THE ROBERT REFORD CO., LIMITED. Catherine St. West.

DONALDSON LINE

SERVICE.	ı
From Glasgow. From Montreal.	
Aug. 15ATHENIA Aug. 29th	١
Aug. 22LETITIA Sept. 5th	ı
Aug. 29 CASSANDRA Sept. 12th.	1
Passenger Rates-Cabin (II.), \$57.50 up. Third-	1
class, eastbound and westbound, \$31.25.	ľ
Was all tedamentias apply to	L

THE ROBERT REFORD CO., LIMITED. General Agents, 20 Hospital Street. Steerage Branch 488 St. James Street. Uptown Agency, 530 Catherine St. West.



Ideal Week End Outings

VISIT

Quaint Old Quebec and witness the scenes attending the mobilization of Canadian troops at Val Cartier

Fare \$7.50 including berth and dinner both ways, going Satur-day, returning Sunday or Monday.

ANOTHER ATTRACTIVE WEEK END TRIP IS TO PRESCOTT Going Saturday, returning Sunday, through the Rapids

Fare \$7.00 including meals and berth

SUNDAY EXCURSIONS "THREE RIVERS as Sorel and Berthier, leaving Montrea Ticket Office-9-11 Victoria Square

CANADA STEAMSHIP LINES, LTD.

Location of steamers at 6.30 p.m., August 21st, 1914. Canadian-Arrived Three Rivers 7 a.m. 20th Acadian-Kingston. Hamiltonian-Arrived Toronto noon to-day

Calgarian-Left Montreal 4 a.m. to-day for Port B. A. Gordon-Due Fort William early to-morrow

Glenellah-Down Port Huron midnight last nig Dundee-Welland Canal, westbound. Dunelm-Down Soo 1.30 p.m. to-day. Strathcona—Up Port Colborne 4 p.m. to-day.

Donnacona—Left Montreal 4 p.m. 20th for Port Co

Doric-Port Colborn Midland Queen-Left Fort William 9 p.m. 20th. Sarnian-Due to clear Fort William last night. H. M. Pellatt-Down Soo 7 p.m. 20th. Wahcondah-Drydock.

Beaverton Up Soo 9.45 p.m. 20th. Kenora-Left Montreal 4 p.m. 20th for Port Co

Arabian-Up Kingston 9 a.m. to-day for Port Co

Bulk Freighters. W. Grant Morden-Leaves Port Arthur to-morro Emperor-Arrived Two Harbors 9 a.m. to-day. Midland Prince Down Soo 8.30 a.m. to-day.

Midland King-Due to clear Key Harbor to-day for Martion-Up Port Huron noon 20th. Emp. Ft. Wm.-Down Soo 10.45 p.m. 20th Emp. Midland—Arrived Erie 9 a.m. 20th. Winona—Cleared Point Edward 3 p.m. 20th, Scottish Hero-Left Port Colborne 2 p.m. to-day. A. E. McKinstry-Up Montreal 2 a.m. to-day Renvoyle-Left Erie 4 p.m. to-day for Port Colborne. ngton-Down Port Colborne 3 p.m. to-day. Cadillac-Montreal.

Leaves Montreal to-night for Toronto. City of Ottawa-Hamilton

MARITIME PROVINCE SECURITIES

Members Montreal Stock Exchange,	Exchange	Build-
ing Halifax.)		
Miscellaneous:-	Asked.	Bid.
Acadia Sugar, Pref	100	95
Do., Ordinary	65	60
Brandram-Henderson, Com	30	25
East. Can. Sav. and Loan	145	
East. Trust Co	163	158
Mar. Nail, Pref., with 40 p.c. Com.	图 2000	
Stock Bonus	100	98
Mar. Tel. and Tel. Pref	10214	100
N. S. Underwear, Pref	98	
Do., Com	35	30
Stanfield's, Ltd. Pref	95	90
Trinidad Electric	73	
Bonds:-		No. 197
Brandram-Henderson, 6 p.c	971/6	92
East. Car., 6 p.c	100	95
Mar. Nail, 6 p.c	100	98
N.S.S. and C., 6 p.c. Debenture Stock.	98	9.1853
Porto Rico Tel. 7 p.c	105	100
	CHEST SHEET SHEET AND	DEPARTMENT OF A ST

Pig iron output in Russia, according to recent of-icial figures, reached a total of 4,546,607 tons in 1913, as compared with 4,125,882 tons in 1913, an increase

The speed with which Germany

mainly by volunteers from the New York Edison Co. General Agents, 20 Hospital Street. Steerage Branch, and other concerns employing expert electricians, 488 St. James Street. Uptown Agency, 530 St. under the direction of Arthur Williams, general in spector of the Edison Co.

So far, all that has been heard from him is that he in getting to London with a new French motor car He was in France and had just bought the car when cans were confiscated wholesale.

With a few more than 200 volunteers Mr. William in 1898 sowed mines broadcast across the channel to New York harbour at a point opposite Sandy Hook. The Government furnished the mines, but was able to do little else, since this country then knew hardly anything about mining its coasts. Nowadays mine commands are among the most impor-tant measures of our coast defence and West Pointers are trained as experts at it.

The mines used to guard New York harbor were teel shells of a slightly elliptical shape and about three and one half feet in the longer diameter. Inside was gun cotton and a ball contrivance so arranged that if anything hit the mine and threw it out of position the gun cotton was exploded. Tests showed that these shells, when exploded from anchorages about five feet below the water's surface, threw up a column of water fifty feet high. This was efficacious for that day, but at present mines are required big enough to shatter a ship's frame, since water tight compartments now in use would prevent the old type of mine sinking a warship.

The mines we planted in 1898 were both contact

and range shells. They exploded on collision, but by a series of electrical switches, men ashore were able to explode any one or all of a series of them The task of planting them in New York harbour too from April 13 to June. It could be accomplished much more swiftly now.-Wall Street Journal

MORE AND BETTER PAID

Comparative Cost of Running Ships in U. S. Registry

similar foreign ship, notwithstanding that American crews are paid on a higher scale. The following shows comparative cost of operating

American and foreign ships, taking an American steamer of 4,500 gross tons, as against a British steamer of 6,000 gross tons:

011	The state of the s	
	Rating per month.	
ht.	*1 Master \$175	
	*1st mate 85	
	*2nd mate 65	
	†3rd mate 50	
ol-	* chief engineer 150	
	*2nd engineer 100	
	*3rd engineer 90	
	*4th engineer 80	
	1 steward.	
	1 cook.	
	10 sailors.	
	10 firemen and coal passers.	
-10	2 mess boys.	
	†3 oilers.	
01-	35 men	
	, British.	
	Wages	
- 1	Rating. per month.	
w	11 master \$100	
	11st mate 50	

11 master	1
‡1st mate	
‡2nd mate	
tl chief engineer	
12nd engineer	
t3rd engineer	ď
14th engineer	- 11
2 stewards.	
1 cook.	
8 sailors.	
7 firemen and coal passers.	
25 men	8
	01

†Unnecessary under British law tAny nationality eligible.

The monthly cost of maintenance at current market prices for food is about \$550 for the American itfit. For the British it is about \$325.

The United States has a somewhat different mearement than other nations. It is not so favorable to ship owners, and instances are known where a vessel has been computed by American surveyors to asure up to a 34 per cent. greater cargo space than under British measurement.

WAR SUMMARY.

\$10,000,000 on Liege.

London Daily Chronicle says demand upon Brussels is contrary to laws of war prescribed by Hague

United States Government has informed Japan it aderstands that operations against Germany be confined to Kiao Chau district and that if any other steps in China are contemplated this govern ment will first be consulted.

Grand Duke Nicholas will lead 800,000 Russian

COULD RAISE A MILLION IN TWO HOURS. Chicago, August 22. - An officer of the Illinois Manufacturers' Association says J. J. Hill recently told him he could raise \$1,000,000 in two hours in St. Paul for investment in ocean carriers.

Shipping and Transportation

SATURDAY, AUGUST 22, 1914.

Sun sets—7.01 p.m. Full moon—August 5. Lest quarter—August 13. First quarter-August 27.

TIDE TABLE. High water-6.25 a.m., 6.45 p.m. Rise-16.8 feet, a.m., 15.9 feet, p.m. Next high tide on August 24.

Weather Forecast.

Lower Lakes, Georgian Bay.—Light to moderat rinds; fine and warm to-day and Sunday, Ottawa Valley, Upper St. Lawrence Valley. and warm to-day and Sunday.

Lower St. Lawrence—Fresh northwesterly winds fair, with about the same temperature. Gulf.-Fresh to strong northwesterly winds; clear-

ing and comparatively cool.

Maritime.—Fresh southwest and northwest winds. showers in some localities, then fair and moderately

Manitoba and Saskatchewan-Mostly fine and varm, but thunderstorms in a few localities. Alberta-A few scattered showers but general ne; stationary or a little lower temperature.

PORT OF MONTREAL.

Arrivals -August 20. Rauma, 1,951, Peterson, Blythe, U.K., light.
Arrivals—August 21. Antares, 1,617, Fazzolo, Vera Cruz, light

Cleared at Custom House. Teutonic for Liverpool. Gloris de Larrinaga

Salmonpool for Liverpool. Wentworth for Liverpool.

The Charter Market

(Exclusive Leased Wire to The Journal of Commerce.)

Exclusive Leased Wire to The Journal of Colors will supply any funds.

New York, August 22.—The steamer market was banks will supply any funds.

Diligent inquiry yesterday among the great business was done in charquiet, and only a limited business was done in charpast few days, the greater part of the orders come sibly transfer two of their ships engaged in the trade from shippers of grain and coal, the former to United New York, August 22.—Our navigation laws have until now required that all officers of American yes—until now required that all officers of American yes—mand for tonnage for coton, general cargo or tim—it has ships under the flags of several nations. The until now required that all officers of American vessels be citizens of the United States, that ships have sale be citizens of the United States, that ships have three navigating officers, beside the captain, as charter in any of the trades. A small boat was closed try. The Ward Line, it was reported, will keep charter in any or the trauge. A shade of medium size those ships now flying the Cuban flag under that against two for other handling and carry a clear for a round River Plate trip, and one of medium size those ships now flying the Cuban flag under that for a full cargo of sugar, hence to London; both of flag. The United States Steel Corporation has not which are for prompt delivery. A small prompt boat was also closed for grain from Baltimore to a boat was also closed for grain from Baltimore to a boat was also closed for grain from Baltimore to a range of French Atlantic ports at 3s 4½d, a decline range of French Atlantic ports at 3s 4½d, a decline range of French Atlantic ports at a value of 11/2d in three days. Rates are easier all was scouted in finencial circles. Not even the most around, and in some instances are quotably lower due visionary of promoters in the district would say to the ample offerings of boats in positions to give that they had any idea of floating any company, delivery. No fixtures of any kind were reported in the sail tonnage market, and there is no noticeable improvement in the general demand for tonnage. Vessels offer moderately and rates are fairly

Charters-Grain-British steamer Parkgate, 21,000 quarters, from Baltimore to Havre, Dunkirk, St. Nazarine, Nantes or Bordeaux, 3s 4½d, prompt.

British steamer Pennine Range, 23,000 quarters,

Baltimore to Havana, p.t., prompt.

Miscellaneous—British steamer Dalrazan, 2,072 reliability of food delivery enormously. tons, New York, and River Platte trade on round trip on time charter, p.t., prompt.

WHOLE FLEET CHANGES FLAG

19,478 Tons Comprising the Grace Fleet Running t South American Ports Will Fly Stars and

New York, August 22.-Of the fleet of W. R. Grace & Co., who will put a number of their ship under the American flag, vessels owned by W. R. Grace & Co. on the Atlantic measure 49,478 tons, as

	Name.	nen built.	Tonnage
	Cacique	. 1910	6,202
ì	Capac	. 1893	3,052
	Celia	. 1904	5,004
	Chocas	. 1906	5,067
	Shimu	. 1900	4,259
	Chincha	. 1912	6,395
	Chipnaa	. 1907	7.040
	Condor	. 1893	3,053
	Coya	. 1895	3,040
	Curaca	. 1913	6,386
T	hey are employed in genera	l transpo	

States and vice versa.

Other large companies with fleets flying foreign flags are not ready as yet to make similar announ ments. Hesitancy is not ascribed to sentiment but to German Military Governor has imposed a levy of plain, hard business reasons. There are several objections to the registry bill which make it more ex pensive to operate under the Stars and Stripes that under any other flag: One objection is the eliminat ing of the clause which permitted foreign-built boa expense to shipowners prescribed in reference to of ficers and crews.

In shipping quarters it is said that much will depend on how President Wilson will exercise his dis-cretion in suspending provisions of American shipping aw which prescribe that all watch officers must b American citizens. If those provisions are suspended, shipowners will then ask for how long and what will be the status after the war is over. When trouble is ended the ships will have to compete again with foreign vessels, and cannot do it under the pres

Megantic, arrived Martin River at 7.30 a.m., to

SIGNAL SERVICE.

Crane Island 32-Inward, 12.50 p.m. Batiscan, 12.10 D.D. Levenpool.

Cape Salmon, \$1—Outward 8.35 s.m. Sticklestad.

Matane, 200—Inward 10.50 s.m., Louisburg.

Cape Chatte, 224—Clear; west wind. Inward, 11.00

m., a steamer, 10.30 a.m., a steamer.

Martin River, 206—Clear, east wind. Inward, 7.45

m., Gladstone, 8.20 a.m., Mountby. Cape Magdalen, 260—Clear, calm. Inward 11.50 a.m. Canada (Gaspe Line.) Caps Rosier, 345—Clear, south wind. Outward, 8.00

a.m. Savoy. Cape Despair—Clear, south wind. Inward no Lady of Gaspe. Point Amour, 673-Clear, calm. Inward 11.00 a.m.

Nancy Lee.
Money Point, 587—Clear, west wind. Inward 5.00 a.m., Wabana, 5.00 a.m., Wacousta, 8.00 a.m., Kron prinz Olav. Outward, 7.30 a.m., Blackheath. Quebec to Montreal.

Long Point, 5-Light fog; raining; calm. 1.85 p.m., Antares. West of Montreal.

Lock No. 2—Eastward 3.00 p.m., Georgetown. Cornwall, 62—Cloudy, calm. Eastward 1.50 p.m. Keyvive. Galops Canal, 99-Cloudy; west wind. Eastward 10.15 a.m. Meaford, 10.45 a.m. Holcomb Superior-Light to moderate winds: fair and warm

> Port of Halifax. Halifax, N.S., August 21-Sailed-Steamer Mongol an, Philadelphia; Rappahannock, London.

SCHEME WILL FAIL

New Ship Registry Bill Not Regarded as Solutio of Merchant Marine Problem by Shipping Men In United States.

New York, August 22.-The new ship registry ine, according to ship owners, ship brokers, maritime agents and bankers yesterday.

Without taking into consideration for the presen

the very serious question whether a nation at wa ligerent nation which was engaged in transporting conditional contraband to an enemy's port, it was said that America corporations owning ships with s foreign registry will not, as a rule, transfer ther ized to purchase any independent ships, none but unwise investors will invest in such a project and no

tering. There is no noticeable increase in the demand for tonnage, and as has been the case for the exception of W. R. Grace & Co., who will pos-

A MOTOR CAR WAR

reeps Will Move More Quickly and Supplies Will Be Obtained More Regularly as Result.

Paris, August 22.—Automobile agents comment British steamer Pennine Range, 23,000 quarters, the important part which automobiles will play in from Baltimore to the United Kingdom, declared on the war, saying they will be more valuable than aeroplanes and will not only increase the speed of the ini coal—Norwegian steamer Hugin, 1,174 tons, from tial advance guards' movements, as the Germans al-ready have shown, but will increase the rapidity and

Forces will be much less likely to go to sleep sup erless on account of the non-arrival of provisions British steamer Domingo De Larrinaga, 2,651 thereby removing one of the most critical causes of tons, from New York to London, with sugar, p.t., spread out over tremendous areas. They will be most useful for the speedy care of the wounded and will save thousands of lives that would have been lost in the days of horsedrawn ambulance.

The French automobile equipment is excellent, ful-

ly equal to if not superior to the German, being especially strong in large, fast cars capable of taking ten equipped soldiers thirty miles an hour over ordinary country roads. Big agents handed over large number of brand new high powered fast cars very low fares. made for the special use of the General Staff's intellicelebrated racing drivers, have been assigned for driving high officers on scouting

ATLANTIC COAST LINES DIVIDEND, New York, August 22.—The Atlantic Coast Line

clared a quarterly \$1.50 dividend, or at the regular rate of 12 per cent. annually, par value of stock en reduced to \$50. Heretofore dividend has been \$3 quarterly, and par value, \$100. Divi-dend is payable September 10. Books close August 31, re-open September 11.

Publicity is to be given to the names of those omen who have unpatriotically prevented their husbands from enlisting.

RAILROADS

CANADIAN PACIFIC CHICAGO EXPRESS

EXHIBITIONS

Going Sept. 2 and 9 ... \$10.00 Going Sept. 4, 5, 6, 7, 8, 10 ... \$12.36 Return limit, Sept. 15, 1914. Toronto

Three Rivers Single first class fare. Going, August 26. Return

mif. August 31.

Fare and One Third. Going Aug. 24, 25, 27, 28, 29. turn limit, Aug. 81, 1914. SEASIDE EXCURSIONS

Going August 28, 29 and 30. Return limit Septem

er, 14, 1914.

HOMESEEKERS' EXCURSIONS. EVERY TUESDAY UNTIL OCT. 27. Tickets good for Sixty days. Winnipeg, Edmonton and Int. Stations

WEEK-END TICKETS NOW ON SALE. COLONIZATION EXCURSION,

Going, August 25, Return, Sept. 4.

Lake-Ontario Shore Line TO TORONTO.

via Belleville, Trenton, Brighton, Colborne, Port Hope, Newcastle, Bowmanville, Oshawa, Whitby. Leave Windsor Street 8.45 a.m.

TICKET OFFICES 141-143 St. James Street Phone Main 8123 ndsor Hotel, Place Viger and Windsor Street Station

GRAND TRUNK RAILWAY DOUBLE TRACK ALL THE WAY Montreal--Toronto--Chicago

INTERNATIONAL LIMITED. Canada's Train of Superior Service Leaves Montreal 9.00 a.m., arrives Toronto 4.30 p.m., Detroit 9.55 p.m., Chicago 3.00 a.m., daily. IMPROVED NIGHT SERVICE. Leaves Montreal 11.00 p.m., arrives Toronto 7.30

partment Sleeping Car Montreal to Toronto daily. SETTLERS' EXCURSIONS

a.m., Detroit 1.45 p.m., Chicago, 8.40 p.m. Club-Com-

o Porcupine, Cochrane, Haileybury and other points n T. & N. O. Ry. Going August 25; returning September 4, 1914.

VALLEYFIELD EXHIBITION.

ugust 24, 1914. QUEBEC EXHIBITION. Round Trip from Montreal.

Going September 1, 2 and 3 \$4.90

Summer Tourist Fares-Through Service

Return limit, September 7, 1914. PORTLAND-MAINE COAST-THE ISLANDS.

Going August 30, 31, Sept. 4 and 5

Seaside Excursions

	Round Trip from Montreal to:-	
1.	PORTLAND, ME,	\$8
ľ	Old Orehard, Me	\$8
8	Kennebunkport, Me	\$9
	NEW LONDON, CONN	
	Watch Hill, R.J.	
t	Block Island, R.I	\$10
	Going August 28, 29, 30; valid for return until	Se
	Going August 28, 29, 30; valid for return until	

HOMESEEKERS' EXCURSIONS. Round Trip Tickets to Western Canada, via Chicago, on sale every Tuesday until October 27th, at

122 St. James St. cor. St. Francois Xavier
—Phone Main 6905 Windsor Hotel Bonaventure Station

NOT IN FAVOR OF GOVERNMENT OWNED SHIPS.

New York, August 22.- "American," says J. P. Morgan opposes United States Government's entry into the shipping business, but is understood to favor government purchase and lease to private operating

The Germans levy of \$40,000,000 on the people of Brussels is worthy of the best days of the rob

Montreal and Southern Counties Railway Company

TIME TABLE-MONTREAL AND ST. CESAIRE

| Daily Sun.Only. Daily. Daily

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THOS. BRUCE, Branch Manager. AGENCIES THROUGHOUT THE DOMIN

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FIRE INSURANCE SINCE A.D. 1833.

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Have Vacancies for a few good City Agents

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Agents wanted in unrepresented towns in C

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J. T. BETHUNE Managing Director. 605-606 TRANSPORTATION BUILDING

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since the war began, according to a trustee Mackay Corporation.