellico Seam Norma Monroe New York Monroe Nictory N York Monroe New Cornell Victory N Andrew A. Hum-Croham phreys Texas port
O. K. Service V., Aug 26
Yarmouth (NS)
LYNN, Mass Hetton

Edward Peirce, Aug 23 Boston SOMERSET, Mass SD Berkshire Aug 23 Newport News AR Epiros Aug 27 Roue BERMUDA S SD Alcoa Pioneer, Aug 27 St Kitts YARMOUTH, NS SD Flamenco, Aug 25 HALIFAX HALIFAX Colborne, Aug 23 Montreal

Aug 24 Newport Fort Poplar Newport Esso Nashville, Aug 25 Torrance Hills, Aug 26 Corpus Christi HALIFAX Ocean Rider, Aug 24 Glasgow Oakmount Park

Kingston (Ja)

Colborne, Aug 26 St Kitts Empire Beaconsfield, prev Aug 13 for UK SYDNEY, NS AR Ogmore Castle Aug 25 Campbellton (NB DINGWALL, NS AR

Aug 20 DINGWALL, NS SD Dingwall, Aug 18 New York Highland Park, Aug 21 Savannah NELSON, NB

Roslin Castle, Aug 24
Roslin Castle, Aug 24
Belfast

Roslin Castle, Aug 24
Roslin Castle, Aug 25
Roslin Castle, Aug 26
Roslin Castle, Aug 27
Roslin Castle, Aug 27
Roslin Castle, Aug 27
Roslin Castle, Aug 28
Roslin Castle, Aug 28
Roslin Castle, Aug 28
Roslin Castle, Aug 29
Roslin Castle, Aug 29
Roslin Castle, Aug 20
Roslin Castle Aug 25 Liverpool Scheldt, Aug 27 Empire Macandrew Manchester Progress

Wabana Empire MacKendrick Liverpool Liverpool Corrales Mont Sandra A Mont Gaspe Kelowna Park Lansdowne Park Antwerp Aug 25 QUEBEC 26 Veracru

SD Fort Island, Ang 24 Naples Corpus Christi Empire Macrae Liverpool Nuculana, Aug 26
London
Cane Junction

Gaines Mills Houston
Argobec (ex Chippewa
Park)

Wabane Houston

Empire Haldane, Aug 25 Lisbon MONTREAL Aruba Aug 25 Liverpool
Norfolk Empire Kangaroo
ctory Port Alfred
Twickenham Pt Affred

Aruba Aug 25 Liverpool
Dovedale H.
Empire Raymond Twickenham Pt Arthur Roslin Castle Belfast Rangoon

Manchester na Santos Mont Sandra Antwerp Victory Mont Gaspe Bremerhaven Marchport Lisbon MONTREAL SD

Colwyn, Aug 27 Blyth Collingbourne Blyth DUNGENESS Blyth Immingham Colnbrook
Birker Force
Warkworth Quaysider, Aug 26 Elizabeth Lysaght

Mons Scottish Co-operator Leith Durhambrook NEWHAVEN Ronan, Aug 25 Sylvia Beale, Aug 25 Balmoral Queen Swanse Windsor Queen Elysian Coast Middlesbrough Somerset Coast Kirkcaldy Ocean Coast Liverpool Camberwell Sunderland Ocean Coast Glasgow Blyth SPITHEAD

Rathlin LONDON CLD Cedartree, Aug 26 Holburn Head, Aug 27 Montrose SPITHEAD Edith May (s.v.) Ipswich Rathlin and Glasgow
Belfast John L. Manson Birker Force Plymouth Foch Rose, Aug 26 Medway Coast Plymouth Falmouth & Liverpool Dartfleet Cedarwood Elysian Coast Sunderlnd and Middlesbrough

Scottish Co-operator Leith Energie Aug 26 POOLE GRAVESEND AR Elysian Coast, Aug 25-26 Middlesbro Middlesbro
Hetton, Aug 26 Methil
Sylvian Coast, Aug 26
Middlesbro for Free
Trade Wf Miervaldis, Aug 26

Ferranti Sir Alexander Kennedy Empire Frieda (tug) Cardiff (with tow)
Empire Fabian Falmth
Kylemount Falmouth AR Hetton, Aug 26 Methil

> Rotterdam Antwerp Suffolkbrook King's Lynn GRAVESEND Camroux II., Aug 26 Queenworth

Devonbrook Belhaven, Aug 27 Leith Mr. Therm Monkwood Blyth Camberwell Empire Marksman Firedog Wandle

Audacity, prev Aug 28 Ghent AR SOUTHEND Empire Raymond (tug)

Queenworth, Aug 26 Collingbourne Mr. Therm, Aug 27 Monkwood

C 2

Medway Coast, Aug 27 EAST BAY, Dungeness BEACHY HEAD Pd E Signality (pres), Aug 27 BEACHY HEAD Pd W The Duke, Aug 27 Tyndall for Barry AR AR Seaham SD Eleanor Brooke, Aug 24 Seaham

Ardrossan Pd Out Pass of Melfort, Aug 26 ST CATH'S PT Pd E Empire Estuary, Aug 26 ST CATH'S PT Pd W

Corfeii Fulham VI. Empire John (tug) (with tow) Pd E Energie, Aug 24 Soton Carrick Coast Soton Yewtree, Aug 25 Tyne Rudderman Southamptn POOLE SD Empire Greta (tug), Aug 24 Pembroke (with tow)

Bedale H. Middlesbro Java (tug), Aug 25 London (with tow) Empire Raymond (tug), Barry Aug 26 London (with tow) Energie Southampton Ben Johnson, Aug 27 Southampton Fred Everard TOR BAY

Empire Estuary, Aug 26 PRAWLE POINT Pd E Gladonia, Aug 26 Bannthorn, Aug 27 Yewmount PRAWLE POINT Pd W Attendant, Aug 26 Huligate Biarritz, Aug 27 SD PLYMOUTH

Avanville, Aug 24 Barry Ino, Aug 26 Rotterdam Watergate Liverpool PLYMOUTH SD Avanville, Aug 26 Barry PAR AR Clova, Aug 24
Fremington PAR

Corferry, Aug 27 LIZARD Ino, Aug 26 The Marchioness, Aug 27 Brockley Combe Kyle Fisher Perdita PENZANCE

Welsh Rose, Aug 24 Gladonia, Aug 25 Teignmouth Yewmount, Aug 26 Liverpool NEWLYN Petertown, Aug 24 Gladonia, Aug 26 Thames AR

Empire Townsman, Aug 24 Barry Lady Dorothy, Aug 25 London

C 3 Bessie Ellen (aux) Avonmouth Avonmth Opepe, Aug 26 Newport Coleraine Newport Empire Faraway, Aug 27 Garston PENARTH Steersman, Aug 26 Swansea PENARTH SD Steersman, Aug 26 Avonmouth BARRY SD Inishtrahull, Aug 26 Belfast Stanville Hayle Rlyth Goole Colonel Crompton London London London Empire Runner, Aug 27 Hayle Empire Farringay BARRY IS Pd Up Britannia, Aug 26 for Cardiff

rossan
Pd In
Empire Silas (tug)
for Avonmouth
BARRY IS Pd Down Kyle Queen, Aug 26 Carrickmore Porta vogie Empire Reaper Morion Jade Empire Congerstone Colonel Crompton Fulham II. Inishtrahull

Stanville Empire Runner, Aug 27 PORT TALBOT AR PORT TALBOT SD Superman (tug), Aug 25 Plymouth Carnalea, Aug 26 Waterford Dorsetbrook Shoreham

Mountstewart
J. B. Kee
Meath, Aug 27
Seaville
Thelma
and
Ulsten

Glen Helen, Aug 26 Cardiff Roads GLASSON DOCK SD SWANSEA

SWANSEA
Spirality, Aug 24
Drogheda
Drogheda
River Loyne, Aug 26
Liverpool Camborne (aux), Aug 25 Garston BARROW St. Conan Cork Eleth Newcastle Briarfield Penmaenmawr Empire Skipper, Aug 26 Gloucester E. Hayward Newlyn Kerlogue SWANSEA Drogheda

SWANSEA SD Ben Robinson, Aug 25 Newport Empire Nickleby Hayle Steersman, Aug 26 Cardiff Findhorn, Aug 26 PAR SD Belfast Holyhead, Aug 24 Larne Glenageary Lizzonia, Aug 24 Leith St. Conan Avonmouth Haldon (aux) Avonmth Belfast Slieve Leag

Haldon (aux) Avonmth
MUMBLES Anch Off
Roma, Aug 27
Ben Robinson
MIMBLES Pd Out MUMBLES Pa Findhorn, Aug 26 Haldon (aux) SD LLANELLY AR Glen Spray, Aug 26 Cardiff Roads SD

Antwerp Ca Glen Spray, Aug 26 Cardiff Roads PORTMADOC Sybil Mary, Aug 26 Liverpool PORTMADOC Florence Cooke, Aug Belfast Slieve Donard, Aug 25 Slieve More Dublin

Slieve League, Aug 26 Dublin

Oak
Comber, Aug 27
Ballylongford
Peel St. Enoch, Aug 26 Liverpool J. B. Kee Birkenhead May, Ang 26

Warrenpoint Larne Annaghmore, Aug 27
Belfast
Goldfinder, Aug 27
Fremington
Foliast

Jasmine Empire Albany Mostyn Gorsefield Dublin Craigolive Belfast LIVERPOOL AR Penstone, Aug 26 Penmaenmawr Monaleen Manchester St. Enoch Garston Mountstewart M'chester J. B. Kee Garston Longford, Aug 27 Ulster Monarch Belfast Shetland Coast Meath Belfast Oak Peveril, Aug Ben Vooar Aug 27 Douglas Aspen Elmfield, Aug 27 Penmaenmawr Douglas Beryl Dublin Kyle Rhea Rockville Workington LIVERPOOL SD Ulster Prince, Aug 26 Belfast Louth Dublin Amy Summerfield Barrow

Colwith Force, Aug 26
Ellesmere Port Indorita Point of Air Carrowdore Ulster Coast Dublin Garston Alchymist Glasgow Elidir Crossbill Kyle Bute Londonderry Londonderry Silloth Belfast Silloth Cranley Kylecroft Antwerp The Monarch Hamburg Stormont, Aug 27 Belfast

Belfast Ulster Castle Londonderry Whitehaven and Bremen

tow)
(tug),
(with
Gareloch (with tow)
Glen Helen, Aug 25
mpton
Goole
SD
Superman (tug), Aug 24
Port Talbot
Gareloch (with tow)
Glen Helen, Aug 25
Cardiff Roads
SD
Superman (tug), Aug 24
Port Talbot
Helen Aug 26
GLASSON DOCK SD Dundalk, Aug 26 Dublin
West Winch (tug).
Aug 27 Barrow
PRESTON
SD
Glencree

London
Holyhead
Fluor, Aug 26 Blyth
Slieve Donard Holyhead
Wallroy, Aug 27 Blyth
Glencree AR Calyx, Aug 24
Point of Ayr DUBLIN

Amy Summerfield, Aug 26 Liverpool BARROW SD Eilian Hill, Aug 26 Cardiff DOUGLAS

Peveril, Aug 24
Liverpool Ben Ellan Garston Ben Ain, Aug 25 Garston DOUGLAS Empire Lad, Ang 24 Bowling AR

WHITEHAVEN Manxsona, Aug 25 Kilkeel Holyheau, Aug 26

lamnam. re MARYPORT AR Belfast Whin Grosvenor, Aug ; Killyleagh

Finvor Belfast Glenageary, Aug Dublir MARYPORT Glencullen, Aug 25

Balmarino Londondery

C 5 GLASGOW AR St. Modan, Aug 26 The Earl Londor Cerium Marie Rothesay Lairdsburn, Aug 27 GLASGOW SD Lairdshill Aug 26 Dublin Dunara Castle
W Highlands Donaghmore Eveleen Olive Clewbay Belfas Felspar Llanelly Lairdsloch Londonderry Royal Scotsman Belfas Larne Arran, Aug 27 Rothesay LARNE Comber, Aug 25 Ayı LARNE CLD Comber, Aug 26 Garston LARNE SD Moyallon, Aug 25 Ayr DUBLIN AR Dundalk, Aug 24
Birkenhead

Lairdshill, Aug 24 Glasgov Glenageary Beryl Glenbride St. Kenneth Third Prestor Ashfield Blacksod Yewbranch Blvtl Ophir, Aug 25 Lairdsglen De Wadden (aux)
Weston Point

Admiral Bloke

Ardgryfe

BLYTH

TYNE

Norrix

Mecbrae

Novian Coast

Islandmagee, Aug 25

SUNDERLAND

Sedulity, Aug 24

Ossian Gleu Mary, Aug 25 Peterhead

Durhambrook Shoreham

Elizabeth Lysaght Shorehan

Islandmagee Stromness London

Archallan Lossiemouth Crombie Blyth

SEAHAM

Eleanor Brooke

Annuity, Aug Warren Court

Ardgantock

Parkwood

SEAHAM

Colchester

Tyne

Coldharbour

Springerag, Aug

Dynamo Gran Lady Kathleen

Empire Fastness

Admiral Blake Antwerr Glencullon Maryport Slieve League Holyhead Mayflower, Aug 25 Garston Wallace Rose Prestor Southern Coast, Aug 26

Ardrossan Holyhead Liverpool Glasgow SD Glencree Point of Ay AR Talacre airdshill Morion Mungo Ardrossa

Garston Guinness, Aug Mancheste Carrowdore Liverpoo Antelope (aux) Third Marypor Ierne, Aug 26 Kingstown Slieve League Holyhead Prestor Silloth

Marypor Mayflower Shetland Coast Ellesmere Port Lairdsglen Admiral Blake Liverpool ongford

Glenbride Glencullen Mar Beryl Live St. Kenneth, Aug Maryport Ardrossal Happy Harry (aux),

WATERFORD AR Rockabill, Aug 25 Liverpoo WATERFORD Carnalea, Aug 24
Port Talbot

C 6 **C7** METHIL Baronscourt, Aug 20 Discovery II., Aug Belfast KIRKCALDY GRIMSBY Antrim Coast, Aug Springhaven, Aug 24 Belfast KIRKCALDY Autrim Coast, Aug 26 Empire Conderton, Aug 24 Portsmouth Aug 24 Quaysider, Aug 25 Plymouth GRANGEMOUTH Dynamo, Aug 26 AR Polurrian, Aug 26 Hamburg Empire Seablue, Aug Middlesbroug Antrim Coast, Aug 27 BOSTON, Lines Kirkcaldy LEITH St. Magnus, Aug 26 Mary Birch, Aug 27 WISBECH Kirkwall Amelia ST ABB'S HEAD Pd N Empire Fairway, Aug 27 Islandmagee, Aug 27 for Stromness KING'S LYNN Shelbrit 2, Aug 27 Salt End ST ABB'S HEAD Pd 8 Marena, Aug 26 Nordic Queen, Plymouth London Will Everard (s.v.) Colnbrook Crombie Sunderle Mount Battock, Aug Sunderland OT YARMOUTE RDS

LLOYD'S LIST

Wed., Aug. 28, 1946

17

Eminence, Aug 27 Angularity Firedog Aug 26 Colchester Saint Eunan Dublin Cantick Head Dublin R. W. Wheeldon (tug) Saxon Queen Camroux II. Queenborough Plymouth n London 27 Hayle GT YARMOUTH RDS Leith AR Fulham III., Aug 26 London London 27 Trentwood

Pulborough, Aug 27 London Sunderland Empire Fanal, Aug 2 Stockton Grangemouth hleen London SD George Smeed (s.v.), Aug 25 London Fulham IV., Aug 26 London Southampton Ben Read, Aug 25 Dorrien Rose SunderInd Harlaw Aberdeen Athera Cornish Rose IPSWICH Shelbrit 5, Aug 25 Isle of Grain AR Empire Sloane Antwerp Norfolkbrook Shoreham Parknasilla Shoreham Middlesbrough Vienna, Aug 24 Westwood, Aug 27 Lndn

Grangetoft Ridham Dk Frisian Coast, Aug 27 Guernsey Earner (tug) Rosyth Prague Hook of Holland (towing destroyer)
Levenwood London
SUNDERLAND AR

(towing destroyer)
Empire Wansbeck
Hook of Holland
Essex Ferry Zeebrugge Essex I Antwerp, Au Hook of Hk o'

Empire Wansbeck BRIGHTLINGSEA AR

Race Fisher, Aug 23 Liverpool Polurian, Aug 23 Leith Empire Nine (tug), Aug 24 Chatham CUXHAVEN PD

Supremity, Aug 23 Slemish, Aug 24 SD



BRITISH COAST LINES SEAWAYS

COAST LINES ORGANISATION ast Lines Ltd.

Afast Steamship Co., Ltd.

Absrdoes Steam Navigation Co., Ltd.

Burns & Laird Lines Ltd.

Tyne-Tees Steam Shipping Co., Ltd.

Absrdoes Steam Navigation Co., Ltd.

Absrdoes Steam Navigation Co., Ltd. Regular Services between all important Ports

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

Date Vessel Flag Gross Builders Shipyard Owners

Jly 26 Cibao (Yard No. 4449) ...Am 4300 Rethlehem-Sparrows Point Shipyard, Inc. Sparrows Point United Fruit S.S. Corporation. Inc. Magnerous Point Shipyard, United Fruit S.S. Corporation. Aug 1 Ottawa Mayhayen ... Br (Yard No. 37)

Aug 7 Fyn (Yard No. 37)

Fyn (Yard No. 575) ... Da (ferry) (motor) (2 sc.)

Green Holly ... Br (Yard No. 770) Epiter tank, See Sir J. Laing & Sops, Ltd. Sanderland British Tanker Co. Ltd.

LLOYD'S LIST Wed., Aug. 28, 1946 18

## SHIPS IN PORT

LONDON IN THE RIVER-Cont. from p. 14

HIRONDELLE, G. S. N. Co.
HOLLAND, Canning Town Wf., International
Shipbrokers
JACINTH, off Deadman's Bys., Deptford
JOHN EVELYN, Admiralty Bys., Deptford
JOHN HOPKINSON, Upper Tr., Deptford,
Stephenson Clarke, Ltd.
KENTWOOD, Lower Tr., Charlton, Charrington, Gardner, Locket & Co.
KOOLGA, Free Trade Wf., Ratcliff, Aberdeen
S. N. Co. S. N. Co. KYLEMOUNT, St. Clement's Reach LAUCHLAN MACKAY, for Tilbury Dk. MACBRAE. Williams' Jty., Dagenham, J MACBRAE, Williams' Jty., Dagenham, J.
Hudson & Co.
MALACCA, Cargo Jty., Tilbury, Escombe,
McGrath & Co.
McGrath & Co.
MIERVALDIS, R. S. Dalgliesh
MISTLEY, Thames Wf., Silvertown, M. F.
Horlock & Co.
NAVITAS
NORTHWOOD, St. Clement's Reach
OISE, St. George's Wf., Deptford, W. H.
Muller & Co.
OLEV. Upper Tr., W. Woolwich
OLNA FIRTH. Anglo Continental Wf., Silvertown, S. Cater & Co.
ORANJEPOLDER, Custom House Qy,
Cornelder's Shipping Co.

RIVELIN, Lovel's Wf., E. Greenwich, G. A.
Tom & Co.
ROBRIX, Ward's Wf., Silvertown
ROGATE
ROWANFIELD, Instone's Wf., Canning
Town, T. Cook
SAMWIS, Tunnel Portland Cement Works, W.
Thurrock, T. & J. Harrison
SCHELDT
SEINE, Aberdeen Wf., Limehouse
SIR ALEXANDER KENNEDY, Battersea
Power Station, Stephenson Clarke, Ltd.
SIR JOSEPH SWAN, Power Station, Deptford, Stephenson Clarke, Ltd.
SPRINGWAVE, Mitre Shipping Co.
STEFANOS S. TEFANOS S. UFFOLKBROOK

SUFFULRATION
SUN V. (tug)
SWIFT, G. S. N. Co.
SYLVIAN COAST, Free Trade Wf., Ratcliff
Tyne-Tees Steam Shipping Co.
THORNBURY, for Surrey Commercial Dk.
THORSHOLM, Caspian Jty., Purfleet, J. I. Jacobs & Co.
TREWIDDEN, White's Wf., Swanscombe.
Hain S.S. Co.
VIC 79, H.M. Victualling Yd., Deptford
VICTORIA PEAK, Swanscombe Tr., Lambert BFOS.
WALLSEND. J. Constantine & Sons
WINDSOR QUEEN, Mast Pond Wf., Woolwich, British Channel Traders

MERSEY-IN PORT Docks are at Liverpool unless otherwise shown tindicates Birkenhead

Tons Gross Dk. or W1. Broket Pessel Tons Gross Dk. or Wf. Broket ALCHYMIST, 382, Victoria, Caleb, Brett & ALLERTON, 1195, W. Float, Bahr, Behrend & Co.
ANGLIAN COAST, 594, Nelson, Coast Lines
ANTENOR, 11,174, W. Float,† A. Holt & Co.
APPLIANCE, 200, Carriers', W. A. Savage
ASCANIA, 14,013, Gladstone, Cunard White
Star ASPEN, 333. Liverpool ATHELPRINCE, 8782, Bromborough, Athel ATLANTIC COAST, 890, Nelson, Coast Lines AUTHORITY, 616, Bromborough, Caleb Brett & Son AVON COAST, 1037, Bramley-Moore, Coast AYRSHIRE COAST, 773, Trafalgar, Coast AYRSHIRE COASI, 773, Trainight, CoasiBANKVILLE, 339, Wallasey, J. S. Monks
BEAVERFORD, 9881, Gladstone 1, Canadian
Pacific S.S.
EEN ELLAN, 270, Alexandra 1, H. Tyrer & Co.
BERYLL, 568, Alexandra 3, W. Robertson & Co.
BONIFACE, 4928, Langton, Booth S.S. Co.
BOTHNIA, 2407, Sandon, Cunard S.S. Co.
C.W.S. PROGRESS, 967, Toxteth, Co-operative
Wholesale Society Wholesale Society CAPE SABLE, 4398, King's 2, Booth S.S. Co CARROWDORE, 656, Salthouse, A. Guinness Son & Co. CHANT 58, 401, Clarence Dry 2, Houlder Bros CHUMLEIGH, 5349, Huskisson 3, W. H. Stott CITY OF CAPE TOWN, 8046, Huskisson 3 Hall Line CITY OF CHESTER, 8520, Liverpool, Hall Line
CITY OF HONGKONG, 9606, Herculaneum
Dry 4, Hall Line
CITY OF KEELUNG, 5186, W. Float, + Hall Line
CITY OF MALINES, 373, Grayson, Rollo &
Clovers Dry 5,† E. W. Turner & Son
CLARA MONKS. 577, Clarence Dry 2, J. S. Monks
CLAN MACDONALD, 9653, Gladstone 2.
Cayzer, Irvine & Co.
CLAN MACNAIR. 6096. Vittoria,† Cayzer, Irvine & Co. COLON, 1803, Langton Branch, MacAndrews COLORADO SPRINGS VICTORY, 7607, COLORADO SPRINGS VICTORY, 7607.

Langton, Atlantic Transport Co.
CORINTHIAN, 3151, Alexandra 1, Ellerman
& Papayanni Lines
CORINTHIC, 15,000, Cammell Laird & Co.'s
Wet Bsn. + Gracie Beazley & Co.
CRANLEY. 354, Brocklebank, J. W. Fisher &
Co.
CROSSBILL, 309. Canada 3, H. Tyrer &
Co.
DALLAS CITY, 7079, Queen's Dry, A. Coker
& Co.
DESTRIAN (ex Destro), 3527. Queen's 2.

\*\*THE PARK, 7140, Huskisson 1, Cunard White Star, 7140, Huskisson 1, Cunard White Star SPRAYVILLE, 466. Canada 1, J. S. Monks
STANDARD, 10,177, Cammell Laird & Co.'s
CTANLEY FORCE, 586, Canada 2, W. S.
Kennaugh & Co.
STOCK FORCE, 983, Carriers', W. S.
CO.
DESTRIAN (ex Destro), 3527. Queen's 2.

\*\*TUART PRINCE, 1948, Hornby, Furness, Withy & Co.
TACTITIAN, 5996, Herculaneum, T. & J.
Harrison

TARATUM, 10, Huskisson 1, Cunard White Star SPRAYVILLE, 466. Canada 1, J. S. Monks
STANDARD, 10,177, Cammell Laird & Co.'s
CTANLEY FORCE, 986, Canada 2, W. S.
Kennaugh & Co.
STANLEY FORCE, 986, Canada 2, W. S.
Kennaugh & Co.
STANLEY FORCE, 986, Canada 2, W. S.
Kennaugh & Co.
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Kennaugh & Co.
STANLEY FORCE, 986, Canada 2, W. S.
Kennaugh & Co.
STANLEY FORCE, 986, Canada 2, W. S. DESTRIAN (ex Destro), 3527. Queen's 2. Cunard White Star DIPLODON, 8149, Bromborough, H. Tyrer & DUNKERY BEACON, 7069, E. Float,†
R. & D. Jones
DURHAM COAST, 785, Nelson, Coast Lines
EL GALLO, 8032, Bidston,† C. T. Bowring EL MIRLO, 8092, Bidston, † C. T. Bowring & ELIDIR, 398, Canada 3, J. S. Jones ELMFIELD, 450, Carriers, W. A. Savage & EMPIRE BATTLEAXE, 7177, Alexandra 1, Cunard White Star
EMPIRE CONQUEST, 1391, Bramley-Moore, W. H. Stott & Co.
EMPIRE GANGES, 3744, Grayson, Rollo & Clover's Dry 4,† Brinings (Shipping).
EMPIRE GARETH, 2873, E. Float,† Moss Hutchison Line
EMPIRE GRENADIER, 9811, Cammell Laird
& Co.'s Wet Bsn.†
EMPIRE HELMSDALE, 2978, W. Float,† Yeoward Line EMPIRE LASS, 813, Morpeth, † Brinings (Shipping)
EMPIRE MAYMORN, 390, Salthouse, W. A. EMPIRE MAYTOWN, 394, Salthouse, W. A. Savage
EMPIRE NILE, 6318, Grayson, Rollo & WICKI
Clover's Dry 6,† J. Dowie & Co.
EMPIRE PLOVER, 6109, Langton, T. & J
Harrison Harrison EMPIRE RAZORBILL, 5118, Langton Dry 1, EMPIRE RUBY, 667, Cammell Laird & Co.'s Dry 2,† Elder Dempster Lines



EMPIRE SALISBURY, 8199, Grayson, Rotto & Clovers' Dry 1.† E. H. Mundy & Co.
EMPIRE SHEARWATER, 4970, Huskisson 3, Pollexfen & Co.
EMPIRE SYBIL (tug), 276, Birkenhead, Mersey Docks & Harbour Board EMPIRE TEGAMBIA (ex Herman Andersen), 1171, Victoria, Houlder Bros. & Co.
EMPIRE VENTURE, 12,639, W. Float,† H. Tyrer & Co. Tyrer & Co.
EMPIRE WAVENEY, 12,844, Canada Tongne,
Cunard White Star
EMPIRE WILY, 6343, for Manchester
EMPIRE WISDOM, 9208, Bidston,† Blue Star EMPIRE YUKON, 7651, Huskisson 1, Cunard White Star EMPRESS OF AUSTRALIA, 21,883, Gladstone 1, Canadian Pacific S.S. ENID VICTORY, 7607, Canada 2, C. G. Dunn & Co. FLORISTAN, 7368, Cammell Laird & Co.'s Dry 4,† Hall Line FORT BEDFORD, 7127, W. Float,† H. Tyrer FORT RICHELIEU, 7150, W. Float, † R. & D. Jones FULANI, 6372, Brunswick, Elder Dempster GLAMORGAN COAST, 879, Prince's, Coast Lines GLENAPP, 9503, Vittoria,† A. Holt & Co. GLENFINLAS, 7479, Gladstone 1, A. Holt & Co. GLOUCESTER, 8532, Sandon, J. Dowie & Co. GOVERNOR, 5671, Brunswick, T. & J. Harrison
HENRY GEORGE, 7176, W. Float, † American S.S. Lines Agency
HERBERT W. WALKER, 365, Harrington,
MAJORCA, 1132, Shed 3, Dk. 7, H. Watson

& Co.
KANA, 4914, Sandon, J. Dowie & Co.
KANA, 2783, Hornby, Furness. Withy & Co.
KENTISH COAST, 459, Prince's, Coast Lines
KENTUCKY, 2136, Carriers', N. Johansen & Dahl KHETI, 2734, Langton Branch, Moss Hutchi-son Line son Line KILFENORA, 979. Queen's, Limerick S.S. Co. KROSNO, 1896, Gladstone 2, United States Lines KYLE BUTE, 795, Bramley-Moore, Monroe

Bros.
KYLE RHEA, 323, Liverpool
KYLECROFT, 863, Carriers', Monroe Bros.
LANCASHIRE COAST, 1104, Clarence Dry 1, Coast Lines LARCHFIELD, 493, Albert, W. A. Savage LETITIA, 13,595, Alfred, † Donaldson Bros. & Black LLANBERIS, 5068, E. Float, † E. Nicholson LLANBERIS, 5068, E. Float, † E. Nicholson LONGFORD, 1913. Prince's. British & Irish Steam Packet Co. LORD GLENTORAN, 5667, Alexandra 1, G. & Forwood Heyn LOSADA. 6520, Canada 1, P. S. N. Co. MACGREGOR LAIRD, 4992, Herculaneum Dry 3, Elder Dempster Lines MAIDAN, 8150, Vittoria Wf., † T. & J. Brockle-bank

bank MALAKAND, 8030, Vittoria Wf., † T. & J. MALAYAN PRINCE, 8593, Canada 1, Furness, MARCITA, 150, Morpeth Branch, † T. Phelan MARSHALL, 7311, Alexandra 3, R. P. Houston MARTAND, 7967, E. Float, t Cunard White MERCHANT PRINCE, 5229, Langton Dry 1, Sivewright, Bacon & Co. MONALEEN, 633, Brocklebank, Limerick S.S.

PENSTONE, 267, Carriers', W. A. Savage
PEVERIL, 798, Queen's T. Orford & Son
PILCOMAYO, 5567, Canada, P. S. N. Co.
PINZON, 1365, Harrington, MacAndrews & Co.
PROCRIS, 1060, Grayson, Rollo & Clover's
Dry 3.† J. Dowie & Co.
RADWINTER, 5613, Herculaneum Dry 2, S. C.
Chambers & Co.
RIBBLEBANK, 351, W. Float,† S. W. Coe &
Co.

RIEBEECK CASTLE, 8322, Canada 2, Elder Dempster
RIVERVILLE. 335, Alexandra 1, J. S. Monks
ROBERT L. HOLT, 4000, Cammell Laird &
Co.'s Wet,† J. Holt & Co.
ROCKVILLE. 481, Canada 1, J. S. Monks
ROMAN QUEEN, 1047, Prince's, Coast Lines
ST. ENOCH, 326, Alexandra, Ross, Ryan & Co.
SALAVERRY, 6612, Canada 1, P. S. N. Co.
SAMFORTH, 7219, Alexandra, A. Holt & Co.
SAMINDORO, 7210, Liverpool, Marshall, Little
& Co.

SAMOTHRACE, 7219, Hornby, P. S. N. Co. SAN DARIO, 1137, Dingle Oil Jty., Shell Mex. SANTANDER, 6612, Canada Dry, P. S. N. Co. SIBLEY PARK, 7140, Huskisson 1, Cunard

Harrison
TAOS VICTORY, 7607, E. Float,† Atlantic
Transport Co.
TARKWA, 7416, Queen's 2, Elder Dempster
Lines

Lines
THAMES COAST, 1045, Trafalgar, Coast Lines
THE MONARCH, 1059, Brocklebank, E. W.
Turner & Son
TID 28 (tug), 50, Lpool, T. Phelan & Co.
FID 115, 50, Morpeth, † T. Phelan & Co.
FID 116 (tug), 50, Wallasey, † T. Phelan & Co.
FID 13 (tug), 50, Wallasey, † T. Phelan & Co.
FID 13 (tug), 50, Wallasey, † T. Phelan & Co.
FID 13 (tug), 50, Wallasey, † T. Phelan & Co.
FID 13 (tug), 50, Unicology, † T. Phelan & Co.
FID 143 (tug), 50, Lpool, T. Phelan & Co. FID 149 (tug), 50, Wallasey, † T. Phelan & Co FID 150 (tug), 60, Morpeth, † E. H. Mundy &

CO.
TID 163 (tug), 50, Lpool, T. Phelan & Co.
TREVAYLOR, 5257, W. Float Dry 1,† H.
Tyrer & Co.
TREVINCE, 7292, E. Float,† J. Dowie & Co. TWEED (ex Empire Lady), 7046, Alexandra 3, P. S. N. Co.
UISTER MONARCH. 3791, Prince's Landing Stage. Belfast S.S. Co.
URMSTON GRANGE (ex Empire Pibroch), 7046, Langton, Houlder Bros. & Co.
VANELLUS, 1886. Brocklebank. J. T. Fletcher & Co.

& Co.
WALTER BAU 13,751, Brocklebank Dry
H. Tyrer & Co.
WESTLAAN. 199. Alexandra 1, W. Thomas
WICKLOW, 1032, Trafalgar, British & Irish ROSE, 873, Bramley-Moore, R. Hughes

## GARSTON—IN PORT

Vessel Tons Gross Dock Brokers BARRGROVE, 5222, Stalbridge, E. W. Turner

BEN VOOAR, 274, Old, J. Darlington BLAIRESK, 3300, Stalbridge, E. W. Turner & COMBER. 513. Stalbridge, J. Darlington EMPIRE LUNE, 2837, Stalbridge, R. & D.

Jones
EMPIRE RODING, 2957, Stalbridge, T.
Phelan & Co.
HANSY (aux.), 391. Old, J. Darlington
HEROS, 1594, North, T. Phelan & Co.
HOVE, 435, Stalbridge, J. Crean & Co. M. E. JOHNSON, 81, Old, Ross, Ryan & Co. OAK, 318, Old, J. Darlington SIR JOHN R. WRIGHT (tug), 95, North TETELA, 5389, Stalbridge, Elders & Fyffes THORN, 256, Old, J. Darlington ULSTER COAST, 774, Stalbridge, Coase Lines MANCHESTER IN PORT

Vessel Tons Gross Dk. or Wf. Broker ANGLIA, 1300, Shed 4, Dk. 8, Bahr, Behrend BALTARA, 3294, Ellesmere Port, H. Watson BRITA THORDEN, 1899, Shed 1B, Riverside Qy., A. E. Bowen CARROWDORE, 656, Shed 1, Riverside Qy., A. Guinness, Son & Co. COLWITH FORCE, 805, Ellesmere Port, Coast DAXHOUND, 1127, Ince Oil Berth. H. Watson DOROTHY ROSE, 1600, alongside pontoon, A. E. Bowen EGRET, 1390, Shed 2, Dk. 6, Wilson, Son & Co. EMPIRE GALLANT, 1925, Shed 3, Dk. 9, Ellerman's Wilson Line EMPIRE SCOUT, 2229, Ellesmere Port, B. E. Moors & Co. EMPIRE WILY, 6343, Eastham, J. W. Jones FEDOR LITKE, 2216, Dry Dk. 2, H. Watson can S.S. Lines Agency
ORANIEPOLDER. Custom House Qy.
Cornelder's Shipping Co.
ORTOLAN. Ratcliff Cross Tr., G. S. N. Co.
OSSIAN, Royal Albert Dk. Hoists, M. A. R.
Milton & Co.
PATRIA. Fennings Wf., Bermondsey, British
& Foreign Maritime Agencies
PETERTOWN
RECORDER, Bevan's Wf., Northfleet, T. & J.
Harrison
REGORDER, Bevan's Wf., Northfleet, T. & J.
Harrison
REGORDER, Bevan's Wf., Silvertown
REGORDER, Ward's Wf., Silvertown
ROGATE
ROWANFIELD, Instone's Wf., Canning
Town, T. Cook
SAMWIS, Tunnel Portland Cement Works, W.
Thurrock, T. & J. Harrison
SIR ALEXANDER (KENNEDY, Battersea
Power Station, Stephenson Clarks, Lid.
SIR JOSEPH SWAN, Person Station, Dept
ford, Stephenson Clarks, Lid.
SIR JOSEPH SWAN, Person Station, Stephenson Clarks, Lid.
SIR JOSEPH SWAN, Person Station, Stephenson Clarks, Lid.
SIR JOSEPH SWAN, Person Station, Dept
ford, Stephenson Clarks, Lid.
SIR JOSEPH SWAN, Person Science, Science, Co.
RIVELIA, 1002, Front Science, Science,

## CLYDE IN PORT

Docks are at Glusgow unless otherwise stated Vessel Tons Gross Dk. or Wf. Broker AMERICAN IMPORTER, 8294, Yorkhill, W. B. Wooley APPLELEAF, 5892, Faslane Dk., Port Glasgow ASHBURTON, 5000, Great Harbour, Greenock, W. Denny & Bros. ASTERIA, 649, Queen's, W. Robertson

BAHARISTAN, 5479. Govan, F. C. Strick & Co. BARON RUTHVEN, 3178, River Kelvin, H. Hogarth & Sons BEAVERCOVE 9800, Fairfield Shipbuilding & Engineering Co.'s Bsn., Govan, Canadian Pacific S.S.

BEAVERLAKE, 10,000, Kingston Bsn., Port Glasgow, Canadian Pacific S.S. BRITISH COMMODORE, 6865, Prince's, Gow, Harrison & Co.

BRITISH DRAGOON, 9909, Stobcross Qy.,
Gow, Harrison & Co.

BRITISH FORTITUDE, 8482, Stobcross Qy.,
Gow, Harrison & Co. BRITISH FUSILIER, 6943, Queen's, Gow, Harrison & Co.

BRITISH KNIGHT, 7300, Harland & Wolff's
Bsn., Govan, Gow, Harrison & Co.

BRITISH RENOWN, 6997, Elderslie Wf..
Scotstoun West, Gow, Harrison & Co.
BRORA, 1028, Windmillcroft, W. Sloan & Co.

O.
MONKSVILLE, 499, Canada 1, J. S. Monks
MURON, 465, for Partington
NEW NORTHLAND, 3445, Langton Dry 2,
Elder Dempster Lines
NOVELIST, 6133 Toxteth, T. & J. Harrison
OCEAN WANDEBER, 7178, Hornby, Donaldson Bros. & Black
OVINGDEAN GRANGE, 7046, Brocklebank
Branch, Houlder Bros. & Co.
PACIFIC EXPRESS, 3401, Langton, Lamport
& Holt Line
PAPAROA, 10,005, Gladstone Dry, A. Holt &
Co.

Admiralty
CERIUM, 532, Kingston, I.C.I.
CHESHIRE, 10,552, Queen's, Roxburgh, Colin
Scott & Co.
CILICIA, 11,136, Fairfield Bsn., Govan, Anchor
Line
CLAN ALLAN, 7043, Elderslie Wf., Scotstoun
W., Cayzer, Irvine & Co.
CLAN BUCHANAN (ex Engadine), 9050,
James Watt Dk., Greenock, Greenock Dockyard Co.
CLAN MACAULAY, 10,492, Merklands Qy.,
Partick Cayzer, Irvine & Co.

yard Co. CLAN MACAULAY, 10,492, Merklands Qy., Partick, Cayzer, Irvine & Co. CLUMBERHALL, 5198, River Kelvin, T. L.

Lines
CORTEEN, 530, Rothesay Dk., Clydebank
J. B. Couper
DELILIAN, 6423, Prince's, Donaldson Bros. DEVONSHIRE, 11,275, King George V., Shieldhall, Roxburgh, Colin Scott & Co., DONAGHADEE, 662, Rothesay Dk., Clyde-bank, J. B. Couper DORELIAN, 6431, Govan Dry Dk. 2, Donaldson

DORBLIAN, 6431, Govan Dry Dk. 2, Donaldson Line
DUCHESS OF RICHMOND, 20,022, Kairfield Ban., Govan, Canadian Pacific S.S.

EMPIRE CALDER, 2649, Prince's, Moss Hutchison Line
EMPIRE CAMEL. 2719, Prince's, City Line
EMPIRE CANUTE, 7750, Great Harbour,
Greenock, Greenock Dockyard Co.
EMPIRE CHIEF, 8040, Queen's, Chr.
Salvesen & Co.
EMPIRE DOLPHIN, 5037, Gareloch, Gow.
Harrison & Co. (laid up)
EMPIRE GAZELLE, 4828, James Watt Dk.,
Greenock, D. McDougall & Co.
EMPIRE GAZELLE, 4828, James Watt Dk.,
Greenock, D. McDougall & Co.

bank, J. B. Couper EMPIRE LANKESTER, 7067, Elderslie Wf., Scotstoun West, G. Nishet & Co. EMPIRE SNIPE, 2497, Lancefield Qy., W. H. Muller & Co. PIRE SPINEL, 650, Queen's, W. Robertson PIRE TEDRITA, 891, River Kelvin, Gow. Harrison & Co.

EMPIRE TREASURE, 7022, River Kelvin,
Donaldson Bros. & Black

EMPIRE VICTORY, 21,846, King George V.,
Shieldhall, Chr. Salvesen & Co.

EMPIRE WINDRUSH (ex Monte Rosa).
13,882, Shieldhall Wf., T. Law & Co.
ESSO SARANAC, 8031, Dunglass, A. Weir &
Co.

EUCADIA, 7008, Yorkhill Wf., Anchor Line FASTNET, 1415, Springfield Qy., Clyde Shipping Co. FORT COULONGE, 7137, Glasgow FORT COVINGTON, 7130, King George V.

J. & J. Denholm FORT LIARD, 7131, Queen's, Chr. Salvesen &

FRIEDA PETERS, 465
GLAS ISLAND, 198, Queen's, J. B. Couper
GLENGARRY (ex Empire Humber), 9138,
Elderslie Dry, Scotstoun West, Roxburgh.
Colin Scott & Co.
GOOLE, 350, Greenock
HUASCARAN, 6951, By. 7, Tail of Bank, J. &
J. Denholm (laid up)
(ROQUOIS, 8937, Queen's, A. Weir & Co. JALARAJAN, 5000, Kingston Bsn., Port Glasgow, Lithgows, Ltd. JOLLY DAYS, 352, Custom House Qv., I.C.I. JOSIAH P. CRESSEY, 1791, Queen's, J. Hay

Jalakajan, 5000, Kingston Bsn., Port Glasgow, Lithgows, Ltd.
JOLLY DAYS, 352, Custom House Qy., I.C.I.
JOSIAH P. CRESSEY, 1791, Queen's, J. Hay & Son
KAMERUN, 5042, Prince's Pier, Greenock, J. & J. Denholm
KARRI, 354, Rothesay Dk., Clydebank, T. Dougail
KINGSBOROUGH, 3368, James Watt Dk., Greenock, P. D. Hendry & Co.
LAIRDSBURN, 1870, Broomielaw, Burns & Laird Lines
LAIRDSCREST, 789, Broomielaw, Burns & Laird Lines
LAIRDSCALES, Pl. Broomielaw, Burns & Laird Lines
LAIRDSGLEN, 1276, Broomielaw, Burns & Laird Lines
LAIRDSGLEN, 1276, Broomielaw, Burns & Laird Lines
LAIRDSGROVE, 1227, Broomielaw, Burns & Laird Lines
LANDAURA, 7250, Diesel Wf., Whiteinch, G. S. N. Co.
LANDEMER (tug), 533, James Watt Dk., Greenock, J. & J. Denholm
LIANNSTEPHAN CASTLE, 11,343, Fairfield Shipbuilding Bsn., Govan, Union-Castle Mail S.S. Co.
LOCHGORM, 635, Clyde Place, D. MacBrayne & Co.
LOCHGORM, 635, Clyde Place, D. MacBrayne & Co.
LUXOR, 6554, Prince's Pier, Greenock, J. & J.

LUXOR, 6554, Prince's Pier, Greenock, J. & J. Son Line
Denholm
MATHAR. 7653. Yorkhill. P. Henderson & Co.
MARIE. 105. Kingston Dk., Clyde Cargo
Steamers
MARINE RAVEN, 11,805. King George V.,
City Line
MARJATA (new), Diesel Wf. Whiteinch
MARJATA (new), Dies

MONARCH (cable), 8100, Clyde Anchorage MOYALLON, 282, Rothesay Dk., Clydebank, J B. Couper MOUNT REVELSTOKE PARK, 7144, Meadowside Qy., Partick, M. Langlands

& Sons
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 Bsn., Clydebank, T. Law & Co.
OCEAN VOLGA, 7174, Prince's, Lambert Bros.
OCEAN VOLUNTEER. 1777, Govan Dry.
J. & J. Denholm
ORCHY, 1090, Windmillcroft Qy., W. Sloan &
Co. PETROBUS. 475

PETROBUS, 475
PIBROCH, 96, Kingston Dk.
PORT WELLINGTON, 8700, J. Brown & Co.'s
BSn., Clydebank, P. Henderson & Co.
PROME, 7043, Elderslie Wf., Scotstoun West,
P. Henderson & Co.
QUARTZITE, 160, Greenock, Ross & Marshall
RAUTAS, 9125, Rothesay Dk., Clydebank, J.
Jenkins & Son
RIVERCREST, 6998, James Watt Dk.,
Greenock J. & J. Denholm
ST. KENTIGERN, 249, Rothesay Dk., Clydebank, J. Gardiner & Co.
SAMCONSTANT, 7210, Prince's, J. Bruce &
Co. FORT VERMILLION, 7133, Dry Dk. 1, H. Watson & Co.
GUINNESS, 1151, Shed 1, Riverside Qy., A.
Guinness, Son & Co.
HALFDAN, 1448, Runcorn Salt Works, A.
Knudsen & Co.
HARVEST KING, 119, Weston Point, G.
Millington
KONGSDAL, 9959, Eastham, Vogt & Maguire
LOCH ETIVE, 237, Runcorn, Greenaway
LOCH ETIVE, 237, Runcorn, Greenaway
LOCH STRUK, 2400, Victoria Harbour,

#### SUNDERLAND—IN PORT

Vessel Tons Gross Dk. or Wf. Broker ALEXIA, 8016. Greenwell's Dry Dk., France Fenwick Tyne & Wear Co. AMPULLA (trawler), 248. Shipbuilding Cor-poration Qy., Shipbuilding Corporation. Ltd. Ltd.
ARMILLA, 3011, Manor Qy., France Fenwick
Tyne & Wear Co.
BETTY HINDLEY, 1711, Lambton Staiths. J.
Westoll, Ltd.
BRAYWOOD (ex Empire Vauxhall), 2025,
Wearmouth Staiths, France, Fenwick Tyne
& Wear Co. & Wear Co.
BRITISH HOLLY (new), Laing's Qy., Sir
James Laing & Sons, Ltd.
BRITISH MARSHAL, 8500, Doxford's Qy.. W. Doxford & Sons BRITISH ROSE, 6160, Manor Qy., J. L. Thompson & Sons BRITTANY, 4800, South, W. Pickersgill & Taylor & Son EMPIRE CONSTANCY, 535, South, T. Rose

DORRIEN ROSE, 1039, Lambion Statists, 7
Taylor & Son
EMPIRE CONSTANCY, 535, South, T. Rose & Co.
EMPIRE SALLY (tug), 261, Crown's Slipway, J. F. Marshall & Son
FAIRWATER, 4108, Clark's Qy., S. Marshall & Son
FAIRWATER, 4108, Clark's Qy., S. Marshall & Son
HENDRIK, 2550, Pickersgill's Qy., W. Pickersgill & Sons
HERDSMAN, 6800, Palmers Hill Qy., W. Doxford & Sons
HIGHLAND QUEEN. 1043, Rack Bys., J. Westoll, Ltd.
JETBLACK, 1560, South, J. Westoll, Ltd.
JETBLACK, 1560, Austin's Qy., S. P. Austin & Son
Shipbuilding Corporation Qy., Shipbuilding Corporation, Ltd.
PORTSLADE, 927, Astin's Dk., J. Westoll, Ltd.
RIO DIAMANTE, 5300, Short's Qy., Short Strong, Short Str G. S. N. Co.

CAPE ORTEGAL, 5100, Mavisbank Qy., Lyle
Shipping Co.
CEDAROL, Old Kilpatrick Oil Wf., The
Admiralty
CERIUM, 532, Kingston, I.C.I.
CHESHIRE, 10,552, Oueen's Porton.

CLUMBERHALL, 5198, River Kelvin, T. L. Bros., Ltd.

Duff & Co.

CLYDE COAST, 511, Lancefield Qy., Coast SINCERITY, 634, Rack Bys., Common Bros.

ARDGRYFE, 979, Alexandra, Atkinson & Prickett
AROSA, 5043, Alexandra, Atkinson & Prickett

ASKO, 2122, Victoria, F. Bengtsson & Co. ATLANTIC, 221, Alexandra, T. E. Kettlewell NFF PARK, 7133, King George, Bacon & Co. BENGUELA, 534, Victoria, R. Rix & Son BENVANNOCH, 6427, Alexandra, Porter &

BERKELSTROOM, 399, Humber, Ellerman's BRENDONIA, 489, Victoria, Craggs & Jenkin BROUGHTY, 504, Humber, Dundee, Perth & London Shipping Co.

London Shipping Co.

BUG, 505, Victoria, Craggs & Jenkin

CALUMET, 7268, Alexandra, McGregor, Gow
& Holland

CASTOR, 1225, Alexandra, Atkinson & Prickett CLAN MACILWRAITH, 4839, Alexandra, W. Brown, Atkinson & Co.
COVALT, 2450, King George, W. France, Fenwick & Co.
EILEEN M. 323, Alexandra, Oughtred & Harrison, Harrison EMERALD QUEEN, 481, Humber, Free Trade Wharf Co. EMPIRE BANK, 402, Victoria, Oughtred & Harrison

EMPIRE BEATRICE, 7046, King George.
Lambert Bros.

EMPIRE CONCESSION, 1966, Victoria, Ellerman's Wilson Line

EMPIRE CONSENT, 1942, Alexandra, Ellerman's Wilson Line

EMPIRE FARRIER, 411, Victoria, Craggs & Jenkin Jenkin EMPIRE FATHOM, 411, Victoria, Craggs & Jenkin EMPIRE GAFFER, 1942, Alexandra, J. Good

HARROGATE, 1113, Victoria, Ellerman's Wilson Line
HEBE, 957, Albert, Ellerman's Wilson Line
HELEN BIRCH, 159, Victoria, B. W. Steamship, Tug & Lighter Co.
KINGFISHER, 493, Humber, G. S. N. Co.
KINGFISHER, 10.172, Saltend Jty., Brown.

MOLLOU, 158, Victoria, B. W. Steamship Tng & Lighter Co. MOORMYRTLE, 350 (net), Alexandra, Oraggs & Jenkin
MYLLYKOSKI, 2869, King George, Newton,
Tottle & Wilson
NEKRASOV, 1912, Alexandra, Cutting & Co.
NICOLAOU MARIA, 5525, King George, W.
Brown, Atkinson & Co.
NIEUWAAI, 390, Albert, T. E. Kettlewell &
Son NORTHGATE, 429, Victoria, Craggs & Jenkin, NURTURETON, 6272, King George, W. Brown, Atkinson & Co. OMEGA, 3788, Alexandra, Lambert Bros. PORTHMORNA, 596, Alexandra, T. E. Kettle-

well & Son
PRINCE ALBERT PARK, 7133, Alexandra,
McGregor, Gow & Holland
QUENTIN, 500, Albert, T. E. Kettlewell & Son
RED BANK, 10.172, Salt End Oil Jetties. W.
Brown, Atkinson & Co.
RIVER TRENT, 246, Victoria, R. H. Hunt
SAGA, 919, Albert, Ellerman's Wilson Line
SIGNALITY, 487, Humber, Oughtred &
Harrison Harrison SKELWITH FORCE, 592, Alexandra, T. E. Kettlewell & Son SPERO, 1589, Albert, Ellerman's Wilson Line TASSO, 1648, King George, Ellerman's Wilson

Line TIMANDRA, 948, Victoria, G. S. N. Co. TITANIA, 750, Victoria, G. S. N. Co.

#### SOUTHAMPTON-IN PORT

Vessel Tons Gross Dk. or Wf. Broker ABERDONIAN, 1648, Berth 16, Inner ALCANTARA, 22,209, Berth 46, Ocean, Union-Castle Mail S.S. Co. AQUITANIA, 44,786, Berth 44. Ocean, Cunard White Star

ASA LOTHROP, 2490, Berth 22, Empress, Sandell Bros,
ASSISTANCE, 221, Itchen
ATLANTIS, 15,135, Berth 108, Western, Royal
Mail Lines
CEDARTREE, 1557, River

CORUNDUM, 929, Berth 33. Itchen Qys... Southern Railway CRANMERE, 248, Berth 11, Inner DEAL, 698, Berth 2, Outer, Southern Railway DILWARA, 11,080, Berth 41, Test Qy., Escombe, McGrath & Co. EL NIL, 7775, Dry Dk. 7, Royal Mail Lines EMPIRE CRICKETER, 299, Berth 3, Outer

EMPIRE FACTOR, 410, Northam
EMPIRE FLAMINIAN, 2763, Marchwood
McGregor, Gow & Holland
EMPIRE GRETA, Berth 22, Empress
EMPIRE LIFEGUARD, 1333, Berth 19 Inner

EMPIRE MAYROVER, 394, Berth 22, Empress EMPIRE PARKESTON (ex Prince Henry), 6893, Berth 45, Ocean EMPIRE PEACEMAKER, 133, —, Southern Railway
EMPIRE PIKE, 1854, Berth 19, Inner, Wainwright, Bros. & Co..
EMPIRE TIGNESS (ex Georg), 186 (net). River EMPIRE TROOPER, 14,106, Berth 106. Western, Escombe, McGrath & Co. ENERGIE, 501, Hamble, Petroleum Board FOREMOST 101 (hopper barge), 833, Berth 10. Inner FRANCUNION, 737, Dry Dk. 3 FRIARGATE, 945, Itchen

BRITTANY, 4800, South, W. Pickersgill & Sons
BRIXTON, 1645, South, S. P. Austin & Sons
CORMARSH, 2878, South, W. Cory & Son
CORMEAD, 2867, Lambton Staiths, W. Cory
& Sons
DASHWOOD, 2250, Scotia Qy., J. Crown & Sons
DORRIEN ROSE, 1039, Lambton Staiths, J.
Taylor & Son
Taylor & Son KENIA (tug), —, Berth 27, Empress, Over-seas Towage Co. LINCOLN SALVOR, 953, River, Risdon

## BRISTOL IN PORT

(Including Avonmouth & Portishead) Vessel Tons Gross Dk. or Wf. Broker BEAULY, 1030, City, Mark Whitwill & Son CATO, 939, City, Bristol S.N. Co. CATO, 939, City, Brisol S.N. Co.

EMPIRE HARBOUR, 979, City, B. A. Baker
& B. Norman

INGER, 1576, City, Mark Whitwill & Son
NEW YORK CITY, 2710, City, C. Hill & Sons
TORSA, 1543, City, Mark Whitwill & Son

#### AVONMOUTH

BROOKSIDE, 424, Avonmouth, James Hodder
D. L. HARPER, 12,223, Avonmouth, Houlder EMPIRE AYR, 5064, Avonmouth, F. C. Strick & Co.

EMPIRE CONONLEY, 190, Avonmouth, James & Hodder

EMPIRE CONTOUR, 965, Avonmouth, James & Hodder EMPIRE MOLE, 4876, Avonmouth, Elders & EMPIRE WYE, 6446, Avonmouth Mark Whitwill & Son FORT GEORGE, 7129, Avonmouth, James & Hodder GENERTON, 4797, Avonmouth, James & GLENWOOD, 329, Avonmouth, James & Hodder GRAIGLAS, 4312, Avonmouth, C. Hill & Sons PORT SYDNEY, 9129, Avonmouth, James & Hodder SAMESK, 7219, Avonmouth, Bethell, Gwyn & STEERSMAN. 334, Avonmouth, Whitwill. Cole

#### GLOUCESTER—IN PORT (Including Sharpness)

Vessel Tons Gross Dk. or Wf. Broken EMPIRE FARJEON, 410, Gloucester, James & Hodder

#### SHARPNESS LADY WOLMER, 1883, Sharpness, V. W

Rowles & Co. T. P. TILLING, 461, Sharpness, V. W. Rowles

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## LONDON CUSTOM HOUSE

ENTERED IN Rotation Number, Vessel, Flag, Net Tonnage, Master, From, Station,

Agents or Brokers Aug. 24 3381 NEOCARDIA, Br, 4770, Cuthill, Houston, —, W. Hurst.

Aug 26 3378 BIRMINGHAM, Du, 257, Joasten, Rotterdam, Gravesend, Shipping & Coal

Rotterdam, Gravescha, C.C.,
Co.,
3384 FALCON, Br., 433, Wethey, Bremen, Tilbury Dk., Clemt.
3383 GANNET, Br., 619, Langley, Hamburg, Tilbury Dk., Clemt.
3377 PENCHATEAU, Ft., 538, Eon,
Nantes, London Dk., Compagnie Nant-

Aug. 27
3385 AUDACITY, Br, 291, Fry, Ghent,
Thames Haven, F. T. Everard & Sons.
3389 BARON MURRAY, Br, 4777,
Anderson, Jucaro, Royal Albert Dk.,
Hogarth, Sons & Co.
3390 COMEDIAN, Br, 3162, Moore,
Trinidad, West India Dk., T. & J. Harrison,

son, 388 EMPIRE SEABROOK, Br, 293, Metcalfe, Ostend, Butler's Wf., S. Cater

& Co. 387 FORELAND, Br. 523, Hume, Lis-

3387 FORELAND, Br. 523, Hume, Lisbon, London Dk., Currie Line.
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3379 OCEAN COAST, Br. 656, Holman, Dublin, London Dk., Coast Lines.
3386 SUECIA, Sw. 2422, Lindhe, Gothenburg, Millwall Dk., British & Northern Shipping Agency.
3392 SYDNEY STAR, Br, 7004, Horn, Montevideo, Victoria Dk., Blue Star Line.
3380 TERN, Br, 96, Urquhart, Brussels, Ldn. Dk., Brussels Steamship Co.
3382 WEST COASTER, Br, 155, Horsham, Havre, London Dk., G. S. N. Co.

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Bolingbroke, Queenborough, W. Hurst.

Aug. 27
ANTWERP, City of Swansea, Br. 7053, Dashley, Tilbury Dk., Montgomerie & Workman.

ANTWERP, Marsworth, Br. 188, Pearce, Regent's Canal Dk., Grand Union (Shipping).

BRUSSELS, Zeus, Du, 95, Waker, Ldn. Dk., Brussels Steamship Co.
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Aug. 27
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Commercial Dk., International Ship-brokere

CHANNEL QUEEN, Br, 275, Dames, Channel Is., Free Trade WI., British Channel Islands Shipping Co.
(CITY OF SWANSEA, Br, 7053, Dashley, Antwerp, Tilbury Dk., Montgomerie & Worldway

EEMSHORN, Du. 98, Oldenburger, Rotterdam, Tunnel Wf., (', Hoffmann & Co. MARSWORTH, Br. 188, Pearce, Antwerp. Regent's (anal Dk., Grand Union (Chiming))

(Shipping).

OLNA FIRTH, Br, 273, Paterson Rieme, Williams' Wf., S, Cater & Co ORANJEPOLDER. Du, 442, Witte Rotterdam, Custom House Qy., Cornelder's Shipping Co.

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(Continued at pot of preceding col.)

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## MARINE CASUALTIES

ALCOA PENNANT.—Port of Spain, Aug. 26.—Steamer Alcoa Pennant left Trinidad on Aug. 26 for Mobile. (See issue

of July 30.)

AMERICAN PRESS.—Bordeaux, Aug.

26.—Steamer American Press: Propeller freed on Saturday (Aug. 24); no damage. Vessel left Bordeaux on Sunday.—

age. Vessel left Bordeaux Agescietis age, Vessel left Bordeaux of Bordeaux Underwriters' Association per Salvage Association, (See issue of

Aug. 23.)

ANTIOCH VICTORY. — Gibraltar, Aug. 27.—American steamer Antioch Victory, Leghorn for New York, with troops, put back here on Aug. 27 with suspected shaft damage. Couplings were tightened to and vocad proceeded. el proceeded.

up and vessel proceeded.

AVANT GARDE.—London, Aug. 27.—
French trawler Avant Garde, which grounded at the entrance to the port at North Sydney, N.S., on Apr. 25, refloated and arrived at Sydney, N.S., on Apr. 27. (See issue of Apr. 27.)

BEARNAIS.—Paris, Aug. 15.—While leaving Marseilles during strong wind, the small motor tug Bearnais, owned by M. Pomme, of Port de Bouc, sustained damage to machinery and anchored. The crew were brought ashore and the follow-

crew were brought ashore and the following day the vessel was towed back to Marseilles by the tug ('oolie.-" Journal

de la Marine Marchande."

BEAUMONT BELLE (s.v.).—London, W.,
Aug. 27.—Spritsail barge Beaumont
Belle, London for Colchester with wheat, H.M.S. TRIUMPH on Aug. 14 in Sheer

ness narrour.

EAVERTON.—Quebec, Aug. 27.—Motor vessel EMPIRE MACALPINE has been in collision with tug Beaverton off Cape Goose. Tug sank, 17 survivors returning on EMPIRE MACALPINE

ing on EMPIRE MACALPINE

Motor vessel EMPIRE MACALPINE is putting back to Quebec with 17 survivors from Royal Canadian Navy tug Beaverton, which was sunk off Goose Point this morning. EMPIRE MACALPINE has stem damaged.

London, Aug. 27.—

British motor vessel EMPIRE MACALPINE, on voyage from Montreal to United Kingdom with a full cargo of grain, has had to turn back following a collision with a tug, it was learned in Edinburgh to-day. The tug was sunk. Seventeen survivors were picked up by the EMPIRE MACALPINE. The managers of the EMPIRE MACALPINE. The managers of the EMPIRE MACALPINE understand that their vessel was only slightly damaged. lightly damaged

BELNOR.—Seaforth Radio, Aug. 27.— Following received from Norwegian motor vessel Belnor (Liverpool for Trieste) at 9 8 a.m., G.M.T.: Returning to Liverpool with engine trouble.

to Liverpool with engine trouble.

BUCCANEER.—London, Aug. 27.—Fleet
tug Buccaneer, towing a battle practice
target, sank yesterday in position 4 miles
Portland Bill 270 degs. in 17 fathoms,
after being struck by a 4.5-in. practice
projectile fired by the new destroyer
St. James. The shell struck the tug's
engine-room on port side below the
waterline and she sank in 25 minutes.
The destroyer took off all the crew.
Salvage officer has been sent to inspect.
BUENOS AIRES.—Buenos Aires, Aug. 27.

Bullet officer has been sent to inspect. Bullet of States.—Bullet of States, Aug. 27.—The owners of the steamer Bulenos Aires, 1621 tons net, (Bulenos Aires for Durban) report that an SOS message has been received stating that the vessel is aground in position lat. 28 42 S., long. 48 55 W.

is aground in position lat. 28 42 S., long.
48 55 W.
BURGEO. — London, Aug. 27.—British
steamer Burgeo, which was reported to
be disabled with propeller gone seven
miles NE. by N. of Low Point on
Apr. 16, subsequently arrived at
Sydney, N.S. (See issue of Apr. 18.)
BUROY.—Stavanger, Aug. 24.—According
to the diver's report, Norwegian coasting
steamer Buroy has sustained no damage
and the vessel resumed her voyage this
morning. (See issue of Aug. 27.)
CABO MENOR.—Carthagena, Aug. 17.—
Spanish steamer Cabo Menor entered
this port on Aug. 13 with cargo in Nos.
3 and 4 holds on fire. It was found
necessary to pump water into the holds
and the fire was extinguished yesterday.
Affected cargo mainly consists of

and the fire was extinguished yesterday.
Affected cargo mainly consists of bundles of wood shavings, bundles of empty sacks, cases of jewellery and barrels of white earth, destined to North Spanish ports. Damage to vessel is only slight, some deck planks being damaged.

CAP PILAR (s.v.).— Brightlingsea, Aug. 27.—Barquentine Cap Pilar was pumped out and refloated last night. Pump and helpers are remaining until arrangements have been made by owners to secure vessel. (See issue of Aug. 19.)

CAPE DOUGLAS.— London, Aug. 27.—Steamer (ape Douglas left Toulon on Aug. 24. (See issue of Aug. 20.)
CHACAO.— Valdivia, Aug. 26.—When being launched after repairs at Puerto Montt, steamer Chacao capsized in Angelmo Channel in smooth water. Refloating considered easy.

Angelmo Channel in smooth water.

Refloating considered easy.

London, Aug. 27.—The following cable has been received from Santiago, (hile, dated Aug. 26: Steamer Chacao is stranded in six metres of water in the bay at Puerto Montt. Salvage considered difficult, we think owners may wate a bandoument. We are sending a make abandonment. We are sending a representative to the scene of accident. Lloyd's Agents at Valparaiso and Puerto

CHANGTE, — Sydney, Aug. 27.—Fire occurred to-day in No. 3 hold of steamer Changte, berthed in Pool and Steel Dockyard, Balmain, and caused slight damage to woodwork and insulation.

DRONNING ALEXANDRINE, — Reyk-javik, Aug. 26.—Motor vessel Dronning Alexandrine left here on Aug. 24 for Denmark. (See issue of Aug. 23.)

E. W. SINCLAIR.—New York, Aug. 20.— Tank steamer E. W. Sinclair, striking wharf in November and further casualty in May: Two plates renew and one off, No. 7 tank deck bulkhead plating release and fair, internal members straighten and part renew tanks steam clean and test, together with sundry damages. Approximate cost including dry dock charges, \$3500 and \$24,900 respectively.

—Salvage Association's Surveyors.

Steamer Empire Concrete was surveyed here on Aug. 20 in consequence of having lost an anchor and touched the ground off Jaffa on Aug. 7. Bilge and tank soundings revealed no leakage, and diver's examination showed the vessel to have sustained no damage. An vessel to have sustained no damage. An

attempt is to be made to recover the lost starboard anchor and 39 fathoms of cable, for which purpose the vessel is returning to Jaffa.

EMPIRE MACALPINE.—See Beaverton. EMPIRE SUCCESS.— Port Elizabeth,
Aug. 21.—Steamer Empire Success was
surveyed here on Aug. 12 and subsequent dates in consequence of fire in
starboard 'tween deck bunker. After
discharge of coal, floor of bunker at
after end of boiler casing, which had
been heated by fire and showed signs of after end of boiler casing, which had been heated by fire and showed signs of wastage, was temporarily repaired by tack welding a steel plate over damaged area and a guard plate was fitted over tank air pipe to replace wooden guard which had been destroyed by the fire. No transferred damages was sustained, and structural damage was sustained, and after reloading sound coal a certificate of seaworthiness was issued. Approximately 360 tons of coal was certified as damaged and useless. (See issue of

Aug. 21.)

EMPIRE WANSBECK. — London, Aug. 26.—A report dated Aug. 23 states: Motor vessel Empire Wansbeck refloated at about 7 45 a.m., Aug. 23, with assistance of tugs Empire Imp and Empire Race and proceeded under her own power No abstract the august survey has power. No apparent damage, survey has been called. (See issue of Aug. 24.)

ERNEST L. DAWSON.—Havre, Aug. 26.

—Steamer Ernest L. Dawson has damaged stem and stem plating.

Temporary repairs are to be executed here and permanent repairs in United States. Seaworthy certificate will be legically be elegification surveyor. issued by classification surveyor. (See

issue of Aug. 27.) **EXERTION.** — Maassluis, EXERTION. — Maassluis, Aug. 23. —
Tug Exertion left Hook of Holland on
Aug. 23 for Swinemunde, in tow of tug
Elbe. (See issue of Aug. 23.)
FIN (harge).—Wapping, Aug. 27.—Dumb
barge Fin, owners Vokins & Co., Ltd.,
has sunk at New Sun Wharf, Stepney;
heligyed leaked down.

believed leaked down.

FORT FREDERICK.—London, Aug. 27.

—Steamer Fort Frederick, which left
Busreh on Aug. 5 for Bombay, put back
to Abadan on Aug. 10 owing to steering
gear failure. (Note.—Fort Frederick has
since arrived at Bombay on Aug. 18.)

FORT TREMBLANT. — Vizagapatam,
Aug. 26.—Steamer Fort Tremblant left
here yesterday for Calcutta. (See issue
of Aug. 21.)

of Aug. 21.)
HARRY YATES.—London, Aug. According to advices from the Great Lakes Protective Association at Cleveland, Ohio, dated July 29, the American steamer Harry Yates was in casualty on Apr. 17 and 28 and Nov. 20, 1945. The Association's proportion of the claims amounted to \$8772. (See issue of

Holmside, —London, W., Aug. 27.— Steamer Holmside, Rotterdam for Lis-bon with coal, grounded at Lisbon on Aug. 7 but sustained no apparent dam-

steamer John Miller, fully loaded, went aground on June 19 off Honolulu, but was refloated on June 21 and proceeded under her own power to Pearl Harbour, where two patch plates were fitted. Vessel left for Balkan ports, with her U.N.R.R.A. cargo, on July 10. (See issue of July 20.)

issue of July 20.)

KARABAGH. — London, W., Aug. 27.—

Motor tanker Karabagh, Stanlow for Aruba, in ballast, was in collision with motor tanker NACELLA off the southeast corner of Aruba island on July 22 and had after davit of starboard after lifeboat bont. On Aug. 8, while on voyage from Aruba for Hamburg with gasoline, the Karabagh struck a floating object in the North Atlantic.

LCSM 102. — Cromer, Aug. 26. — Craft LCSM 102, privately owned, reported sunk 50 yards off shore at Holme, Norfolk. Crew of four safe.

folk. Crew of four safe.

King's Lynn, Aug. 27.—Craft
LCSM 102, from Great Yarmouth,
reported ashore at Holme Point, near

Brancaster. Crew landed.

Cromer, Aug. 27.—Craft

LCSM 102 cannot be located at low
water to-day and has probably refloated
and gone out with the tide.

LAGUNA.—Para, Aug. 16. — Brazilian steamer Laguna refloated on July 27 after jettisoning part of her 500 tons of after jettisoning part of her 500 tons of inflammable cargo, with the assistance of steamer Oswaldo Cruz and tugs Parreiras Horta and Maria, all belonging to the Servicos de Navegacao da Amazonia e de Administracao do Porto do Para. The Laguna was towed by the Parreiras Horta to this port, which she reached safely at 4 a.m. on July 28 and where she is now in dry dock undergoing repairs to hull. (See issue of Aug. 1.)

Aug. 1.)
LORD COCHRANE.—Cape Town, Aug.
27.—British steamer Lord Cochrane
(Rio Grande and Montevideo for Durban), due here on Aug. 28, reports
having sustained heavy weather

damage; surveyor appointed,
MASBATE, — Hongkong, Aug. 27.—
Steamer Masbate left here yesterday.

issue of Aug. 23.

NACELLA.—See Karabagh.
PACHAUG VICTORY.— London, W.,
Aug. 27. — While in Canada Dock
No. 2, Liverpool, on Aug. 2, steamer
Pachaug Victory had forward davit of
one of her boats slightly twisted. Davit
was repaired and tested.

David See Trust On

PD 135.—See Trust On. PITTSTON VICTORY .- San Francisco Aug. 26.—American steamer Pittston Victory left here on Aug. 24. (See issue

of Aug. 27.)

R. J. REYNOLDS.—Gothenburg, Aug. 26.
—Steamer R. J. Reynolds sailed on Saturday afternoon (Aug. 24) after satisfactory temporary repairs and with 1000 tons of sand ballast.—Salvage Association's Surveyor. (See issue of

Aug. 27.)
REGENT LION. — Dublin, Aug. 26.—
Motor tanker Regent Lion put back to
this port on Aug. 24. (See issue of

and fair, internal members straighten and part renew tanks steam, clean and test, together with sundry damages. Approximate cost, including dry dock charges, \$3500 and \$24,900 respectively.—Salvage Association's Surveyors.

ELM (barge).—London, Aug. 27.—At 3 p.m. to-day bales of cotton waste on the Port of London Authority barge Elm, lying in Northern Lay-bye, Surrey Commercial Dock, were found to be smouldering. The fire was extinguished at 3 10 p.m. with water from the steamer Beloostrov. Two bales of cotton waste were damaged by fire and water. The fire brigade attended.

EMPIRE BASCOBEL.—Plymouth, Aug. 27.—Tug Empire Bascobel put in here damaged by fire and water. The fire brigade attended.

EMPIRE CONCRETE.—Haifa, Aug. 23.—Steamer Empire Concrete was surveyed here on Aug. 20 in consequence of braviry lost an each or and to the consequence of braviry lost an each or consequence of braviry lost an each or consequence of braviry lost an each or consequence of having lost an each or consequence of having lost an each or consequence of having lost an appeal of the seas on the morning of June 15 and struck the propeller of the Robin Tuxford. The lighter was punctured and sank and propeller of the Robin Tuxford was found to have sustained some damage. Two 9 in. hawsers belonging to the Robin Tuxford were broken in the effort to keep the lighter afloat. (See "Lighter Sunk at Porto Aug. 27.—Tank steamer Saluta, which left Leith for South on Aug. 25 as a result of an explosion in her refrigeration plant. Repairs are proceeding and vessel is expected to sail in a few days.

in a few days.

SAMUEL F. B. MORSE.—New York,
Aug. 26.—Steamer Samuel F. B. Morse,
bound Montreal (from Bordeaux), in
ballast has lost propeller. Position ballast, has lost propeller. Position 1558 miles from Halifax, 2253 miles

SAMUEL VERY.—London, W., Aug. 27.
—Steamer Samuel Very, Hartlepool for Kristinestad, in ballast, struck a floating object in the North Sea on July 28, but sustained no visible damage. While at object in the North Sea on July 28, bit sustained no visible damage. While at Nyhamn anchorage on Aug. 6, vessel touched the bottom. After leaving Kristinestad for Sunderland with general cargo, vessel grounded in the Kiel Canal on Aug. 13, and while in the River Elbe Estuary on Aug. 14, she struck a submerged object. Damage to vessel unknown until drydocking. (See issue of Aug. 8.)

of Aug. 8.)

SANTA CRUZ.—New York, Aug. 14. —

American steamer Santa ('ruz arrived at Seattle on Aug. 10 from Squaw Harbour, in tow of tug Sand Key. (See issue of

SINCLAIR H. C .- Savannah, Aug. 26. Incilair H. C.—Savannah, Aug. 26.—
It is understood that low-pressure turbines of American tank steamer Sinclair H. C. (Houston for Chester, Pa.) are believed to be considerably damaged and vessel anchored in the roads. She is now being towed into port by local tugs.

STANWOOD.—San Francisco, Aug. 20.—
Steamer Stanwood struck the United Engineering Company's dock at Oakland on Aug. 15, damaging the dock and the float. Survey was held and diver's examination reveals no damage to the propeller or rudder of the Stanwood.

THOMAS J. LYONS.—London, Aug. 27.

THOMAS J. LYONS .- London, Aug. 27.

-Steamer Thomas J. Lyons arrived at Southampton on Aug. 19 and left again

on Aug. 27. (See issue of Aug. 19.) FIJUCA (aux.).—Rio Grande, Aug. 26.— Master and chief engineer of motor vessel Potaro examined auxiliary barque Tijuca on Saturday (Aug. 24). Vessel is apparently in good condition but plundered of practically all removable gear. She is lying in 3 ft. of water amidships and 5 ft. 6 in, fore and aft, Consideration of the state of salvage would be dispressed to the salvage sider cost of salvage would be disproportionate to value of vessel as now stands.—Lloyd's Agents per Salvage Association. (See issue of Aug. 10.)

TRIUMPH (warship).—See Beaumont

Belle (s.v.).

TRUST ON.—Peterhead, Aug. 26.—Seine net fishing vessel Trust On, of Peterhead, went ashore half a mile from Rattray Head Lighthouse, Aberdeenshire, at 3 a.m., Aug. 26; vessel may refloat later at high tides. (See PD 135 in issue of Aug. 27.)

TUDOR STAR.—Buenos Aires, Aug. 26.— Steamer Tudor Star left here on Aug. 24 for Rio Janeiro. (See issue of Aug. 8.) for Rio Janeiro. (See Issue of Aug. 8.)

TYNEBANK.—London, W., Aug. 27.—

While in the Bay of Bengal on June 17,

British steamer Tynebank, proceeding
from Colombo to Calcutta with general
cargo, had fire in bunker coal stowed in
'tween deck bunkers abaft No. 3 'tween
deck. Wooden bulkhead between No. 3
'tween deck was partially destroyed and
cargo, was damaged. (See Issue of was damaged. (See issue of 24.)

June 24.)

VIENNA.—London, Aug. 26.—Steamer

Vienna (Harwich for Hook of Holland)

put back to Harwich at 11 32 p.m. on

Aug. 24 owing to fire in reserve bunker

hatch. The fire was extinguished and

vessel proceeded at 1 15 a.m. on Aug. 25.

WAVE KNIGHT.—Port Said, Aug. 27.— Tank steamer Wave Knight: Temporary repairs completed and trials held on Aug. 26, vessel proceeding on Aug. 27 at reduced speed to United Kingdom direct; certificate of seaworthiness granted. (See issue of Aug. 12.)

#### WEATHER AND NAVIGATION

DERELICTS AND WRECKAGE Las Palmas, Aug. 26.—A two hundred ton lighter, awash, dangerous to navigation, was reported sighted at 8 p.m., Aug. 25, in lat. 28 32 30 N., long. 14 57 W.

DRIFTING BUOY Bermuda, Aug. 26.—KTNR (American steamer William M. Rayburn) reports having passed a black and white nun buoy in lat. 37 09 N., long. 68 11 W.

MINES REPORTED

Wick Radio, Aug. 24. — Following received from German trawler Heinrich Baumgarten at 12 1 a.m., G.M.T., Aug. 23: Drifting mine observed in position lat. 56 58 N., long. 01 56 E.

Bermuda, Aug. 27. — American steamer Caleb Strong reports having passed a floating mine with vertical prong in lat. 35 15 N., long. 52 22 W.

ATLANTIC WEATHER REPORTS We have received from the Meteorological Office the following wireless reports, dated Aug. 26, from vessels in the North Atlantic. The times given are

N., 37 42 W.; SW., light; intermittent slight drizzle; bar. 30 09. Noon, 51 54 N., 38 12 W.; WSW., light; cloudy; bar. 30 03. BARRINGTON COURT.-6 a.m.,

BEAVERBURN.-6 a.m., 53 12 N., 28 00 W.; W., fresh; overcast; bar. 29 89.

Noon, 53 36 N., 30 30 W.; WSW., light; overcast; bar. 29 89.

RRITISH PATIEN(E.—Noon, 36 12 N., 07 48 W.; NW., light air; cloudless; bar. 29 80.

AVINA.—6 a.m., 55 48 N., 37 24 W.; WSW., mod.; overcast; bar. 29 89. Noon, 55 30 N., 39 12 W.; SW., gentle;

Noon, 35 30 N., 39 12 W., SW., gentle, overcast; bar. 29 74.

DUCHESS OF BEDFORD.—Noon, 47 06 N., 08 00 W.; N. by E., light; overcast; bar. 30 06. 6 p.m., 45 36 N.. 08 42 W.; N. by E., mod.; intermittent slight

W.; N. by E., mod.; international drizzle; bar. 30 00.
EMPIRE MACCALLUM.—6 p.m., 55 36 N., 38 00 W.; WNW., gentle; overcast.
EMPIRE MACDERMOTT.—Noon, 50 48 N.; 16 48 W.; W. by N., fresh; rain showers; bar. 29 94. 6 p.m., 51 00 N., 18 42 W.; W., mod.; overcast; bar.

FANAD HEAD -Noon, 56 00 N., 14 24 W; W. by S., mod.; partly cloudy; bar. 29 74. 6 p.m., 55 42 N., 12 42 W.; WSW, light; partly cloudy; bar. 29 74. FRANCONIA.—6 p.m., 49 00 N., 07 12 W.; WNW. mod.; cloudy; bar. 29 97. HIGHLAND MONARCH.—6 p.m., 40 36 N., 10 18 W.; NNW., fresh; cloudy; bar. 30 09.

bar. 30 09.

HOPEPEAK.—Noon, 49 36 N., 09 48 W.;

W., gentle; partly cloudy; bar. 29 86.
6 p.m., 49 30 N., 08 12 W.; W., gentle;

6 p.m., 49 30 N., 08 12 W.; W., gentle; partly cloudy; bar. 29 83.

MANCHESTER EXPORTER.—6 p.m., 54 54 N., 21 36 W.; WNW., light; partly cloudy; bar. 29 74.

MANCHESTER SHIPPER.—Noon, 56 30 N., 20 42 W.; W., strong; cloudy; bar. 29 68. 6 p.m., 56 24 N., 23 36 W.; W., fresh; cloudy; bar. 29 71.

ORDUNA.—Noon, 49 06 N., 06 00 W.; W., gentle; partly cloudy; bar. 30 09. 6 p.m., 48 00 N., 07 18 W.; NW., gentle; partly cloudy; bar. 29 97.

PILAR DE LARRINAGA.—6 p.m., 48 42 N., 31 30 W.; NW., gentle; mist, vis.

N., 31 30 W.; NW., gentle; mist, vis. between 5 and 10 cables; bar, 29 80.

from New York, 2038 miles from Boston. Owners have dispatched tug Edmond J. Moran, cost \$1000 per day. Tug is expected to contact vessel in about six days.—Salvage Association's Surveyors.

FORR HEAD.—Noon, 55-30 N., 37, 06 W.; SSW., light; overcast; bar. 29-80. 6 p.m., 55-42 N., 35-06 W.; S., light; overcast; bar. 29-74. UMTATA.—6 a.m., 45-48 N., 08-12 W.; E. by S., light; cloudy; bar. 29-94. Noon, 47-00 N., 06-42 W.; N., light; cloudy; bar. 30-03.

#### MISCELLANEOUS

LABOUR TROUBLE IN BRISTOL CHANNEL REPAIRING YARDS

London, Aug. 26.—Two thousand boiler-makers in the Bristol Channel repairing yards stopped work to-day. According to the employers, the charge men decided to cease functioning as such, and, as a result of an embargo on overtime and other restrictions which the men imposed, they had the give notice to men that their had to give notice to men that their engagements would be suspended under the Essential Works Order.

London, Aug. 27.—About 1200 boiler-makers employed in ship-repairing yards in the Bristol Channel have stopped work.

A further 800 attendant workmen were

A further 800 attendant workmen were rendered idle in consequence.

LABOUR TROUBLE AT SHIP-REPAIRING YARD AT SOUTH SHIELDS

SHIELDS

South Shields, Aug. 26. — About 45 platers' helpers employed by Messrs. Brigham & Cowan, Ltd., ship-repairers, of South Shields, ceased work to-day as a protest against the firm's alleged failure to reinstate a shop steward, who was paid off with a number of other men about three with a number of other men about three weeks ago.—"The Shields Gazette."

STRIKE OF SHIPYARD WORKERS AT MONFALCONE

Trieste, Aug. 27.—Seven thousand workers left the shipyard at Monfalcone, near Trieste, last night after a six-hour sit-down strike called as a protest against the entry of 25 British troops and 25 Venezia Giulia policemen on the order of the Allied Military Government.—Reuter. THE STRIKE OF AMERICAN SEAMEN ON THE GREAT LAKES

Detroit, Aug. 27.—The Great Lakes shipping strike which started on Aug. 15 ended to-day when 1500 workers returned to their vessels. About 98 vessels were tied up by the strike.—British United Press.

Falmouth, Aug. 27.—British steamer MEWATA PARK (London for Vancouver) called here to-day to land stowaway.

## THE WAR

BANDRA. — London, W., Aug. 27.—Steamer Bandra, Burma ports for Rangoon with general cargo, sustained slight bottom damage and damage to piping arrangements by underwater explosion when off Tavoy on June 4. (See issues of June 17 and 28.)

DJENNE.—Paris, Aug. 15.—It is reported from Marseilles that the steamer Djenne was successfully righted on Aug. 9 and taken to Mole B., where her hull is being examined prior to repairs being undertaken.—"Journal de la Marine Marchande." (See issue of June 27.)

ORION.—Antwerp, Aug. 21.—Tug Orion, owned by the Societe de Remorquage et

chande." (See Issue of June 27.)

ORION.—Antwerp, Aug. 21.—Tug Orion, owned by the Societe de Remorquage et de Sauvetage, which was mined in Antwerp Roads in 1944, has been refloated and beached. The vessel is in a very bad state and hope has been abandoned of repairing her.—"Lloyd Anversois."

## NON-MARINE FIRES

FACTORY AND SISAL STOCKS, VILA PERY, PORTUGUESE EAST AFRICA Beira, Aug. 26.—Zembe plantations, Vila Pery report that a fire has destroyed the total stock of sisal and a portion of the factory, &c. Arranging survey.-Lloyd's

# WIRELESS REPORTS

Andes.--37 00 N, 05 00 E, Aug 26, 6 p.m -Gibraltar, Aug 22, 4 10 p.m.. Argonne.—Gibraltar, Aug 22, 4 10 p.m., bd Bordeaux Barjama.—61 24 N, 05 54 W, Aug 25.

Barrington Court.—51 54 N, 38 12 W. Aug 26, noon Beaverburn.—53 36 N, 30 30 W, Aug 26

Bedenham.—Gibraltar, Aug 20, 9 58 a.m., bd Oran Caleb Strong.—35 15 N, 52 22 W, Aug 27 Cape Wrath.—Gibraltar, Aug 20, bd UK, 29 43 N, 14 33 W Cavina.—55 30 N, 39 12 W, Aug 26, noon Duchess of Bedford.—45 36 N, 08 42 W,

Aug 26, 6 p.m. Empire Lance.--54 18 N, 07 06 E, Aug 16, noon Empire MacCallum.—55 36 N. 38 00 W.

Aug 26, 6 p.m. Empire MacDermott.—51 00 N, 18 42 W, Aug 26, 6 p.m. Empire Rapier.—53 36 N, 02 30 E, Aug 26, Fanad Head .-- 55 42 N, 12 42 W, Aug 26,

Fort Slave —Gibraltar, Aug 22, 9 58 a.m., 34 30 N. 07 25 W Franconia.—49 00 N. 07 12 W. Aug 26, 6 p.m. Highland Monarch.—40 36 N, 10 18 W,

Manchester Exporter.-54 54 N, 21 36 W. Aug 26, 6 p.m. Manchester Shipper.—56 24 N, 23 36 w.

Aug 26, 6 p.m.

Merwede.—Gibraltar, Aug 20, 9 a.m., bd

Port Said, passed Gibraltar

Orduna.—48 00 N. 07 18 W. Aug 20, 6 p.m. Pilar de Larrinaga, 48 42 N. 31 30 W, Aug 26, 6 p.m. Port Lincoln.—42 18 N, 10 18 W, Aug 26,

6 p.m. Ragnhildsholm. — Bd Stockholm, 604 m NE by E of Cape Race Aug 22, noon San Felix.—43 42 N, 22 42 W, Aug 26,

6 p.m.
Scania.—390 m NNW of Ceara Aug 20
Spyridon II.—Gibraltar, Aug 19, bd Takoradi, 360 m W
Svaneholm.—Bd Philadelphia, 114 m NE of Cape Race Aug 22, noon
Torr Head.—55 42 N, 35 06 W, Aug 26,

N., 31 30 W.; NW., gentle; mist, vis. between 5 and 10 cables; bar. 29 80. PORT LINCOLN.—Noon, 43 42 N., 09 30 W.; W., light air; cloudy; bar. 29 94. 6 p.m., 42 18 N., 10 18 W.; NW., mod.: precipitation within sight; bar. 30 00.

LLOYD'S LIST Wed., Aug. 28, 1946

SHIPBUILDERS AND REPAIRERS

Page

19

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Aug 26, 6 p.m.

Keila.—Gibraltar, Aug 22, 10 5 a.m., bd
UK, 36 15 N, 02 18 E, Aug 22, 9 20

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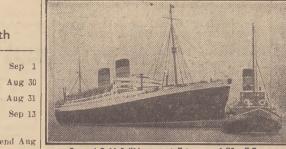
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4		PURIS  Obable Date, Broker and Berth
to		1
LU	Adjutant, Genoa, G. S. N. Co. (West India) Baltayia, Colombo, Aug 31	Somersetshire, Rangoon, Escombe, McGrath & Co. Strathmore, Bombay, Aug 30 Escombe, McGrath & Co. Sunnanbris, Corpus Christi, Aug 31 R. & J. H. Rea (Hamble) Winchester Castle, Durban, Sep 13
er	Baltavia, Colombo, Aug 31 (Hay's Wf.).	Escombe, McGrath & Co. Sunnanbris, Corpus Christi, Aug 31
ST	Haravia, Colombo, (Hay's Wf.). Baltraffic, Lyttelton and Montevideo, J. B. Westray & Co. Beaverdell, Montreal via St. John's (NF) & Hamburg, Sep 11	
BT		
	Benledi, Hongkong, end Sep Galbraith, Pembroke & Co. Benvorlich, Hongkong, Aug 29 Galbraith, Pembroke & Co. (King George V).	(G.W.R. Jetties)
	Cara, Liverpool. now due	Elders & Fyffes.
7	D. Bruce & Co. (Surrey Commercial). Carleton Victory, Vancouver, Birt, Potter & Hughes Cid, Leixoes, Sep 10	F. C. Strick & Co. Empire Garland, London, early Sep James & Hodder.
	Coverley, Westray, Waulhaum &	Fort Ticonderoga, New York via Liverpool, mid Sep
A,	City of Bristol, Beira, Sep 1  Montgomerie & Workman (Tilbury). City of Hereford, Calcutta, Oct 13  Montgomerie & Workman. City of Leicester, Turkey, early Sep Westcott & Laurance City of Lucknow, Beira, Sep 13  Montgomerie & Workman City of Norwich, Philippines City of Norwich, Philippines	Cunard White Star. George W. McKnight, Houston, Houlder Bros. & Co.  New York Colored Houston
	Montgomerie & Workman. City of Leicester, Turkey, early Sep Westcott & Laurance	New Zealand, Houston, Aug 30 Mark Whitwill & Son. Raphael Semmes, New Orleans, end Sep James & Hodder.
	City of Lucknow, Beira, Sep 13 Montgomerie & Workman * City of Norwich, Philippines	James & Hodder. Samayon, Sydney, Bethell, Gwyn & Co.
C		
3		Bethell, Gwyn & Co. Valewood, Southampton, Sep 12 Mark Whitwill & Son.
s	Mongomerie & Workman. Clan Cameron, Beira, Cayzer, Irvine & Co. (Tilbury) Clan Macgillivray, Rangoon, Sep 17 Cayzer, Irvine & Co. Comanchee, New Orleans, Aug 31 Anglo-American Oil Co. (Thames Hayer)	Wolverine, Savannah, Sep 5 Sir William Reardon Smith & Sons (Royal Edward Dk.).
,	Anglo-American Oil Co. (Thames Haven).	BRISTOL Adolf Bratt, Sundsvall, now due
S	Derwenthall, Bahia Blanca, Sep 12 Drina, River Plate, Sep 15 Royal Mail Lines	Adolf Bratt, Sundsvall, now due Whitwill, Cole & Co. Agnete Christensen, Rotterdam, Sep — James & Hodder
go t t	Edam, Houston via Antwerp, Phs. Van Ommeren (London). Empire Merganser, Buenos Aires, Houlder Bros. & Co.	Boston City, New York, Aug 29 C. Hill & Sons Hedda Lau. Kotka. Sep 12
t t	Houlder Bros. & Co. Empire Stour, Rimouski, Harrisons (London), Ltd. (Surrey Commercial).	Agnete Christensen, Rotterdam, Sep — James & Hodder Boston City, New York, Aug 29 C. Hill & Sons Hedda Lau, Kotka, Whitwill, Cole & Co. Hervor Bratt, Gothenburg via Limerick, abt Sep 12 Whitwill, Cole & Co.
t	(Surrey Commercial).  Empire Success, Mombasa, Sep — Union-Castle Mail S.S. Co.  Esso Appalachee, Corpus Christi, Sep 3 Anglo-American Oil Co.	
	Esso Appalachee, Corpus Christi, Sep 3 Anglo-American Oil Co.	James & Hodder.  Marianne Bratt, Kristinehamn, Sep 11  Whitwill, Cole & Co.
	(Shell Haven). Fort St. Paul, San Nicolas, early Sep Houlder Bros. & Co.	SHARPNESS Araton, Sweden, early Sep
	Houlder Bros. & Co. Fresno Star, La Plata, Blue Star Line. (4ascony, Kingston (Ja), Sep 11	Araton, Sweden, early Sep James & Hodder. Einzabete, Sweden, Sep — James & Hodder. Empire Springfjord, Hamburg, early Sep James & Hodder.
	Clan Machrayne Reira via Antwern Oct 10	James & Hodder. Kajsa Christensen, Sweden, Sep
	Cayzer, Irvine & Co. Glenogle, Shanghai, Sep 7 Glen Line. Gurna, Calcutta, abt Sep 7	Kajsa Christensen, Sweden, Sep — James & Hodder. Slemish, Hamburg. early Sep James & Hodder.
	Highland Monarch, Buenos Aires, Aug 29  Royal Moil Lines	Aldebaran, Antwerp, Sep 2
A	Jamaica Producer, Jamaica, Kaye, Son & Co. (West India). James Bennett Moore, New York, Sep 24	C. Hill & Sons.
	United States Lines.	Manchester Port, Baltimore via London end Aug  Houlder Bros. & Co.
	Westminster, end Sep Birt, Potter & Hughes Julia P. Shaw, Houston via Havre, American S.S. Lines Agency.	New York City, Norfolk via Bristol, early Sep Houlder Bros. & Co.
	British & Northern Shipping Agency	Agnete Christensen. Rotterdam via Bristol, Sep – Halyard Bratt, Karlstad, now due
	(Surrey Commercial).  Lake Lillooet, New Westminster, early Oct Tatham, Bromage & Co.	Aadnesen & Dahl Seaboard Queen, Vancouver, Sep 24
3	Tatham, Bromage & Co. Lochmonar, Buenos Aires, Royal Mail Lines (Victoria). Manchester Port, Baltimore, now due	Aadnesen & Dahl BARRY Empire Garland, London via
	Furness, Withy & Co. (Surrey Com.) Mandasor, Calcutta, A. Howden & Co. (Tilbury).	Fort la Cloche, Rosario, Avonmouth early Sep Aug 29
	Martaban, Vizagapatam, abt Sep 21	SWANSEA Aino, Abadan, Durenda, Avonmouth, Simpson Bros. (Swansea) (King's)
	Masirah, Bombay via Liverpool, Havre & Antwerp, end Sep	Simpson Bros. (Swansea) (King's) Redstart, Bristol, T. H. Couch (King's).
ν	Mathura, Calcutta, Sep 4 A. Howden & Co. (Tilbury). Moreton Bay, Wellington, Sep 4	MERSEY American Forwarder, New York via
	Moreton Bay, Wellington, G. Thompson & Co. (Royal Albert).  Moorby, Valparaiso. Sir R. Ropner & Co. (Tithury Cargo Jty.).  Nerma Lau, Holland Sep 2	United States Lines Anglia, Gothenburg via Manchester, Aug 29
- 1	wallwright Bros. & Co.	Bahr, Behrend & Co. Arakaka, Demerara, Sep 4 Booker Bros., McConnell & Co.
2	(Tilbury). New Texas, W.C. Africa, Sep 12 Killick, Martin & Co.	Artisan, New Orleans, Aug 29 T. & J. Harrison Bactria, Alexandria, mid Sep
3	Ocean Courier, Malabar Coast via Havre, Sep 19 Cayzer, Irvine & Co.	Ellerman & Papayanni Lines. Castalia, Bombay, Anchor Line. Sep 20
	Orontes, Bombay via Southampton, Sep 8	City of Bristol, Beira via London
	Oswin, Holmsund. Aug 28 E. Lloyd (Ridham). Papanui, Sydney, Sep 21 Rit Potter & Hughes	Hall Line City of Canberra, Kure, Hall Line. City of Exeter, Karachi & Bombay, Hall Line City of Narwich Philippings and
	E. Libyu (Indiani DK.).	Hall Line City of Norwich, Philippines and Hongkong via London, Nov 2
t	Grav Dawes & Co.	Hall Line Clan Angus, Mombasa, Cayzer, Irvine & Co. Comliebank, Beira via Antwerp, early Sep
	Port Line (King George V.).	Elder Dempster Lines
	Port Macquarie, Sydney, Sep 30 Port Line. Queda, Calcutta, Sep 3	Donaldson Bros. & Black. Custodian, Las Piedras, Sep 10-15
3	Gray, Dawes & Co. (Royal Albert). Rangitiki, Wellington, J. B. Westray & Co.	Demodocus, Batavia, early Oct A. Holt & Co.
	Rideau Park, Montreal, Aug 30 Denholm, Coates & Co. (Surrey Commercial) Rolf Jarl, Leghorn Aug 30	Corrientes, Buenos Aires, Donaldson Bros. & Black. Custodian, Las Piedras, T. & J. Harrison Demodocus, Batavin, A. Holt & Co. Devis, Buenos Aires, Lamport & Holt Line. Enpire Beaconsfield, Pugwash, A. Coker & Co. Empire Capulet, Sydney, A. Holt & Co. Empire Corrad. Lagos, Sep 3
	Rolf Jarl, Leghorn, Aug 30 Nordenfjeldske S.S. Services (West India).	A. Coker & Co. Empire Capulet, Sydney, A. Holt & Co.
	J. B. Westray & Co. St. Clears, Trinidad, Aug 31	Elder Dempster Lines. Empire Dirk, Hampton Roads, Sep 6
	Howard Tenens (West India).	
	Royal Mail Lines. (Victoria).  Samble Hamburg & Antwern	Empire Merganser, Buenos Aires, Sep 12 Houlder Bros. & Co. Empire Prowess, Sydney via Durban, Sep 23 J. Dowie & Co. Empire Swordsman, Metadi
	Harrison's (London), Liu, (Thiniry).	Empire Talisman, Vancouver. Sep 16
	Sambay, Singapore. Sep 25 P. & O. S. N. Co. Sameonon, Santos via Liverpool. Sep 10 Howard Tenens, Ltd.	Blue Star Line Empress of Scotland, Singapore, Sep 19 Canadian Pacific S.S. Fanad Head, Montreal via Dublin, abt Aug 29
	Sameveron, Calcutta, Oct 17 Montgomerie & Workman, Samfield, Calcutta, Sep 30	G. & Forwood Heyn.
	d. II. Wellstan	Fort Brunswick. Takoradi, now due R. & D. Jones (Birkenhead) Fort Musquarro, New York via Bremen, Aug 30
	Samsylvan, Wellington via Antwerp. Sep 18-19 Shaw Savill & Albion Co. Samtyne, N. Pacific, Sep 28 Furness, Withy & Co. (Surrey Com.).	Cunard White Star Fort Sturgeon, Lagos, H. Tyrer & Co.
	Furness, Withy & Co. (Surrey Com.). Sardis, Oporto, G. S. N. Co. (London Dk.) Saxon Star, General Uriburn, Sep 9	Cunard white Star Fort Sturgeon, Lagos, early Sep H. Tyrer & Co. Fort Ticonderoga, New York, Sep 5 Cunard White Star. Frederick Banting, Newcastle (NSW), Oct 24 Hall Line French Creek Cusacae
ŀ	Saxon Star, General Uriburn, Sep 9 Blue Star Line Seaboard Ranger, Vanconver, Sep 25	Furness, Withy & Co.
.		
1	Escombe, McGrath & Co. (Tilbury Cargo Jty.). Sobleski, Port Said. Lawrett & Holt Line (Tilbury)	Geologist, Mobile, Sep 5-6 T. & J. Harrison Glenbeg, Shanghai, Sep 24 A. Holt & Co. Green Mountain, Wilmington (N.C.) &
	D & O & N Co	A. Coker & Co
	Tahsinia, Calcutta, abt Sep 16 Anchor Line. Temple Bar, Caibarien, Aug 28 Lambert Bros. (Greenwich Bys.).	H. Tyrer & Co. Harald, Aalborg, Aug 30
Ш	Teviot, Puerto Deseado via Havre, Sep 1/2 Royal Mail Lines (Victoria).	Hermiston, Tampa, Bahr, Behrend & Co.
Ш	Umtali, Beira via Hull, early Oct Bullard, King & Co. (West India) Umtata, Durban, now due	N. Johansen & Dani (Carriers).  Hermiston, Tampa, Bahr, Behrend & Co. Historian, Mombasa, T. & J. Harrison. Hoegh Scout, Baytown, H. E. Moss & Co. (Dingle Oil Jetty).  Hybert Howa Bancroft, Savannah &
	waimana, New Flymouth, Sep 13	Thursday Howe Danciols, Savannan a
	(West India).  Waimana, New Plymouth, Sep 13  Shaw Savill & Albion Co.  Waiwera, Cairns, Shaw Savill & Albion Co.  Zealand, Genoa.  Zealand, Genoa.  Aug 29	Wilmington, early Sep A. Coker & Co. Kumasian, W.C. Africa, Sep 2-3
	Zealand, Genoa. Aug 29 Currie Line.	H. Tyrer & Co. (Bromborough) Lanarkshire, Fremantle, Cayzer, Irvine & Co.
	Povel Mail Lines	Lapwing, Oporto, Ellerman & Papayanni Lines. Lobos, Valparaiso, Sep 12
	Athlone Castle, Singapore, Sep 5 Union-Castle Mail S.S. Co. Carnaryon Castle, Table Ray	Lobos, Valparaiso, Sep 12 P. S. N. Co. (Canada) Lone Star, Savannah, end Aug-early Sep A. Coker & Co.
	Union-Castle Mail S.S. Co. Highland Brigade, W.C. Africa, Sep 20	A. Coker & Co. Loriga, Antofagasta, P. S. N. Co. (Canada) Masirah, Bombay, mid Sep
	Lady Nelson, Halifax. Sep 1 Londovery Caglie Maderia	Anchor Line.
	Union-Cashe man c.c. Co.	Cunard White Star Medina Victory, Naples. Donaldson Bros & Black
Ш	Dani Askarlan & Son	Monarch of Bermuda, Singapore, Sep 4
	Escombe, McGrath & Co. Riebeeck Castle. Port Natal via	Marwood & Robertson (Prince's Landing Stage) Naticina, New York, Sep 2 I Brinings (Shipping).
1	Union-Castle Mail S.S. Co.	Brinings (Shipping).

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## W. H. J. ALEXANDER, Ltd., Wapping, London, E. 1

v. H. J. ALEXANDER, Ltd	I.
eleus, Hongkong via Amsterdam, mid Oct	1
A. Holt & Co. estor, Newcastle (N.S.W.), Sep 18 A. Holt & Co.	
inella. Curacao Ang 30	1
E. H. Mundy & Co. (Birkenhead). cean Verity, Singapore, Sep 4 A. Holt & Co.	F
rbita, Sydney, Sep 19	-
thello, Lulea, early Sep	_
arima, Buenos Aires, Sep 24	
A. Holt & Co. rbita, Sydney, Sep 19 P. S. N. Co. thello, Lulea, early Sep R. & D. Jones (Birkenhead). arima, Buenos Aires, Sep 24 P. S. N. Co. ull Bunyan, New York, Sep 2 United States Lines	
orthshire, Brisbane, Sep 18 Cayzer, Irvine & Co. 1200 of Bermuda, Bombay, Sep 5	١.
ieen of Bermuda, Bombay, Sep 5	A
Ellerman Lines (Prince's Landing Stage) sina del Pacifico, Rangoon, Sep 5	_
nexenor. Port Pirie. Sep 14	(
A. Holt & Co. chmond Hill, Calcutta, Sep 16	
Hall Line	-
ustenburg Castle, Durban. Sep 11 Union-Castle Mail S.S. Co. lacia, Montreal, Aug 31	6/
Donaldson Bros. & Black.	
Cunard White Star.	-
mconan, Santos, Aug 29 Canada Steamship Lines (Overseas), Ltd.	G
mcree Nanles Sen 9	S
mderwent, Mauritius via Avonmouth Sep 25 Cayzer, Irvine & Co. mhale, Brisbane, mid Oct	
A. Holt & Co. mite, Melbourne, mid Oct A. Holt & Co.	
mphire, Madras, Oct 25	Αp
Ellerman Lines. mshire, Naples. Sep	
Ellerman & Papayanni Lines. msmola, Naples, mid-end Sep MacAndrews & Co.	R
mteviot, Newcastle (N.S.W.), Sep 20	
J. Dowie & Co. mtucky, Beira via Antwerp, mid Sep	
mitucky, Beira via Antwerp, mid Sep Elder Dempster Lines mzona, Vancouver, Sep 6 P. S. N. Co. rmiento, Valparaiso, Sep 6 P. S. N. Co. (Canada). thia, Bombay, Aug 30	
rmiento, Valparaiso, Sep 6	
ythia, Bombay, Aug 30	M

rly Sep Sep 2 rly Sep Sar nd Aug rly Sep Anchor Line. Staffordshire, Rangoon via Lagos, Staffordshire, Rangoon via Lagos, Bibby Bros. & Co.
Temele, Port Harcourt,
Elder Dempster Lines
Teucer, Hongkong,
A. Holt & Co.
Torr Head, Montreal,
G. & Forwood Heyn.
Vasco, Lisbon,
Ellerman & Papayanni Lines.
Verna, Sweden,
Vogt & Maguire
GARSTON Aug 31 Aug 29 Sep 15 Sep Sep 4 Sep 10 ow due

Vogt & Maguire
GARSTON
Empire Taff, Barcelona, Aug 28-29
MacAndrews & Co.
MANCHESTER
American Forwarder, New York vin
Dublin & Liverpool, Sep 2
H. Watson & Co. (Salford)
Kora, West Norway, Aug 28/29
Sivewright, Bacon & Co.
Ninella, Curacao via Birkenhead, Sep 1
E. H. Mundy & Co.
(Barton & Mode Wheel).
Rita, Julea, Sep 2
H. Watson & Co. (Irlam).
Stanhill, St. John (N.B.), early Sep
Sivewright, Bacon & Co. (Salford)
PRESTON
Meta, Rafso, Aug 29 Aug 29 Sep 4 Aug 29 nid Sep Sep 20 Meta, Rafso,
H. Tyrer & Co.
Samuel V. Shreve, Karlsborg via
Liverpool, Aug 29 Sep 13 Sep 30 Aug 28/29

H. Tyrer & Co. H. Tyrer & C.C. CLYDE
Castalia, Bombay via Liverpool,
Anchor Line.
City of Exeter, Karachi & Bombay
via Liverpool City Line.

Cian Angus, Mombasa via Liverpool,
Cayzer Irvine & Co.
Clan Chattan, Newcastle (NSW),
Cayzer, Irvine & Co.
Eastern Prince, Lagos via Naples,
Furness, Withy & Co.
Empire Ken, W.C. Africa,
Royal Mail Lines.
Nestor, Newcastle (N.S.W.) via
Liverpool,
Lithurn & Co. Sep 17 Sep 27 rly Sep Sep 11 id Aug Sep 10 p 10-15

Sep 4 Sep 4
Sep 6
Oct 4
Sep 3
Sep 6
Oct 4
Sep 3
Sep 6
Sep 6
Sep 6
Sep 6
Sep 12

Sep 23 ABERDEEN now due Sep 19 Aug 29 w due Aug 30 Aug 30 now du

Anchor Line

ABERDEEN

Archroyal, Sunderland,
W. R. Aiken, Ltd. (Torry Wf.).

Harlaw, London & Newcastle.
Aberdeen Steam Navigation Co. (Victoria).

Belvina, London,
W. R. Aiken, Ltd. (Upper).

Havbris, Gdynia,
Leslie (Shipbrokers), Ltd. (Pocra Qy.).

Pass of Leby, Grangemouth.
W. R. Aiken, Ltd. (Torry Wf.).

Zuidland, Antwern,
W. R. Aiken, Ltd. (Victoria).

BELFAST

Esso Cheyenne, Hamburg,
Lawther & Harvey
(Harland & Wolff's).

DUBLIN

Fanad Head, Montreal,
Irish Poplar, Montreal,
Limerick S.S. Co.

Mosdale, Rio Janeiro,
R. A. Burke,
Zena, Gothenburg,
G. Bell & Co.

LIMERICK

Hervor Bratt, Gothenburg,
Edmund Lindlow,
BURNTISLAND

Wearwood Takorati ly Sep Sep 5 Oct 24 lug 29 now due Sep 9 Sep 5-6 now due Sep 24 Aug 31 abt Sep 7 d Aug BURNTISLAND

Sep 9
Sep 4
Aug 29
Rep 4
Aug 29
Sep 2-3
Sep 12
Sep 12
Sep 7
Rearwood, Takoradi,
Dewar & Lawson GRANGEMOUTH
British Amhassador, Abadan,
Hopkin, Paton & Co.
Gudrun, Susa,
Lisita, Baytown via Jarrow,
J. Denholm & Co.
Marpessa, Fahaheel,
Hopkin, Paton & Co.
Vera Koweit,
Hopkin, Paton & Co.
LEITH
Cairnesk, Montreal via Tyne,
Furness, Withy & Co. (Imperial).
TYNE
Aglos Georgios, Archangel Sep 10 end Ang Aug 30/31 Sep 17 Sep 1

Sep 12
Sep 7
Sep 12
Anthonoropulo Bros.
(Commissioners' Staiths).
Astea, Bergen.
Sep 13
Mid Sep
Sep 5
Aug 30
Aug 30
End Gergios. Archangel,
Anthonoropulo Bros.
(Commissioners' Staiths).
Astea, Bergen.
P. H. Matthlessen & Co.
(Tyne Commission Qy.).
Jupiter, Bergen.
P. H. Matthlessen & Co.
(Tyne Commission Qy.)
Jupiter, Bergen.
P. H. Matthlessen & Co.
(Tyne Commission Qy.).
Lisita, Baytown.
C. Lochen & Co. (Jarrow)
end Oct Aug 30 Aug 30 Aug 28 end Oct St. Abbs Head, London Hargreaves (Newcastle) (Pelaw Staiths).

(Pelaw Stantas).

HARTLEPOOL
Empire Clarion, New Westminster, Sen 18-19
Karin, Batskarsnas,
Metcalfe Son & Co. (Union).

Aug 31

Sep 1

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end Sep

Sep -

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Sep 20

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Fort Anne, Takoradi,
Swedish Iron Ore, Ltd.
Sreca, Bona,
Waltons (Middlesbrough), LtdVisten, Otterbacken,
Swedish Iron Ore, Ltd. Aug 30 Sep 2 Aug 28 HULL

Armadale, Sydney via Antwerp, Oct 20
G. S. N. Co.
Aylesbury, Middlesbrough, Sep 6
McGregor, Gow & Holland
(King George)
Benledi, Hongkong via London, early Oct
Porter & Henderson.
British Gratitude, Trinidad, Sep 3
W. Moran & Co.
Charles Treadwell, Hamburg,
Ellerman's Wilson Line
(Wm. Wright).
Empire Success, Mombasa via London Sep —
McGregor, Gow & Holland
Fort Rupert, W.C. Africa, Sep —
J. H. Whitaker, Ltd.
Heire, Christiansand,
Ellerman's Wilson Line (Albert)
Highwear, Kotka,
Stanhope S.S. Co. (Victoria)
Hopepeak, Galveston,
W. H. Cockerline & Co.
(King George). W. H. Cockerline & Co.
(King George).
Hugin, Stockholm,
Ellerman's Wilson Line (Albert).
Kamata, Newcastle (N.S.W.),
G. S. N. Co.
Lossiebank, Sydney,
McGregor, Gow & Holland
(King George)
Lublin, Reykjavik,
McGregor, Gow & Holland
Northern Chieftain, Aberdeen,
Ellerman's Wilson Line.
(Win. Wright),
Queda, Calcutta via London & end Aug Sep 25 mid Sep now due Queda, Calcutta via London Queda, Calcutta via London &
Ellerman's Wilson Line.
Rembrandt, Vancouver,
W. A. Massey & Sons.
Ring, Sweden via Holland,
Ellerman's Wilson Line (Albert).
St. Rosario, W.C. Africa,
McGregor, Gow & Holland
(Alexandra).
Samport, W.C. Africa,
John H. Whitaker, Ltd.
Skjold, Copenhagen,
Ellerman's Wilson Line
(Wm. Wright)
Umtali, Beira,
McGregor, Gow & Holland,
(King George).
William Brewster, Lofholmen, mid Sep Sep 2

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