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RED BOOK**

1939

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with the names of the
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OF THE
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with the name of the
OWNER, CAPTAIN *and* ENGINEER

Complete Port Directory
Complete Shipyard Directory
Dimensions and Capacity of Bulk Freighters

Season of 1939

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To find the name of owner, captain or engineer, refer to the name of the vessel in the alphabetical list. Following the name of each vessel is a number. The number refers to the fleet to which the vessel belongs, and will be found preceding owner's name in fleet list. Shipyard Directory follows.

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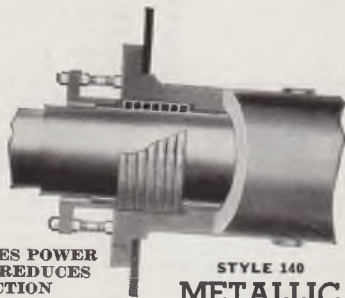
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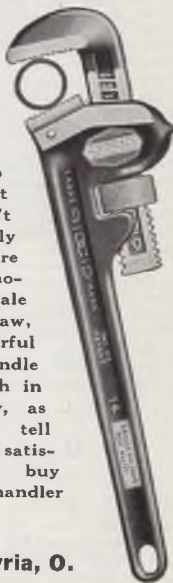
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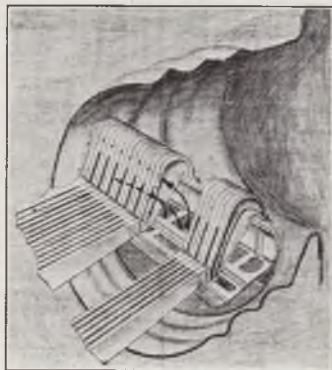
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Chief Engineer

6

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7

Arnold Transit Co., Mackinac Island, Mich. (Owner and Operator)

Elva	Not in commission.
D. P. Perry	
Mackinac Islander	Hillard Bentgen
	John Leahy

8

Arrow Steamship Ltd., 255 Bay st., Toronto, Ont. (Owner and Operator)

Robert P. Durham	Harry Finn
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9

**Ashley & Dustin Steamer Line, 170 First st., Detroit
(Owner and Operator)**

Put-in-Bay (passenger)	John N. Peterson	Edw. Gelnaw
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10

Automotive Trade Steamship Co., 210 Wayne st., Detroit (Owner)

T. J. McCarthy, President; John P. Ranahan, Vice President		
George H. Ingalls.....430-50-29	6,600	
Morris S. Tremaine.....430-50-29	6,600	John Koyen

Captain

Chief Engineer

11

**Barnett & Record Co., 429 North Fifth st., Superior, Wis.
(Owner and Operator)**

D. J. McKinnon, Agent

America (derrick scow).....	Emil Carlsen	Adolph Nelson
John E. Meyer (tug).....	Einar Miller	Henry Oestreich

12

Bay Quinte Transportation Co. Ltd., Picton, Ont. (Owner and Operator)

C. D. Wilson, Port Captain

Glen Allen	Ben Bowen	John G. Reid
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13

Bay Transportation Co., Sandusky, O. (Owner and Operator)

A. Kuebler Jr., President and General Manager

G. A. Boeckling	Otto Wyss	George Alheit
America (gas, screw).....	J. Kauffman	J. Kauffman

14

**Becker, Frank, Towing Co., 4103 W. Jefferson Ave., Detroit
(Owner and Operator)**

G. F. Becker (tug).....	
B. H. Becker (motor tug).....	

15

Bethlehem Transportation Corp., 2600 Terminal Tower, Cleveland (Operator)

F. C. Oakes, Manager; Albert H. Amhaus, Fleet engineer

Bethlehem Steel Co., Owner

No definite appointments made at the beginning of the season

Bethlehem	580-60-32	12,000	
Cambria	504-54-30	9,400	
Lackawanna	530-56-31	10,300	
Lebanon	530-56-31	10,300	V. Hosner.....W. J. Cunningham

Captain

Chief Engineer

Lehigh	525-55-31	10,000
Maryland	530-56-31	10,300
Saucon	549-56-31	10,500
Steelton	504-54-30	9,000

Fred Sturtevant E. H. Parry

Cambria Steamship Co., Owner

Daniel J. Morrell	580-58-32	11,500
Edw. Y. Townsend	580-58-32	11,500

Franklin Steamship Co., Owner

Edw. J. Berwind	586-62-32	12,300
Emory L. Ford	580-60-32	12,200
Fred G. Hartwell	596-64-33	13,000

Mahoning Steamship Co., Owner

William H. Donner	504-54-30	9,400
Leonard C. Hanna	504-54-30	9,400
Powell Stackhouse	504-54-30	9,400

Bison Steamship Corp. (See Fleet No. 18)

16 Blue Line Motorships Ltd., Harbour Commission Bldg., Toronto, Ont.

Blue Cross (m. v.)	C. C. Clattenburg	W. J. Pickard
Blue River (m. v.)	R. Bogie	S. E. Bonner

17 Bob-Lo Steamers, Inc., foot of Bates st., Detroit

(Owner and Operator)

(All vessels are ferries)

Britannia	not in operation	
Cadillac	not in operation	
Columbia	John J. Denstaedt	Edward Seymour

Captain

Chief Engineer

LaSalle	not in operation	
Pappoose	Robert C. Brown	Joseph Mark
Ste. Claire	Charles H. Anderson	Donald Reid

not in operation

Robert C. Brown Joseph Mark

Charles H. Anderson Donald Reid

18 Boland & Cornelius, Marine Trust Bldg., Buffalo (Operator)

Ray T. Carter, Marine Supt.
American Steamship Co., Owner

Achilles		
John J. Boland	480-52-30	8,200
(nee U. S. Gypsum)		

W. T. Black

J. T. Nicholson

Chas. McNally

Chas. Dowd

John J. Boland Jr.	356-50-28	5,500
Consumers Power	504-56-30	8,400
Adam E. Cornelius	420-52-28	6,800
Adam E. Cornelius Jr.	434-48-28	6,300
Diamond Alkali	504-56-30	8,400
Dow Chemical	510-54-30	8,100
Frank H. Goodyear	580-60-32	11,000
J. F. Schoellkopf Jr.	531-56-32	9,050

Jas. Heffernan

L. Bundschuh

Patrick Healy

Lloyd Averill

J. Jacobson

Sam Connors

Geo. Anderson

J. Lawrence

Even Solberg

Ted Cand

J. Montgomery

Dan Darcy

Jas. Herbert

Joseph Miller

Cement	440-56-29	8,000
Thunder Bay Quarries	480-54-31	8,100
(nee John J. Boland)		

L. W. Goudie

Percy Worden

James Healy

Frank McCarthy

U. S. Gypsum	504-56-30	8,400
(nee Thunder Bay Quarries)		

M. Walle

John Berg

Theo. H. Wickwire	444-56-28	8,000
Harry Yates	504-56-30	9,200

H. A. Stewart

Harold Goodwin

G. Carlson

John Cunningham

Captain

Chief Engineer

John Gehm	Bison Steamship Corp., Owner	251-44-21	3,200	Norman Anchor	C. W. Hollenbeck
John J. O'Hagan		251-44-21	3,200	H. L. Beauvais	Thomas Burke
Lake Chelan	Lake Chelan Steamship Co., Owner	252-44-18	2,800	William Russell	Frank Wetzel
19 Booth Fisheries Corp., 309 West Jackson st., Chicago (Owner and Operator)					
Nashville (tug)				H. Johnson	D. Lewis
New York (tug)				E. T. Tuttle	J. Wendling
20 Boyd, Harry H., 721 W. 3d st., Erie, Pa. (Owner and Operator)					
Liberty (tug)				Harry H. Boyd	

21 Bradley Transportation Co., Rogers City, Mich. (Owner and Operator)					
(All vessels are self-unloaders)					
Carl D. Bradley	615-65-33	12,000	F. F. Pearse	John S. Sparre	
Calcite	416-54-29	6,000	C. A. Thorsen	Chas. Frederick	
John G. Munson	530-60-32	9,500	C. A. Martin	Arthur Urdal	
T. W. Robinson	566-60-32	10,000	Crossley McQuinn	Guy LaBounty	
B. H. Taylor	530-60-32	9,500	Theo. Dahlburg	Thos. Suttle	
W. F. White	530-60-31	9,500	M. R. MacLean	J. A. Anderson	

22 British-American Oil Co. Ltd., Royal Bank Bldg., King and Yonge Sts., Toronto, Ont. (Operator)					
W. G. Smith, Superintendent					
Britamoil			W. F. Garrett	Geo. Bragg	
Britamolene			B. J. Zink	W. D. McCann	
Britamlube			D. M. Murphy	John Scott	

Captain

Chief Engineer

Britamoco			J. R. Anderson	J. Sweeting	
Britamette (m. v.)			C. O. Sensabaugh	G. S. Cleet	
23 Brown & Co., Chamber of Commerce Bldg., Buffalo (Operator)					
Brown Steamship Co., owner					
J. J. H. Brown	432-52-28	7,800	H. D. Sellon	Leroy Wilcox	
James E. McAlpine	432-52-28	7,800	R. H. Russell	Ray Hanel	
24 Brown, Worthy R. & Son, Inc., Lakeside, O. (Owner and Operator)					
William R. Brown, Port Captain					
Lakeside III (tug)			Jack Metz		
25 Bryson, C. W., 950 Rockefeller Bldg., Cleveland (Operator)					
Copper Steamship Co., Owner					
Marita	172-30-15	650	O. D. Collins	J. L. Scott	
India Navigation Co., Owner					
India (barge)	210-32-14	1,200	R. E. Moyer		

26 Buckeye Steamship Co., 1508 Rockefeller Bldg., Cleveland (Owner and Operator)					
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John T. Hutchinson, President

No definite appointments made at the beginning of the season.

Sir Wm. Fairbairn	414-46-28	5,900
Harry W. Hosford	506-50-28	8,000
Macbeth	376-46-26	5,500
Maid (barge)	376-48-26	6,100
Maghd (barge)	352-44-26	5,500
Mariposa	330-45-25	4,100
Maritana	330-45-25	4,100

Captain

Chief Engineer

Alex McDougall	414-50-27	6,000
Tristan	253-43-24	3,000
Tyrone (barge)	300-41-24	3,500
Andrew S. Upson	380-52-28	7,000

Buckeye Tankers Inc. (See Fleet No. 49)

27	Buffalo, City of, Department of Fire W. R. Castimore, Commissioner of Fire	
W. S. Grattan (steam fire tug)	Patrick J. Mullane	John J. Dee

28	Buffalo Gravel Corp., 19 Hudson St., Buffalo (Owner and Operator) Charles F. Strasmer Jr., General Manager	
Weston M. Carroll	Sherman S. Barnard	G. Eberly
Crescent	not in commission	
M. B. Fuller (tug)	not in commission	
Hyman	not in commission	
Lakewood	not in commission	
Victoria	not in commission	

29	Burke Towing & Salvage Co. Ltd., Midland, Ont. (Owner and Operator) Edward F. Burke, Captain	
Allan No. 2 (barge)	no appointments	
Arlington	Roderick Graham	Fred Gilbert
Fanny Arnold (tug)	Charles Malcolm	A. J. Ferguson
Salvus (barge)	William J. McLean	J. P. Horsfall

Cambria Steamship Co. (See Fleet No. 15)

Captain

Chief Engineer

30	Canada Atlantic Transit Co. of U. S., 384 St. James st., Montreal, Que. (Owner and Operator) R. B. Teakle, Manager	
Canatco	259-44-26	2,100
Dalwarnic	261-44-26	2,100
Kearsarge	350-44-27	3,000
Arthur Orr	353-41-25	2,600
	J. H. Fleming	A. W. H. Jensen

31	Canada Cement Transport Ltd., Canada Cement Bldg., Montreal, Que. (Owner and Operator) (Both vessels are self-unloaders)	
Bulkarier	253-43-25	E. L. Jenkins
Cementkarrier (el. m. v.)	253-43-20	E. Knudsen
		Wilson L. Emrick
		M. E. Fowler

31	Canada Steamship Lines Ltd., P. O. Box 100, Montreal, Que. (Owner and Operator) H. McClymont, Operating Manager Upper Lake Bulk Freighters	
Ashcroft	546-60-28	9,250
Collingwood	386-50-23	5,410
Donnacona	604-59-28	10,580
Emporer	525-56-27	7,900
Gleneagles	582-60-28	10,000
Goderich	480-54-26	7,500
Hagarty	536-58-27	8,800
Lemoyne	621-70-25	12,600
Osler	491-56-27	7,700
	P. McKay	H. Young
	Roy Burke	A. V. Smith
	James Reoch	C. Leriche
	J. A. Brown	I. J. Boynton
	D. W. Burke	George Price
	E. Walkinshaw	P. Eagles
	J. F. Davis	J. M. Kennedy
	C. E. Robinson	D. A. Sinclair
	A. F. MacLennan	M. Dedman

Prescott	494-50-24	7,500
Stadacona	582-60-28	10,100
Westmount	536-58-27	8,900

Upper Lake Package Freighters

Huronic	T. H. Johnston	H. H. Moore
Renvoyle	T. S. Patterson	H. Myler

Package Freighters

Beaverton	E. J. Shannon	D. J. Leslie
Calgarian	A. Allen	J. Brooks
Canadian	E. Corcoran	T. Nichols
City of Hamilton	J. A. Lepine	M. J. O'Brien
City of Kingston	J. A. Ferguson	M. J. Sherman
City of Montreal	N. Legault	H. Paus
City of Toronto	M. J. Corkey	A. P. Norris
City of Windsor	A. Francis	L. E. Spencer
Edmonton	Roy Anderson	A. J. O'Brien
Fernie	Alex Wilson	J. R. Naudie
Kenora	P. J. Stinson	Jas. Neilson
Lethbridge	W. J. Holler	R. W. Howes
Saskatoon	Thomas McLeod	F. Lumley
Selkirk	E. F. Raeburn	J. A. MacDonald
Weyburn	H. R. Baxter	R. H. Isbester
Winnipeg	H. A. Patterson	James Kirk

Lower Lake Bulk Freighters

Acadian	L. Prgent	J. A. Gunn
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56

Captain

Chief Engineer

Anticosti	
Barrie	
Dundas	
Elgin	
Fairmount	
Grainmotor (m. v.)	
Granby	
Hastings	
Kindersly	
Kinmount	
Knowlton	
Lanark	
Lennox	
Magog	
Mapleheath	
Mapleton	
Meaford	
Norfolk	
Oxford	
Penetang	
Sherbrooke	
Simcoe	
Starmount	
Donald Stewart	
Waterloo	

H. Laliberte	W. L. Hurder
E. Poirier	D. Pruder
C. E. Scott	J. Dyson
G. E. Stephens	W. E. Downing
George C. Kirk	E. C. Fleming
O. Prgent	M. Parry
J. G. R. Toupin	G. W. Clark
D. H. Porter	F. B. Bonnell
B. A. Sullivan	A. J. McChristie
L. Patenaude	J. Neville
E. A. George	J. Hamelin
A. Wilson	D. F. Lockwood
A. Bonin	J. Bennett
H. A. Leaney	E. L. Warner
A. J. Story	W. C. Winter
J. R. Lamarre	A. Meikle
W. J. Hore	W. J. McWilliam
D. Nolan	J. J. Smith
E. Griesbach	W. Coburn
N. J. Reoch	R. M. Bonnell
H. J. Clarke	M. Rankin
J. W. Scarrow	J. M. Clark
V. Chartier	M. Manner
G. Lefebvre	P. J. Rutherford

57

Captain

Chief Engineer

Winona	Northern Division	L. D. McLean	T. C. Heatley
Hamonic		Passenger Steamers	
Noronic		Wm. Taylor	J. G. MacHattie
		H. J. Aitken	J. W. McLeod
	Western Division	Passenger Steamers	
Cayuga		H. Webster	J. F. Henry
Kingston		B. A. Bongard	G. W. MacDonald
Toronto		H. Webster	D. J. Leslie

Self Unloaders

Coalhaven		T. J. Carson	J. B. Folding
Collier		L. G. Bird	J. J. Dove
Glenn		R. Belcher	J. Douglas
Midland Prince		P. Beatty	T. W. Verity

Eastern Division Passenger Steamers

Quebec		A. H. M. Waterlow	N. Peloquin
Rapids Prince		F. J. Cherry	E. Lenneville
Richelleu		C. A. Bedensieck	George Bourret

Saguenay		C. H. Burch	O. Peloquin
St. Lawrence		W. Gagne	N. Crepeau
Tadoussac			

Tree Line Navigation Co., Ltd.

Elmbay		J. Leblanc	Joseph B. Marchand
Sprucebay		John R. Montgomery	John A. Lentz
Teakbay		P. Morinville	Robert Gibson

Captain

Chief Engineer

32 Canadian Dredge & Dock Co., Ltd., 302 Harbour Commission Bldg., Toronto, Ont. (Owner and Operator)

A. M. German, General Manager
(All are tugs)

J. A. Cornett	Wilfred J. Hand	Wm. P. Johnston
Frank Dixon	F. Scott	R. W. Chetley
A. M. German	S. B. English	George Young
F. W. Grant	J. H. Gillem	Mat. Ryckman
Hector	not in commission	
A. M. Macaulay	Wm. Oates	Fred Chester
G. W. Rogers	H. Gehl	Joseph Hamley

33 Canadian Government, Department of Transport, Ottawa, Ont.

R. K. Smith, Director of Marine Service
Marine Service

Out of Prescott:		
Grenville	Murray Barry	George Jarrell
Out of Montreal:		
Argenteuil	Thomas Weir	Joseph Ranger
Safeguarder	J. E. Aussant	George Robidoux
Vercheres	V. Laforest	H. Robitaille
Out of Parry Sound:		
Murray Stewart	J. C. Patchell	G. Smallwood
St. Heliers	J. Ouellette	Roy W. Stewart

	Captain	Chief Engineer
River St. Lawrence Ship Channel Service		
Out of Sorel:		
Berthier	D. Beaudet	L. Salvail
Frontenac	U. Blais	F. Thuot
Jalobert	P. Gagnon	A. Godin

Canal Service
(All are tugs)

At Montreal:		
Lachine Canal	J. L. M. Gagne	J. A. Laliberte
LaValtrie	Ludovic Lacouture	Cleophas Houde
At Carillon canal:		
Carillon		Hilaire Lapierre
At Chambly canal:		
Chambly	Gaston Cayer	Athanase Garceau
At Cascades Point:		
Dandy	Narcisse Lafrance	Henri Seguin
At Cornwall:		
W. A. Bowden	C. Hart	F. Moyle
At Port Weller:		
Laviolette	J. J. Conlon	J. H. W. Mawdesley
Welland		
At Sault Ste. Marie:		
Batchawana		G. E. Coe
At Peterborough:		
Bessie Butler	H. Young	W. Gillman

	Captain	Chief Engineer
Bob Hall		G. Noyes
Katchiwana	W. Copperthwaite	R. Brotherstone
At Ottawa:		
Loretta	M. Egan	O. Seguin
Agnes P.	B. Ranger	J. Beaton

34 Canadian International Paper Co., Sun Life Bldg., Dominion Square,
Montreal, Que. (Owner and Operator)

(All are tugs)		
Aid	E. Poirier	J. Roy
Alligator Boyle	E. Kelly	E. Mathurin
Alligator Eadie	W. Marchand	Alexander Tessier
Alligator Quaile	A. Robitaille	John Jones
Alligator Serpent	W. Crites	T. Young
Atacas	P. Lemay	O. Poirier
Bush	O. Gauthier	R. Gauthier
Chelsea	Angus Allard	Lucien Cyr
T. E. Draper	George Smith	Philias Cere
J. A. H. Henderson	Alfred Ayotte	Claude Melancon
Laracina	E. Garvais	E. Paulette
No. 26	Albert Nadeau	Henry Bolster
G. H. Nottter	R. Pilon	L. Legault
Pickanock	W. Pilon	C. Cooke
Pythonga	Charles McIntosh	L. Ahe
Templeton	Lambert Pilon	G. Ross

	Captain	Chief Engineer
Wapus	W. Hebert	P. Hebert
Wilda	Lorne Gray	Arthur Gallaucher

**35 Canadian Lake Carriers, Ltd., 312 Power Bldg., Montreal, Que.
(Owner and Operator)**

Surewater	Capt. L. Beaupre, Marine Superintendent	
Trenora	W. N. Williams	S. Heather
Trevisa	P. V. Mahoney	E. Hudspeth
	E. M. Walsh	George Clark

36 Canadian National Railways, Windsor, Ont., (Owner and Operator)

Huron (car ferry)	R. B. Teakle, Manager	
C F. Lansdowne (car ferry)	not in commission	
See also Fleet No. 176	A. Baillargeon	William Belsom

**37 Canadian Pacific Car & Passenger Transfer Co., Ltd., Prescott, Ont.
(Owner and Operator)**

Prescotont (tug)	A. R. Henry	A. Stillson
Ogdensburg (car ferry)	A. R. Henry	A. Stillson

38 Canadian Pacific Railway Co., Montreal, Que. (Owner and Operator)

A. Gallagher, Superintendent, Great Lakes Steamships, Port McNicoll, Ont.		
Alberta	Jos. Bishop	D. W. Ramsay
Assiniboia	F. S. Middleton	W. S. Struthers
Athabasca	F. E. Logan	Geo. S. Rae
Keewatin	J. P. Pearson	Geo. D. Adam
Manitoba		W. F. Irvine

Captain Chief Engineer

39 Cargo Carriers Inc., 2809 Field Bldg., Chicago (Owner and Operator)

W. D. Rees	396-45-28 5,400
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40 Cement Transit Co., 1000 Midland Bldg., Cleveland (Owner and Operator)

Daniel McCool (m.v.)	144-33-15	W. J. Petrosky	Wm. R. Reardon
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**41 Chatham Dredging & General Contracting Co., Chatham, Ont.
(Owner and Operator)**

Aurelia (tug)		
Loo Loo (derrick scow)		
Wm. E. Rooney (tug)		
St. Clair (dipper dredge)		
John R. Stover (tug)	Charles Bergie	R. Lee

**42 Chicago, Duluth & Georgian Bay Transit Co., 2270 National Bank Bldg.,
Detroit (Owner and Operator)**

Alabama (passenger)	Morgan Edgcomb	G. E. Suckow
North American (passenger)	Richard A. Harreutt	C. T. Vermurlen
South American (passenger)	William T. Bright	H. J. Wilson

**43 Chicago Fire Department, City Hall, Chicago
(All are fireboats)**

Fred A. Busse	William McMahon	George McClane
Joseph Medill	Joseph Wright	Charles Dorow
	James Foster	Leslie Papineau
Graeme Stewart		Curtiss Kelly
	not in commission	

Captain

Chief Engineer

44	Chicago-Milwaukee Steamship Line, Navy Pier, Chicago (Operator)	
	Edward E. Taylor, Manager	
	City of Grand Rapids (passenger).....	O. C. Bjork.....John Golden
45	Chicago Roosevelt Steamship Co., 131 River st., Chicago	
	(Owner and Operator)	
	J. E. Thiell, Vice President and General Manager	
	Theodore Roosevelt (passenger).....	H. J. Delatre.....Joseph Peroutka
46	Christiansen, H., & Sons, Duluth (Owner and Operator)	
	Martin Christiansen, Port Captain	
	Winyah	M. Christiansen.....Roy Oss
47	Cleveland & Buffalo Transit Co., East 9th st. pier, Cleveland	
	(Owner and Operator)	
	J. H. McCallum, Purchasing Agent	
	(All are passenger vessels)	
	City of Erie	not in commission
	Goodtime	not in commission
	Seelandbee	Alan Strachan.....Wm. Robinson
48	Cleveland-Cliffs Iron Co., 1460 Union Trust Bldg., Cleveland, O. (Operator)	
	Cleveland-Cliffs Steamship Co., owner	
	A. E. R. Schneider, Manager Marine Department	
	C. O. Rydholm, Fleet Captain; James H. Durkin, Fleet Engineer	
	No definite appointments at beginning of season	
	Cadillac	380-50-28 5,900
	Frontenac	580-60-32 10,800
	Grand Island	480-52-30 8,100

Captain

Chief Engineer

Hennepin	504-54-30	8,900
Ishpeming	530-56-31	9,500
Joliet	504-54-30	8,900
LaSalle	530-56-32	9,600
Marquette	420-52-29	6,800
William G. Mather.....	592-62-32	11,500
Michigan	530-56-31	9,500
Munising	380-50-28	5,900
Negaunee	380-50-28	5,700
Pioneer	504-54-31	8,900
Pontiac	580-60-32	10,800
J. H. Sheadle	513-60-31	9,500
	Fontana Steamship Co. (owner)	
Colonel	356-50-28	5,500
Yosemite	356-50-28	5,500
	Presque Isle Transportation Co. (owner)	
Angeline	414-50-28	6,500
Presque Isle	406-50-28	6,000
Peter White	504-54-30	8,700
	Schneider Transportation Co. (owner)	
Cletus Schneider	360-50-28	5,500
Pam Schneider	360-50-28	5,500
	Progress Steamship Co. (owner)	
Fontana	356-50-28	

	Captain	Chief Engineer
49	Cleveland Tankers Inc., Standard Bldg., Cleveland (Operator) A. P. Byal, Manager; L. M. Jonassen, Port Captain (All vessels are tankers)	
	(Marine Tankers Inc., Cleveland, owner)	
Comet	L. U. Picard.....	William Klaas
	(Allied Oil Transport Co. Inc., Cleveland, owner)	
Crudoil	M. B. Shambleau.....	Walter Carlson
	(Buckeye Tankers Inc., Cleveland, owner)	
General Markham	F. H. Robbins.....	Calvin Radike
	(Tankers Inc., Cleveland, owner)	
Mercury (m.v.)	J. C. McCauley.....	B. H. Carley
50	Clow & Nicholson Transportation Co., Duluth (Owner and Operator)	
Montauk	B. J. Roberts.....	J. A. Weber
51	Coal Carriers Corp. Ltd., 12 King St. East, Brockville, Ont. (Owner and Operator) N. W. Howard, Director	
Coalfax	R. A. Wright.....	Bernard Langan
	Colonial Steamships Ltd. (See Fleet No. 222)	
	Columbia Transportation Co. (See Fleet No. 185)	
52	Connelly Bros., 165 Ohio st., Buffalo (Owner and Operator)	
Connelly Bros. No. 1 (tug).....		Robert Sors

	Captain	Chief Engineer
53	Consolidated Dredging Ltd., 900 Victoria Bldg., Ottawa, Ont. (Owner and Operator) Appointments not made.	
Thomas Fisher (tug)		
Minnie (tug)		
J. D. Morrison (tug)		
Reginald (tug)		
Roger M. (tug)		
Strathbungo (tug)		
E. C. Whalen (tug)		
	Consolidated Steamship Co. (See Fleet No. 244)	
	Consolidated Water Power & Paper Co. (See Fleet No. 175)	
54	Constans-Duluth Marine Co., Duluth (Owner and Operator) N. M. Constans, Manager	
Simon Clark (tug)	Emil Gustafson	
Constans (tug)		
55	Construction Aggregates Co., 33 No. La Salle St., Chicago (Owner and Operator)	
L. L. Barth (barge)	no appointments	
Freedom (tug)		
Robt. E. Johnston (tug)		
Liberty (tug)		
	Midwest Vessel Corp., Cleveland (Owner)	
Sandcraft	John Gusland.....	A. Wirth

	Captain	Chief Engineer
Sandmaster (m.v.)	Alf. Jonassen.....	R. W. Miller
J. R. Sensibar (el. m.v.).....	not in commission	

Continental Steamship Co. (See Fleet No. 244)

Copper Steamship Co. (See Fleet No. 25)

56	Couture Fish Co., Earl, Ontonagon, Mich. (Owner and Operator)	
Nellie Cotton (tug)	not in operation	
Eagle (tug)	Earl Couture.....	George Toushak
57	Couture, Russel T., Fisheries, Ontonagon, Mich. (Owner and Operator)	
Chattanooga	Russel T. Couture....	Raymond Jenkins
58	*Cox, Charles W., Ltd., Port Arthur, Ont.	
Bayfield (tug)		

59	Crystal Beach Transit Co. Inc., Foot of Commercial st., Buffalo (Owner and Operator)	
	George C. Hall, President; Harry S. Hall, General Manager	
Canadiana (passenger)	William Brooks	James Linton

60	Cullnan & Walsh, 1909 Newport Ave., Chicago (Owner and Operator)	
	P. J. Cullnan, Port Captain	
Fred A. Britten (tug)	P. J. Cullnan.....	J. Hendirxson
Josephine (tug)	P. J. Cullnan, Jr.....	P. W. Walsh

S. S. Cyclo-Chief Ltd. (See Fleet No. 152)
 S. S. Cyclo-Warrior Ltd. (See Fleet No. 152)
 Dalfousie Navigation Co. (See Fleet No. 176)
 Dark Tug Line (See Fleet No. 223)

	Captain	Chief Engineer
61	Daryaw, Capt. Henry, 30 Rideau st., Kingston, Ont. (Owner and Operator)	
Henry C. Daryaw.....	M. Siddell	Benoit Garrah
M. Sicken	not in commission	

62	Davidson, James E., Foot of Randolph st., Bay City, Mich. (Operator)	
	Salzburg Transportation Co., Owner	
Gramplan (schooner)	not in commission	

63	*Davidson Steamship Co., Duluth (Owner and Operator)	
Chieftain (schooner)		
Cottonwood		
Lake George		
Montezuma (schooner)		
Sacramento (schooner)		

64	Detroit, City of, Fire Department, 3434 Russell st., Detroit (Owner and Operator)	
	Edward C. Rumsey, Port Engineer	
James Battle* (fire tug)	Gilbert Townsend.....	Harry Warner
	John McIntosh.....	Herman Brehmer
John Kendall (fire tug)	Hubert Skiffington.....	James Roach
	Chas. Jagenow.....	Lloyd Bargy

65	Detroit & Cleveland Navigation Co., Wayne st., Detroit (Operator)	
	James T. McMillan, President	
	Detroit & Cleveland Navigation Co., owner	
	(All are passenger vessels)	
City of Cleveland III.....	William McDonald.....	Albert Murphy

	Captain	Chief Engineer
City of Detroit III.....	Alfred J. Palmer.....	Otto Kuck
Eastern States	Donald McRae	Walter H. Traxler
Greater Buffalo	Lee C. De Nike.....	M. E. Sickelsteel
Greater Detroit	John A. Hyatt.....	Andrew Carter
Western States	L. C. Mantel.....	J. Leonard Nattress

Detroit & Cleveland Steamship Co., owner
Wm. F. Fitch346-48-28..... Elton A. Cahours.....J. H. Meno

T. J. McCarthy Steamship Co., owner
George W. Mead.....387-50-29..... T. R. Miller.....Ellis Solway

66 Detroit & Georgian Bay Navigation Co. Ltd. (Seaway Lines)
133 Griswold St., Detroit (Operator)

Georgian (passenger)	Ernest Long	T. Dennison
Virginia (passenger)	J. H. Clarke.....	G. Semsky

67 Detroit Tug Line, 8145 Medina St., Detroit (Owner and Operator)
R. G. Candler, Manager

B. E. West (tug)	B. E. West.....	Paul Gagne
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68 Dolomite Marine Corp., Rochester, N. Y. (Owner and Operator)
J. H. Odenbach, President

Dolomite No. 1 (m.v.)		
Dolomite No. 2 (m.v.)	A. Anderson.....	H. Roundy
Dolomite No. 3 (m.v.)		
Dolomite No. 4 (m.v.)	F. Swenson.....	Fred Mertz

Captain Chief Engineer

69 Dominion Tankers Ltd., Victory Bldg., Toronto, Ont. (Operator)
J. H. Solery, Manager

Peter G. Campbell (m.v.).....	W. K. S. Hines	S. Fratson
John A. McDougald	F. F. Foote	W. J. Wells

70 Dominion Transportation Co. Ltd., Owen Sound, Ont. (Operator and Owner)
Ivor Wagner, Port Captain

Caribou	A. A. Batten	J. Glover
Manitou	H. McNeill	A. Glendenning

(Operating joint sailings with Owen Sound Transportation Co. Ltd. (See Fleet No. 191))

71 Driftwood Lands & Timber Ltd., 615 Public Utilities Bldg., Port Arthur, Ont. (Owner and Operator)

	George Hindman, Port Captain	
Delkote (barge)	George Henderson	George Robinson
Mitschibre (barge)	John McKay	Theodore Ramesbotton
Sulphite (tug)	Charles Lynn.....	Charles Randle
		William Dixon
Sidney G. Thomas (barge).....	Manuel Watson	Harry Charlton

72 Duluth, Missabe & Iron Range Railway Co., Duluth (Owner and Operator)

Edna G. (tug)	H. F. Brower	Fabien Poulin
	H. Johnson	G. DaMour
	J. Pinney	J. LeClair

Duluth Steamship Co. (See Fleet No. 244)

Captain

Chief Engineer

73 **Duluth-Superior Dredging Co., Duluth (Owner and Operator)**
 Gladiator (tug) Einer Miller Archie Scott
 Warrior (tug)

74 **Dunbar & Sullivan Dredging Co., Buffalo (Operator)**
 Dunbar & Sullivan Dredging Co., Detroit, owner
 R. H. Goode (tug) Ed. Bebeau Charles Anderson
 Sachem (tug) William Ziem James Bainbridge
 Shaughraun (tug) J. Recor Ed. Thrombley
 Shaun Rhue (tug) J. H. McLean William Shewfelt

Eastern Steamship Co. (See Fleet No. 105)

Ecorse Transit Co. (See Fleet No. 177)

75 **Eldridge & Robinson, Auburn, N. Y. (Owner and Operator)**
 Empire (diesel tug) Roy Carter Warren Smith

76 **Emery, W. L., foot of Mt. Elliott ave., Detroit (Owner and Operator)**
 W. C. Schippert, Manager
 John R. Emery Delos Laffrey Leon Bourlier

77 **England Towing Co., Duluth (Owner and Operator)**
 M. A. Poliquin, Manager
 Adele (barge) William Lourence
 A. W. Colton (tug) N. F. Thompson Jack Hanson
 Frank Neston (tug) F. E. Gregorie Clarence Chappe

Captain

Chief Engineer

78 **Erie Isles Ferry Co., Put-in-Bay, O. (Owner and Operator)**
 Capt. A. J. Stoll, Manager
 Erie Isles A. J. Stoll Oscar Bertch

79 **Erie & St. Lawrence Corp., 19 Rector St., New York (Owner and Operator)**
 Julius H. Barnes, President
 Andrew M. Barnes (m.v.) Harry E. Freeman Henry Mikkelsen
 Richard J. Barnes (m.v.) Peter Drawneek Charles E. Hansen
 Alden Barnes Fiertz (m.v.) Fred Waldman Elmer Birdsall
 Robert Barnes Fiertz (m.v.) Alex. J. Prince M. Mattson

80 **Erie Sand & Gravel Co., foot of Sassafras st., Erie, Pa. (Owner and Operator)**
 J. S. St. John, General Manager and Superintendent
 Erie not in commission
 F. C. Osborn E. Recker A. Roberts
 Jos. S. Scobell L. Faulhaber H. Mulightner

81 **Erie Steamship Co., foot of E. 40th st., Cleveland (Owner and Operator)**
 Myron L. DeVenne, President and General Manager
 South Park 366-45-26 Clyde M. Tobin Henry Lozen

82 **Federal Motorship Corp., 1602 Marine Trust Bldg., Buffalo (Owner and Operator)**
 Badger State (m.v.) Edward D. Starkey J. Davis
 Buckeye State (m.v.) William H. McQuivey B. D. Tarr
 Empire State (m.v.) William Lansing Wm. Post

	Captain	Chief Engineer
83	Fitzsimons & Connell Dredge & Dock Co., 10 S. LaSalle St., Chicago (Owner and Operator) John J. Roche, General Superintendent	
Charles J. Connell (tug)	Domnick Barrett	John Lyons
Francis M. Connell (diesel tug)	Art Peterson, operator	
P. G. Connell Jr. (diesel tug)	E. J. Allie, operator	
E. James Fucik (tug)	John Murphy	Alec Gallagher
LaSalle (tug)	Con Shoper	George Johnson
John T. Lillis (diesel tug)	Al Nolan	Fred Knudsen
Nassau (sand boat)	Carl Larson	Joseph Warner
84	Fiveson, Arthur, Alpena, Mich. (Owner and Operator)	
Falcon (tug)		
	Fontana Steamship Co. (See Fleet No. 48)	
85	Foote Transit Co. Ltd., 68 King street, East, Toronto, Ont. (Operator) Capt. J. B. Foote, owner	
F. V. Massey	Frank P. McCarthy	R. H. Plunkett
86	Ford Motor Co., Rouge plant, Dearborn, Mich. (Owner and Operator) Capt. O. A. Johnson, Marine Superintendent	
Benson Ford (m.v.) 586-62-32 11,000	Andrew Pedersen	G. S'. Bernard
Henry Ford II (m.v.) 592-62-32 11,200	J. J. Pearce	Alex Ingram
Barralton (tug)	D. D. Brown	H. Culp
Buttercup (tug)	Sven Fagerstrom	A. Stanton
Dearborn (tug)	H. V. Herrick	S. Horvath
	A. John P.	L. Ewell

	Captain	Chief Engineer
Lake Pleasant (barge)	A. Keeping	F. Esordi
No appointments made for tugs Barlow and Humrick, and barges Lake Allen, Lake Crystal, Lake Farge, Lake Folcroft, Lake Frugality, Lake Frumet, Lake Hemlock, Lake Inaha, Lake Louise, Lake Sapor, and Lake Freeland.		
New York barge canal service		
Chester	S. Inch	J. Hidden
Edgewater	B. Olsen	G. Pedersen
Green Island (m.v.)	O. Meling	P. Raftery
Norfolk (m.v.)	R. G. Cumming	E. Burkey

Franklin Steamship Co. (See Fleet No. 15)

87	Garriock, Wm., Port Arthur, Ont. (Owner and Operator)	
Glen G.	William Garriock	David Wear
(nee Hollis M.)		

Gartland Steamship Co. (See Fleet No. 239)

88	Geistman Steamship Co., Duluth, Minn. For listing of vessels see Fleet No. 134.	
89	Georgian Bay Tourist Co. of Midland Ltd., Midland, Ont. (Owner and Operator)	
City of Dover	W. Martin	A. Moreau
Midland City (m.v.)	E. Mackie	A. Warner
Waterbus	D. McGrattan	

90	Gilbert, John H., 920 First st., Sandusky, O. (Owner and Operator)	
Tourist (diesel tug)	Jesse Brooks	John H. Gilbert

	Captain	Chief Engineer
91	Gillen, Edward E. Towing Co., 626 East Wisconsin ave., Milwaukee (Owner and Operator)	
	Ernest E. Beauvais (tug)	John Lenz
	Edward E. Gillen (tug)	A. Jacobson
	S. C. Peters (tug)	Henry Marth

Globe Steamship Corp. (See Fleet No. 244)

Gotham Marine Corp. (See Fleet No. 178)

92	Grand Trunk Milwaukee Car Ferry Co., 1825 S. Allis st., Milwaukee (Owner and Operator)	
	R. M. Bloecker, Supt. of Lake Michigan Car Ferries (All are car ferries)	
	City of Grand Haven	no appointments
	City of Grand Rapids	James G. Thorpe
	City of Milwaukee	Roland Martin
	Madison	Walter Braithwaite
		Joseph Shunteck
		Edward E. Luke
		James MacKenzie

93	Gravel Products Co., 99 Miami street, Buffalo (Owner and Operator)	
	Niagara	Thos. N. Hefferman
		Harry Raines

94	Great Lakes Dredge & Dock Co., 122 S. Michigan ave., Chicago (Owner and Operator)	
	Paul W. Dickinson, General Manager	
	The following are tugs:	
	James H. Cassidy	J. Eskeland
	John F. Cushing	F. E. Snider
	E. C. Dempsey	N. Merrill
		W. Weber
		M. Welch
		W. Whaley

	Captain	Chief Engineer
P. W. Dickinson	William Mattick	F. LaForge
William P. Feeley	R. Bishop	P. Meyers
Andrew H. Green	C. Schoper	C. Runyan
Martin G. Hausler Jr.	William Angell	Michael Cross
Hudson	G. Hague	B. Johnson
William H. Kinch	W. Farrell	J. Dickson
William A. Lydon	A. V. Ellis	A. Smith
John A. McCormick	William Jantze	H. Terrier
Harry McGinnis	A. Armstrong	
Marion	B. Farrell	William Good
Martha C.	R. Laurie	H. Hanger
Mary C.	J. Shea	O. Nordquist
Oscar F. Mayer	L. Taylor	P. Smith
Jas. J. Murray		
L. P. Smith		
Harry B. Williams	R. Church	H. Mullen
John R. Williams	M. Bishop	J. Williams
	William Ulrich	J. LaCoy

The following are dredges:

Columbia	O. Kutzner	A. Aspen
Crest	L. E. Bouchard	C. P. Sheltman
Illinois	F. Crosson	J. Unsinn
Indiana	N. Paulin	F. Brewer
Junior	J. Canan	D. Sheehan
Majestic	J. Frea	F. Schuyler
Michigan	P. Green	Fred Drummer

Mogul
 New Jersey
 New York
 Ohio
 Scout
 Turbo
 War Horse
 B-7
 M-9
 No. 54
 No. 55
 No. 56

Captain

W. Parrish
 M. Roberts
 E. Ludvigson
 F. A. Crosson

Chief Engineer

J. Hoynosh
 S. Smith
 G. Harvey
 S. Miller

R. Richard
 R. Selvick
 L. Cowan
 A. Munson
 J. Kirchmaier
 J. Hoehnan
 V. Jones

C. Peterson
 M. Welsh
 J. Prout
 J. Pellow
 S. Lund
 H. Marquette
 H. Krieg

95 Great Lakes Engineering Works, River Rouge (Detroit) Mich.

Ecorse (tug) Paul Kohn William Berridge

96 Great Lakes Steamship Co. Inc., 1548 Rockefeller Bldg., Cleveland (Owner and Operator)

J. Burton Ayers, Manager; Henry Cowan, Fleet Engineer
 No definite appointments made at the beginning of the season.

Belgium 370-48-28 5,500
 John B. Cowle 525-58-31 9,800
 Denmark 440-56-28 8,000
 John Dunn Jr. 504-58-30 9,400
 J. F. Durston 432-52-28 7,100
 Finland 549-56-31 9,800
 Chas. Hubbard 438-52-28 7,100

Captain

Chief Engineer

Geo. B. Leonard 380-50-28 5,700
 A. E. Nettleton 525-55-31 9,300
 Norway 504-58-30 9,400
 Wm. Nottingham 380-50-28 5,700
 B. Lyman Smith 380-50-28 5,700
 Hurbut W. Smith 414-50-28 6,400
 Lyman C. Smith 525-55-31 9,300
 Monroe C. Smith 380-50-28 5,700
 Wilbert L. Smith 380-50-28 5,700
 Sweden 414-50-28 6,400
 Smith Thompson 432-52-28 7,100
 Horace S. Wilkinson 580-60-32 11,200

97 Great Lakes Towing Co., 1800 Terminal Tower, Cleveland

(Owner and Operator)

The company deems it impractical to announce appointments for the reason they are largely made by local managers at various ports and tugs are double and triple-crewed. The company's fleet includes:

Tugs Alabama, Alpena, America, Arizona, Arkansas, Ashtabula, California, Colorado, Connecticut, Delaware, Dunkirk, Fairport, Favorite, Florida, Frank W., Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Lorain, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Racine, R. P. Reidenbach, Rhode Island, L. C. Sabin, Sandusky, Tennessee, Texas, Toledo, Utah, Vermont, Virginia, Washington,

Captain

Chief Engineer

Waukegan, Wisconsin, Wyoming, Yale.

Lighters T. F. Newman, Pontoon, Reliance, Relief, Rescue, Resolute.

98 Great Lakes Transit Corp., 223 Erie st., P. O. Box 987, Buffalo (Owner and Operator)

W. W. Atterbury	Alex McKenzie	Charles J. Wilson
W. J. Conners	T. Stevenson	John T. Graham
P. E. Crowley	A. W. Hayden	A. B. McArthur
J. M. Davis	P. Ebisch	C. Wesley
Duluth	A. J. McPherson	George Broad
C. T. Jaffray	W. S. MacDonald	William Shaw
H. A. Scandrett	J. Donahue	John Eckert
Alfred H. Smith	George J. Healy	A. Liston

Package freighters Edward Chambers, George D. Dixon, J. E. Gorman, Edward E. Loomis, Milwaukee, Sargent, F. D. Underwood, Utica and Daniel Willard, and passenger steamers Juniata, Octorara and Tionesta not in commission.

99 Great Lakes Transport Corp., 3112 Book Tower, Detroit (Owner and Operator)

Fueloil (barge)		
Mexoil	Nelson Gonyaw	John Mathews
Panoil	C. V. Nissen	Shirley Thompson

100 Gulf & Lake Navigation Co. Ltd., 417 St. Peter st., Montreal, Que. (Owner and Operator)

R. A. Carter, General Manager

Birchton	C. A. Deschenes	R. J. Ascah
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Captain

Chief Engineer

Cedarton	W. L. Mahaney	R. James
Oakton	A. E. Brown	J. H. Robinson

101 Gulf Oil Corp., Marine Dept., 17 Battery pl., New York (Owner and Operator)

Willard F. Jones, General Manager

Paratex	H. Solberg	L. Spring
Regent	J. F. Erbse	L. P. Benjamin

102 Hackett Towing Co., Quebec (Owner and Operator)

C. A. B. (tug)	John Simard	A. Dionne
Willie W. (tug)	A. Duchene	A. Samson

103 Hadley's Chatham Ltd., 47 Wellington st., Chatham, Ont.

Charles S. Hadley, President and General Manager

Yeldah II	H. Corbitt	S. Edwards
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104 Hall Corp. of Canada, 360 Place Royale, Montreal, Que. (Owner and Operator)

A. Hutchinson, Secretary; H. Lamoureux, Superintending Engineer

Coniscliffe	E. Groulx	J. Boutin
Eaglescliffe	R. Sinclair	A. E. House
Geo. L. Eaton	A. Barrett	Geo. B. Fleming
Meadcliffe	L. Mongrain	P. Bolduc
Mont Louis	T. Marchand	A. Baribeau
John H. Price	T. L. Davis	J. Dunn
Walter B. Reynolds	Geo. Dorais	A. Bibeau
Rockliffe	W. M. Bowen	W. H. Lamoureux

	Captain	Chief Engineer
Westcliffe	M. H. Robson	W. Covey
Salvage operations are under way on steamer Aycliffe, sunk.		

105 Hanna, M. A., Co., Leader Bldg., Cleveland (Operator)
(Eastern Steamship Co.)

Joseph Wood.....	504-54-30	9,000	W. J. Lane	E. W. Scott
			(LaBelle Steamship Co., owner)	
LaBelle	504-54-30	8,800	R. F. Leng	A. C. Barnes
			(National Steel Corp., owner)	
Carle C. Conway.....	532-56-31	9,700	George Levis	J. Watt
George R. Fink.....	532-56-31	9,600	A. H. Hartman	R. V. Shinskey
A. E. Heekin.....	525-58-31	9,800	J. M. Brines	A. Farquhar
L. W. Hill.....	525-58-31	9,800	S. Sexsmith	A. M. Robertson
Edmund W. Mudge	504-54-30	9,100	G. C. Hibbard	F. J. Auttersen
David M. Weir.....	532-56-31	9,600	M. M. Stewart.....	S. E. Atkinson
Ernest T. Weir.....	580-60-32	11,000	G. D. Tulian	J. D. Summerville
J. C. Williams.....	525-55-31	9,300	F. A. Colson	R. M. Akerley
			(Virginia Steamship Co., owner)	
W. D. Crawford	504-54-31	8,800	W. R. Maitland	H. A. Clark

106 Harris, Ralph, Scudder, Ont. (Owner and Operator)

Pelee	J. N. Sheats	J. R. Ferguson
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107 Harrison, John & Sons Co., Ltd., 1417 Second ave. W., Owen Sound, Ont. (Owner and Operator)

Harrison (tug)	F. J. Waugh	George Robinson
Michigan (lighter)	Roy M. Gregor	Bert Morrison
Northern (tug)	Charles Lynn	James Nichol

Captain

Chief Engineer

108 Henning, A., Port Burwell, Ont., (Owner and Operator)

Brown Brothers (tug)	A. Henning	I. Shaw
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109 Hintze, Edward, 514 Springland ave., Michigan City, Ind. (Owner and Operator)

Skater	no appointments
Anna C. Wilson	E. Hintze

110 Hintze, Fred, 2814 N. Maplewood ave., Chicago (Owner and Operator)

North Shore	Fred Hintze Jr.....	John Hintze
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111 Huntsville Lake of Bays & Lake Simcoe Nav. Co. Ltd., Huntsville, Ont. (Owner and Operator)

(These steamers are operated only in inland lakes, Muskoka district)

Algonquin	Robt. J. Parsons	John T. Smith
Bigwin	W. H. Elder	Robert J. Smith
Iroquois	A. E. Pink	W. G. Murray
Mohawk Belle	no appointments made	
Romona	no appointments made	

112 Huron Transportation Co., 1325 Ford Bldg., Detroit (Owner and Operator)

P. H. Townsend, Port Captain				
John W. Boardman	334-55-28	5,600	Thompson Campbell . . .	Walter Kammer
S. T. Crapo	384-60-29	7,200	Donald McLachlan	Charles Fritz
Samuel Mitchell	293-40-25	2,700	not in commission	

113 Hutchinson & Co., 1508 Rockefeller Bldg., Cleveland (Operator)

118	Inland Steel Co., owner; Anton Rud, fleet engineer			
Joseph Block	549-56-31	10,000	F. A. Tomlin.....	Alan Seelye

			Captain	Chief Engineer
L. E. Block	596-64-33	12,500	Jos. Matthews	W. B. Rowe
Philip D. Block	580-60-32	10,800	A. A. Clarke	Frank Lang
N. F. Leopold	532-56-31	9,900	H. H. Kizer	A. A. Wolf

Pioneer Steamship Co., owner

No definite appointments made at the beginning of the season

Amazon	376-46-26	5,700
J. S. Ashley	504-54-30	9,000
A. A. Augustus	504-54-30	8,900
Frank Billings	444-56-30	8,000
W. D. Calverley Jr.	380-50-28	5,900
S. B. Coolidge	376-48-26	5,900
James E. Ferris	444-56-30	8,000
Donald B. Gillies	525-55-31	9,600
C. L. Hutchinson	580-58-32	10,600
W. H. McGean	480-56-30	8,900
Price McKinney	432-54-28	7,400
John S. Manuel	444-56-30	8,000
Martin Mullen	416-50-28	6,500
Wm. A. Paine	480-52-30	8,000
John Stanton	504-54-30	8,900
J. J. Sullivan	532-56-31	9,900
David P. Thompson	554-58-32	10,200
G. A. Tomlinson	504-54-30	8,900
James P. Walsh	480-52-30	8,000

84

	Captain	Chief Engineer
114 Illinois Ship & Dredge Co., 222 West Adams st., Chicago (Owner and Operator)		
Brazil (hyd. sand boat)		

115 Imperial Oil Shipping Co. Ltd., Imperial Oil Bldg., Toronto, 2, Ont. (Owner and Operator) R. J. Rahlves, Manager		
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Acadialite	J. E. Jenkins	G. Vollick
Icolite	R. Knight	F. Pringle
Icoma	J. Hefford	S. H. Phillips
Imperoyal	O. D. Williamson	R. D. Knox
Ottawalite	F. C. Smith	W. Sinclair
Rideaulite	H. L. Thomas	S. Slauenwhite
Royalite	J. Vickers	J. J. Hoiler
Sarnolite	E. A. Davies	A. Smith
Simcolite	H. Davidson	J. Bulmer
Talaralite	W. G. Kent	J. Maxwell
Windsolite	C. R. Dyon	W. R. Oakes

85

India Navigation Co. (See Fleet No. 25)

116 Inland Lines Ltd., Grain Exchange, Winnipeg, Man. (Owner and Operator)		
Damia	K. LaRush	Frank Collier
Saracen	A. C. Clarry	J. E. Drake

Inland Steel Co. (See Fleet No. 113)

Interlake Steamship Co. (See Fleet No. 198)

	Captain	Chief Engineer
117	International Harvester Co., 180 N. Michigan ave., Chicago (Owner and Operator) H. F. Hughes, Assistant Manager	
The Harvester	525-58-31 10,000	J. L. Young
The International	586-60-32 11,100	J. B. Routhier
118	International Transit Co., Sault Ste. Marie, Ont. (Owner and Operator) P. Martin, Port Captain	
Agoming	J. B. Rintoul	Grant M. Harrison
	Gordon Harrison	M. Caufield
119	International Waterways Navigation Co. Ltd., 635 Common st., Montreal, Que. (Owner and Operator) R. A. Campbell, Manager	
International	Inter Ocean Steamship Co. (See Fleet No. 244) Interstate Steamship Co., 815 Rockefeller Bldg., Cleveland (Owner and Operator) R. W. England, Marine Manager; A. J. Reimer, Lake Traffic Manager B. F. Jones 530-56-31 9,700 L. J. Dufenhorst C. H. Cosnett Willis L. King 580-58-32 11,000 F. N. Watts George Grunthaner James Laughlin 530-56-31 9,700 George M. Swails James Pearson Thomas Walters 580-58-32 11,000 M. G. Allen C. L. Irish S. S. John Irwin Ltd. (See Fleet No. 152) Island Transportation Co. (See Fleet No. 124)	

	Captain	Chief Engineer
121	Janin, A., & Co. Ltd., 1460 W. Sherbrooke st., Montreal, Que. (Owner and Operator) A. E. Gibson (tug) not in commission Claire Janin (tug) not in commission	
122	*Johnston, Tom, Gravel Co. Ltd., Grand Haven, Mich. (Owner and Operator) General (tug) Henry Face Robert Collins Senniece (tug) William Noantay Arthur Landal Stamina (tug)	
123	Jupiter Steamship Co., 317 Rockefeller Bldg., Cleveland (Owner and Operator) W. C. Secord, Manager Jupiter 346-48-28 4,900 F. C. Premo H. B. Muhlitner	
124	Keightley, (Miss) E. M., and Joseph Fitzpatrick, St. Ignace, Mich. (Operator) (Island Transportation Co.) (Owner) Algomah II William Schepler James Sherry	
125	Kelley Island Lime & Transport Co. Sandusky, O. (Owner and Operator) Hydro Irving Ohlemacher Oscar Noak Kelley Island J. C. Ingwersen S. A. Furst John M. McKerchey Robert Donaldsen E. L. Hurlburt See also Fleet No. 3	
126	Keystone Transports Ltd., 312 Power Bldg., Montreal, Que. (Owner and Operator) Capt. L. Beaupre, Marine Superintendent Keybar W. V. Smith R. Garriock	

Keybell
 Keydon
 (nee Swiftwater)
 Keyholt
 (nee Stillwater)
 Keymont
 (nee Deepwater)
 Keynor
 Keyport
 Keystone
 Keyvive
 Keywest

Kinsman Transit Co. (See Fleet No. 238)

127 **Kishman Fish Co., Vermillion, O. (Owner and Operator)**
 H. B. Kishman (tug)
 Lester K. (tug)
 Mary F. (tug)
 Neptune (tug)

128 **Koenig Transportation Co., 1480 Gratiot ave., Detroit (Owner and Operator)**
 George J. Fredericks, Port Captain
 not in commission

Peter Koenig
 129 **Kolbe Fisheries Co., Erie, Pa. (Owner and Operator)**
 M. A. Tucker, Manager
 (All are tugs)

Acipson Karl Fratus

Captain **Chief Engineer**
 W. A. Davis F. Gould
 E. F. Anderson T. Harrison
 J. E. McLeod C. J. Charlesworth
 Wm. J. H. Brown M. Bechervaise
 S. G. Williamson James Boak
 E. Davidson L. Nordnes
 E. J. Smith D. Annand
 George Brown George Baker
 W. Coffin A. H. Horton

Charles L.
 Wm. H. Jackway
 Martha B.
 Marvet H.
 Merle J.
 Peggy Ann
 Sea Bird
 Tommy T.

Captain **Chief Engineer**
 D. J. Regan William Michels
 Merle Jackway
 W. T. Babb
 Charles Hoskins J. Cranston
 D. MacIvor
 R. Detro
 T. J. Welsh J. Nolan
 M. Heidt

LaBelle Steamship Co. (See Fleet No. 105)

130 **La Cle de Traverse Valleyfield-Coteau Dulac Ltd., Valleyfield, Que. (Owner and Operator)**

Beauharnois Ernest Lefevre Georges Houde

Lake Chelan Steamship Co. (See Fleet No. 18)

Lake Erie Coal Co. Ltd. (See Fleet No. 131)

131 **Lake Erie Navigation Co. Ltd., Walkerville, Ont. (Operator)**

(Lake Erie Coal Co. Ltd., Walkerville, Ont.) (Owner)

L. H. Kent, Chief Marine Engineer, Ludington, Mich.

Alexander Leslie R. Alexander David Brown

132 **Lake Sand Corp., 228 North LaSalle st., Chicago (Owner and Operator)**

Gilbert T. B. Jacobsen Frank Benash

133 **Lake Tankers Corp., 20 Exchange place, New York (Owner and Operator)**

Justine C. Allen (m.v.) E. A. Uhler Nelson Apelskog

Martha E. Allen (m.v.) F. W. Dixon E. A. Stevens

	Captain	Chief Engineer
134	Lakehead Transportation Co. Ltd., Fort William, Ont.	
	(Owner and Operator)	

Alfred J. (barge)
 Blanche H. (barge)
 Ethel (barge)
 Florence J. (barge)
 John P. Geistman
 Marguerite W. (tug)
 Merle H. (barge)

135	Lakes & St. Lawrence Navigation Co. Ltd., Cardinal, Ont.
	(Owner and Operator)

R. S. Browning, Marine Superintendent

Casco	W. J. Mills	S. E. Moore
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136	LaWay, Capt. E. J., Cheboygan, Mich. (Owner and Operator)
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M. H. Stuart	E. J. LaWay	Frank Davis
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137	Levis Ferry Co. Ltd., Champlain Market, Quebec (Owner and Operator)
	J. L. Roberge, Manager

Bienville	Armand Dumont	W. Aubin
Colbert	Alphonse Forgues	M. Lamothe
	C. Martel	A. Begin
	U. Lemieux	W. Desrochers
Louis Jolliet	Eugene Fortin	J. Bernier

Steamers Cite de Levis and Cite de Quebec used in winter navigation only

	Captain	Chief Engineer
138	Lindsay Coal Co., Port Huron, Mich.	
	E. S. Lindsay, Manager	

Peerless Barge No. 1

139	Lloyd Tankers Ltd., 80 King st., West, Toronto, Can.
	(Owner and Operator)

Bruce Hudson	R. Hindman	J. Brodeur
Joan Virginia	S. Ahern	D. Arbour

140	Luedtke Engineering Co., Frankfort, Mich. (Owner and Operator)
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Karl E. Luedtke (tug)	Howard Smith	Wm. Hall
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141	Lyons Construction Co., Whitehall, Mich.
	Ira J. Lyons, Owner

Fred C. Greiling (tug)	Ira J. Lyons
Progress (dredge)	
Gold Digger (dredge)	
Sumac (light house tender)	

142	Mackinac Transportation Co., St. Ignace, Mich. (Operator)
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Mackinac Transportation Co., Detroit (Owner)

C. H. Brown, Port Captain

Chief Wawatam (carferry)	C. H. Brown	L. W. Specht
Sainte Marie (carferry)	E. J. Potvin	Harry Cheeseman

Mahoning Steamship Co. (See Fleet No. 15)

Captain

Chief Engineer

143	Maid of the Mist Steamboat Co. Ltd., Niagara Falls, Ont. (Owner and Operator) Frank LeBlond, Port Captain	
	Maid of the Mist No. 1	Robert Graham
	Maid of the Mist No. 2	John Wood

144	Marine Industries Ltd., Sorel, Que., (Owner and Operator) Joseph Simard, President; J. Ed. Simard and E. de G. Power, Vice President Eugene Gendron, General Superintendent	
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Cahotte (tug)	Sylvio Beaudet	C. Mondor
Capt. Simard (tug)	J. Mongeau	A. Carpentier
Deschenaux (tug)	E. Larosee	E. Boisclair
Dramis (tug)	D. Beaudet	O. Mandeville
Earl Bess (tug)	N. Mongeau	J. Laforest
Hullman (tug)	P. Picard	M. Fiset
George M. McKee (tug)	A. Bonin	A. Poulin
Mekinac (tug)	H. Cote	O. Cournoyer
Becancour (tug)	J. Boily	F. Pintal
Deschailions (tug)	R. Belisle	J. Chevalier
Patrol No. 4 (tug)	E. Leclerc	B. Paul
Baroff (tug)	A. Audet	C. Peloquin
Franklin C. (tug)	E. Desmarais	J. Barabe
Coal Barge No. 6	A. Dumas	J. Peloquin
Oakbranch (tanker)	D. Charland	O. Croteau
Bruxelles XXX (dredge)	E. Hoffman	J. Demers

92

Captain

Chief Engineer

General Brock (dredge)	J. D. Poirier	T. Carrie
General Montcalm (dredge)	A. Jacobsen	A. Larsen
Manseau No. 101 (dredge)	E. Gallant	J. Cotnoir
Manseau No. 103 (dredge)	G. Wrightman	R. Gendron
Manseau No. 105 (dredge)	P. Paul	
Manseau No. 107 (dredge)	J. E. Paul	
D. M. No. 17 (dredge)	M. Peloquin	F. Denis
H. C. M. No. 8 (derrick)	B. Labreche	
Manseau No. 104 (derrick)		
Derrick & Hoister No. 2		
C. & R. Derrick No. 1		

145	Marine Iron & Shipbuilding Co., Foot of Eleventh ave. W, Duluth (Owner and Operator)	
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	John Geistman, Manager	
John Abernathy (tug)	Oscar Abrahamson	
Blanche (tug)	David Berg	
Toby Cahill (tug)	Norman Skafte	
Islay (tug)	William McLean	A. E. Johnson

Marine Tankers Inc. (See Fleet No. 49)

146	Marine Transit Co., 131 East Wacker Drive, Chicago (Owner and Operator)	
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American	Louis Thorsen	Frank Buchler
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93

Captain

Chief Engineer

- 147 **Marquette & Bessemer Dock & Navigation Co. (Owner and Operator)**
L. H. Kent, Supt. of Steamships, Ludington, Mich.
Marquette & Bessemer No. 1 (car ferry) . . . not in commission
- 148 **Matheson, Capt. John S., Southampton, Ont. (Owner and Operator)**
LaPlante (tug) John S. Matheson Artley Wilson
- 149 **Matheson, Leland, Southampton, Ont. (Owner and Operator)**
Douglas M. (tug) Donald Matheson George Eby
- 150 **Matton, John E. & Son, Inc., Waterford, N. Y. (Owner and Operator)**
(All are tugs)
John A. Becker J. P. Kenny H. Gibbs
Jesse Clayton D. Markett H. Tracey
Matton Henry Robert C. Knowlson
Matton 10 V. LaFontaine E. Trembley
Matton 20 John Maloney L. R. Getchell
Matton 21 Robert McLusky H. Syder
Ralph E. Matton Clayton Godfrey E. Van Heusen
John E. Matton (tug)
H. A. Meldrum F. Walrod G. Van Allen
P. C. Ronan G. Van Steenberg C. Snell
- 151 **McCarthy, T. J., Steamship Co., 210 Wayne st., Detroit (Owner)**
T. J. McCarthy, President; John P. Ranahan, Vice President
George W. Mead see Fleet No. 65
Rockett (tug) no appointments

Captain

Chief Engineer

- 152 **McColl-Frontenac Oil Co. Ltd., Yardley House, Toronto, Ont. (Operator)**
S. S. Cyclo-Chief Ltd., Montreal, owner
Cyclo-Chief A. H. Foote C. G. Myatt
S. S. Cyclo-Warrior Ltd., Montreal, owner
Cyclo-Warrior H. F. Halifax C. Carr
S. S. John Irwin Ltd., Montreal, owner
John Irwin I. L. Mateer J. M. Kettles
- 153 **McFadden, J. J., Ltd., Blind River, Ont. (Owner and Operator)**
Wahnapiatae (tug) no appointments
Waubashene (tug) William Decota Dougall McLeod
- McKellar Steamships Ltd. (See Fleet No. 222)**
- 154 **McLean & Son, A. B., Brock st. dock, Sault Ste. Marie, Ont. (Owner and Operator)**
Capt. R. A. and John McLean, Managers
James J. Baxter Jr. (tug) William Bennett William Biron
Nadine (barge) Charles Johnson
Spragge (tug) no appointments
Derrick Scow No. 3 A. Biron
Derrick Scow No. 4 Fleet McLean
Dredge L. S. No. 3 L. Birmingham
Drill Boat No. 5 Allen McKay
Walter Wyman (tug) T. B. Climie James McGill
- 155 **McQueen, Capt. J. E., Amherstburg, Ont. (Owner and Operator)**
Erie Isle (diesel passenger) J. Penner H. Atkinson

	Captain	Chief Engineer
Patricia McQueen (diesel tug)	E. Winter	F. Lapierre
Patsy (tug)	J. Goodchild	
Progresso (tug)	J. McQueen	J. Ferguson
Henry Stokes (tug)	C. R. Hackett	W. McQueen
Handy Boy (lighter)	D. Foucher	G. McKenzie

156 Meagher, W. J., Bay City, Mich. (Owner and Operator)

Tipperary (tug)

157 Merchants Lighterage Co., 211 E. North Water st., Chicago (Owner and Operator)

Commerce

158 Merritt-Chapman & Scott Corp., 515 Marion Bldg., Cleveland (Owner and Operator)

Clyde (derrick scow)

159 Michigan Atlantic Corp., 60 E. Forty-second st., New York (Owner and Operator)

Michigan (m.v.)

160 Michigan Limestone & Chemical Co., Rogers City, Mich. (Owner and Operator)

Central (tug)

Captain Chief Engineer

Frederick T. Kellers (tug)

161 Michigan, State Bridge Commission of, 310 Quay st., Port Huron, Mich. (Owner and Operator)

Ariel (ferry)

162 Michigan State Ferry, St. Ignace, Mich. (Operator)

City of Munising

City of Cheboygan

163 Midland Steamship Line, 2101 Terminal Tower, Cleveland (Owner and Operator)

Hazen Butler

Michael Gallagher

Captain

Chief Engineer

C. O. Jenkins	504-54-31	9,000
J. M. Macoubrey	380-50-28	6,200
W. G. Pollock	420-52-28	7,500
Edw. N. Saunders Jr.	504-55-30	9,000
Carmi A. Thompson	525-58-31	10,500

164 Mid-West Transportation Co., Bay City, Mich. (Owner and Operator)

Aetna	252-44-19	3,000	William Rinn	A. G. Olmsted
E. M. Bunce	251-44-22	3,000	no appointments	

Midwest Vessel Corp. (See Fleet No. 55)

165

Milwaukee, City of, Fire Department, Milwaukee

Peter Steinkellner, Chief of Fire Department

(All vessels are fireboats)

M. F. D. No. 15	Max Etzel	R. Schneidewind
M. F. D. No. 29	Harold Ellingsen	Paul Knuettel
Torrent	Edw. Dixon	George Driscoll

166 Minnesota-Atlantic Transit Co., 275 Fuhrman Blvd., Buffalo, N. Y. (Operator)

Terminals & Transportation Corp., 275 Fuhrman Blvd., Buffalo (Owner)

H. T. Hoopes, Buffalo, President; W. A. Young, Detroit, Vice President—Operations;
H. M. Bouchard, Superintendent of Steamships, Buffalo, N. Y.

Ace	John C. Heaney	Warren Cadwell
King	Archibald Maclean	Milo Ballou
Queen	Louis F. Guyette	Fred W. Urban
Jack		

Ten	
Nine	

Captain

Chief Engineer

Gust Ege	C. M. Ryan
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167 Mohawk Navigation Co. Ltd., 635 Common st., Montreal, Que.

(Owner and Operator)

R. A. Campbell, Managing Director

Alfred Krupp (barge)	352-44-26	5,400	Sam Brunet	
Capt. C. D. Secord	346-48-24	4,500	J. A. Felker	J. M. Gillies
Sir Thomas Shaughnessy	480-52-30	8,000	Angus MacKay	William Keith

168 Montreal Harbour, National Harbours Board, Montreal, Que.

(Owner and Operator)

Capt. J. P. Duour, Harbour Master;	J. L. S. Campbell, Supt. of Fleet
Sir Hugh Allen (tug).....	L. Lacoutre.....George Thornhill
Ethel (barge).....	
Robert Mackay (tug).....	M. Cournoyer.....A. Vezina
John Young (tug).....	Z. Perreault.....J. Gendron
	R. G. Perchard
	E. H. Cameron
	F. C. Baylis
	J. Lindsay

Morrow Steamship Co. (See Fleet No. 185)

169 Morton Salt Co., 208 W. Washington st., Chicago (Owner and Operator)

Robert K. Warren, Manager

Covalt	253-44-25	F. O. Johnson	H. W. Schmock
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Captain

Chief Engineer

170 Mullen Transit Co., 31 Atwater st., Detroit (Owner and Operator)
 John Mullen not in commission
Muskegon Dock & Fuel Co. (See Fleet No. 270)

171 National Motorship Corp., 17 Battery place, New York (Owner and Operator)
 Cleveland (diesel electric) Edward T. Comins Charles Hoie
 Detroit (diesel electric) Fred J. Hill Peter Elke

172 National Sand & Material Co. Ltd., 402 Harbor Bldg., Toronto, Ont.
(Owner and Operator)
 Baxter Dick not in commission
 Charles Dick J. D. Reid Corey Harvey
 O'Connor Dick H. A. Tufts A. Mosher

National Steamship Co. (See Fleet No. 244)

National Steel Corp. (See Fleet No. 105)

173 Neff Transportation Co., 8409 Euclid ave., Cleveland
 Louisville (motor tug)

174 Neuman Boat Line, Sandusky, Ohio (Owner and Operator)
 Mascot (m.v.) Harold Neuman Bob Stroeckeo
 Messenger (m.v.) Leonard Neuman Wm. Cane

175 Newaygo Tug Line Division of C. W. P. & P. Co., Port Arthur, Ont.
(Operator)

Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis., owner
 Butterfield (tug) Thomas Mackie

Captain

Chief Engineer

176 Niagara, St. Catharines & Toronto Nav. Co. Ltd., St. Catharines, Ont.
(Operator)

J. R. Empringham, Superintendent
 Canadian National Railways, owner

Northumberland George Wilson H. N. Bonnell
 Dalhousie City Dalhousie Navigation Co., C. N. R., owner
 George C. Chikds William Stewart

177 Nicholson, William, Box 66, River Rouge, Detroit (Operator)

Nicholson Transit Co. (Owner). Capt. H. H. Parsons, Marine Supt.
 Fellowcraft F. Brune Gil. Edmonds
 Fleetwood Vic. Tyler E. Basney
 F. E. Harvey no appointments
 Ironwood M. Ramage
 Liberty (m.v.) W. R. Neal Ben Swanson
 Pleasure no appointments
 E. C. Pope W. J. Edgar Roy Walker
 Tampico H. Booth C. Rexford
 James Watt no appointments
 Swederope E. Jacker

Ecorse Transit Co. (Owner)

H. Dahlke Harold Edwardson A. B. Cascadden
 Oakwood Millard Brewer Berger Hansen

Tri-Lakes Steamship Co. (Owner)

Rockwood Edw. H. Collen Archie Proulx
 Sinaloa W. C. Fontaine Frank Burkman

Captain

Chief Engineer

178 Nicholson Universal Steamship Co., 1440 E. Atwater st., Detroit (Operator)

F. L. Hewitt, President; O. W. Benham, Vice President, Operations

Nicholson Universal Steamship Co., owner

Coralia	E. Massman	F. Rourk
Crescent City	H. B. McCool	C. Sampson
Penobscot		
Sonoma	D. Elliott	B. Beauchamp
Sonora		
Sultana		
Graham C. Woodruff	J. McKinnon	T. Quigley
	Corp., owner	
Gotham (tug)	J. E. Hayes	J. McNeil
Gotham 84 (barge)	Capt. Swanson	
Gotham 85 (barge)	Capt. Jackman	

179 Norris Steamship Ltd., Harbour Commission Bldg., Toronto, Ont.

Barge 137	Thomas Stephens	
James B. Eads	Frank Harpell	George Miller

180 North American Transports Ltd., 635 Common st., Montreal, Que.

R. A. Campbell, Managing Director

Redcloud (m.v.)	J. J. Lawrence	C. K. Aitken
Redfern (m.v.)	A. J. Irvine	Jas. Palmer
Redriver (m.v.)	Walter Kirk	H. DuBoulay
Redwood (m.v.)	J. J. Mailhot	R. C. Fairweather

Captain

Chief Engineer

181 Northern Paper Mills Ltd., Coppell, Ont.

A. K. McNaughton, Secretary

Norco	Alex R. Cleave	Howard Hazlett
(nee Inca)		

182 Northland Steamship Co. Ltd., Harbour Commission Bldg., Toronto, Ont.

Sarnian	John Hanley	Gilbert Miller
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183 Northwest Steamships Ltd., 59 King st. East, Toronto, Ont.

Superior	Dalton Hudson	A. E. Hurst
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184 Northwestern Co., Sturgeon Bay, Wis. (Owner and Operator)

Fred W. Green	Ole Jacobsen	Henry Isaaksen
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185 Oglebay, Norton & Co., 1208 Hanna Bldg., Cleveland (Operator)

Columbia Transportation Co., owner

M. J. Bartelme	412-48-28	5,600		
Thomas Britt	413-52-28	6,300		
Harry T. Ewig	346-48-28	4,700	D. Huser	C. E. Swartz
Joseph H. Frantz	592-62-32	11,500		
Charles W. Galloway	504-54-30	8,600	R. J. Reid	H. P. Roberts
Howard M. Hanna, Jr.	504-54-30	8,500	F. Blacklock	C. Williamson
W. W. Holloway	532-56-31	9,200	J. S. Moran	J. E. Eustice
O. S. McFarland	360-50-28	5,400		
E. G. Mathiott	346-48-28	4,800	H. N. Millington	O. Peterson
J. Clare Miller	525-55-31	8,800	A. McDonald	O. Anderson
R. E. Moody	354-48-28	4,600	W. C. Ruddle	W. E. Wood
David Z. Norton	480-52-30	7,700		

Captain

Chief Engineer

Wm. B. Pilkey	412-48-28	5,600		
G. G. Post	346-48-28	4,700		
W. C. Richardson	420-52-28	6,700	P. P. Lennon	A. E. Bates
Wm. F. Stifel	420-52-28	6,700	E. Andreas	M. Bertelsen
S. B. Way	532-58-31	9,400	O. A. Gentz	C. W. Gustin
	Morrow	Steamship Co., owner		
Robert J. Paisley	410-48-28	6,600	D. M. Crooker	E. E. Jacques
	J. A. Paisley	Steamship Co., owner		
Ben E. Tate	356-50-28	5,600	F. L. Meno	John Arbter
	Saginaw Dock & Terminal Co., owner			
Carrollton	241-43-22	2,400	Chas. Ferguson	R. Shinsky
Frank J. Peterson	253-43-23	2,600	J. Grefor	A. H. Thompson
Saginaw	251-44-23	2,600	J. M. Conlon	R. K. Laderach

186 Ohio Tankers Inc., 317 Rockefeller Bldg., Cleveland (Owner and Operator)

W. C. Secord, Manager

A. J. Patmore (m.v.)	W. H. Smith	Clair Spooner
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187 Ontario Car Ferry Co. Ltd., 384 St. James st., Montreal, Que.

R. B. Teagle, Manager

Ontario No. 1 (car ferry)	S. H. McCaig	C. Morrison
Ontario No. 2 (car ferry)	S. H. McCaig	C. Morrison

188 *Ontario Construction Co. Ltd., St. Catharines, Ont. (Owner and Operator)

Nitchie (tug)		
Prince Ray (tug)	William Decota	Howard Shaughnessy

Captain

Chief Engineer

189 Ottawa, Department of Public Works, Ottawa, Ont. (Owner and Operator)

Hercules (tug)	Norman Jackson	William H. Baker
Peel (tug)		not in commission
P.W.D. No. 117 (dredge)	Engineer Master John Howell	

190 Ottawa Transportation Co. Ltd., Ottawa, Ont. (Owner and Operator)

C. T. Kirby, President; C. E. Russell, Managing Director

Steamers Hall, Wilfrid Laurier, Denis Murphy and Ottawan not in commission, and offered for sale.

191 Owen Sound Transportation Co. Ltd., 1001 Eleventh st. W., Owen Sound, Ont.

Manitoulin	R. Morrison	William Owens
Normac (m.v.)	O. S. Long	W. Monkhouse
(Operating joint sailings with Dominion Transportation Co. Ltd., See Fleet No. 70)		

192 Owners Steamer Brulin, 417 St. Peter st., Montreal, Que.

R. A. Carter, Manager

Brulin	R. Leonard	A. G. Sweeting
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J. A. Paisley Steamship Co. (See Fleet No. 185)

193 *Paquette, Adrien, Champlin, Que. (Owner and Operator)

Ste. Therese A.	Adrien Paquette	Joseph Vezina
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194 Paterson Steamships Ltd., Fort William, Ont. (Owner and Operator)

Port Captains: J. D. Montgomery, Montreal; R. J. Wilson, Windsor, Ont.

Bricoldoc	R. E. Chapman	W. T. Smith
Canadoc	James N. Foote	S. Barr
Cartierdoc	J. Prowse	R. Smith
Collingdoc	R. Robinson	J. Muir
Coteaudoc	N. Somers	O. Lamoureux

Farrandoc
 Fort Wildoc
 Ganandoc
 Hamildoc
 Kenordoc
 Kingdoc
 Lachinedoc
 Lavaldoc
 Lawrendoc
 Mantadoc
 Mondoc
 Newbrundoc
 Novadoc
 Ontadoc
 Portadoc
 Prescodoc
 Prindoc
 Quedoc
 Sarniadoc
 Saskadoc
 Soodoc
 Soreldoc
 Thorodoc
 Torondoc
 Troisdoc

Vandoc
 Wellandoc
 Windoc

195 Pennsylvania-Ontario Transportation Co., 827 Rockefeller Bldg., Cleveland
(Owner and Operator)

J. L. Tinny, Manager
 Ashtabula (car ferry) C. F. Meyers S. M. Sylvester

196 Pere Marquette Railway Co., General Motors Bldg., Detroit
(Owner and Operator)

L. H. Kent, Superintendent of Steamships
 (All vessels are car ferries)

Pere Marquette No. 12	Thomas A. Brown.....	Charles Millett
Pere Marquette No. 14	Elroy Fischer	Richard McGuire
Pere Marquette No. 17	Jens Vevang	George Liebertreau
Pere Marquette No. 18	E. S. Cronberg	Thomas Loy
Pere Marquette No. 19		
Pere Marquette No. 21	A. Altschwager	Joseph Koob
Pere Marquette No. 22	John F. Johnson	Richard Langrill
City of Flint No. 32	C. E. Robertson	G. W. Larsen
City of Saginaw No. 31	Esten Bahle	Henry Akesson

197 Petosky Transportation Co., Petosky, Mich. (Owner and Operator)

H. H. Lucas, Vice President
 J. B. John F. P. Russell.....Ervin Wendorff

Captain

C. Courtemanche ... E. C. Featherstone

R. Mallette.....	R. Reid
F. Boulton.....	C. Vent
E. W. Baker	J. Nicol
R. Sempell.....	F. Macaulay
M. Mongeau.....	F. Mooney
A. Sempell.....	A. H. Chalmers
N. Johnston	A. Plant
T. Jewitt.....	T. Dryburgh
B. R. Greier.....	W. Abercrombie
F. Butters.....	W. Colville
R. McPherson.....	W. Lalonde
H. B. Hunt.....	H. W. Cross
C. Clark.....	W. Tynman
L. Legendre.....	W. Fawcett

F. Garrett	R. F. Hicks
R. A. Cameron	J. Kennedy
W. J. Kirkwood	L. Buttler
W. A. Boulton.....	P. Audett

A. J. Vallis	D. S. Crawford
R. Simpson.....	P. Pratt

Captain

Chief Engineer

D. Steip	E. W. Sparling
B. O'Desse	E. N. Ramsay

Captain

Chief Engineer

198	Pickands, Mather & Co., Union Trust Bldg., Cleveland (Operator)	
	Interlake Steamship Co., owner	
	Thomas F. Zealand, Marine Supt.; Charles E. Collins, Fleet Engineer	
	No definite appointments made at the beginning of the season.	
Adriatic	420-52-28	7,000
Arcturus	514-54-31	9,200
Fayette Brown	504-54-30	9,000
Harvey H. Brown	532-58-32	9,800
Calumet	420-52-29	7,000
J. A. Campbell	525-58-31	10,000
Canopus	462-50-28	7,600
Cetus	416-50-28	6,400
E. A. S. Clarke	532-56-30	9,600
Corvus	416-50-28	6,700
Harry Coulby	607-65-33	13,000
Crete	480-52-30	8,000
Harry W. Croft	504-58-30	9,400
Cygnus	416-50-28	6,700
Henry G. Dalton	580-60-32	11,500
Wm. B. Davock	420-52-28	7,000
Elba	420-52-28	7,000
Hemlock	420-52-28	7,000
Robert Hobson	580-60-32	11,500
Elton Hoyt II	530-56-32	9,600
Harry R. Jones	448-52-28	7,400

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Captain

Chief Engineer

Lagonda	375-46-28	4,500
C. H. McCulloch Jr.	512-56-31	9,600
William McLaughlan	580-60-32	11,500
Samuel Mather	580-60-32	11,500
D. O. Mills	532-58-32	9,800
Jay C. Morse	532-58-31	9,800
Odanah	420-52-28	7,000
Pathfinder	530-60-32	10,000
Pegasus	416-50-28	6,700
Perseus	462-50-28	7,600
Col. Jas. Pickands	580-60-32	11,500
James H. Reed	448-52-28	7,400
C. S. Robinson	525-55-31	9,200
Saturn	416-50-28	6,700
Charles M. Schwab	580-60-32	11,500
Joseph Sellwood	525-55-31	9,200
John Sherwin	514-54-31	9,200
Amasa Stone	525-55-31	9,200
Taurus	416-50-28	6,700
Vega	416-50-28	6,800
Venus	346-48-28	4,600
Verona	480-52-30	8,000
Victory	459-48-30	6,800
Jas. C. Wallace	532-56-31	9,800

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Captain

Chief Engineer

Augustus B. Wolvin ... 540-56-32 9,800
 Youngstown ... 580-60-32 11,500

199 **Pine Ridge Transportation Co., 716 Fidelity Bldg., Detroit**
 M. Elsey, Dock Supt.; Arthur D. Cronin, General Manager
 Pine Ridge ... T. W. Lawler ... L. Pollack
Pioneer Steamship Co. (See Fleet No. 113)

200 **Pioneer Transportation Co. Ltd., 660 Richmond st., London, Ont.**
 W. L. Baragar, Manager
 Supertest (m.v.) ... W. H. Rees ... C. A. Reed

201 **Pittsburgh Coal Co., 2300 Terminal Tower, Cleveland (Owner and Operator)**
 W. G. Wilhelm, Lake Sales Manager; J. P. Doyle, Gen. Supt.
 Pittsburgh ... Thomas Burns

202 **Pittsburgh Steamship Co., Rockefeller Bldg., Cleveland (Owner and Operator)**
 W. P. McElroy, Fleet Captain; J. F. Wood, Fleet Engineer
 B. F. Affleck ... 580-60-32 11,100 J. A. Smith ... W. A. Churchill
 Geo. F. Baker ... 580-58-32 10,500 G. T. Comins ... L. B. David
 Clarence A. Black ... 414-50-28 6,300 M. Rushin ... F. J. Cunningham
 E. J. Buffington ... 580-58-32 10,700 L. B. Conlin ... W. R. Miller
 Robert W. E. Bunsen ... 446-50-30 6,700 A. G. Waurzyniak ... M. C. Smith
 D. M. Clemson ... 580-60-32 11,300 C. J. Kearns ... E. H. Oehlenschlaeger
 Wm. G. Clyde ... 580-60-32 11,100 D. M. LeRoy ... R. W. Townsend
 Thomas F. Cole ... 585-58-32 10,700 Wm. Ward ... W. F. Parker
 E. C. Collins ... 460-50-28 6,300
 W. E. Corey ... 549-56-31 9,600 W. T. Simonds ... O. J. Berger

Cornell ... 454-50-29 7,000
 Geo. G. Crawford ... 585-60-32 11,000
 Wm. B. Dickson ... 580-58-32 10,800
 Alva C. Dinkey ... 580-58-32 10,600
 Wm. Edenborn ... 478-52-30 7,500
 Isaac L. Ellwood ... 478-52-30 7,500
 James A. Farrell ... 580-58-32 10,700
 A. H. Ferbert ... 420-50-28 6,300
 Wm. J. Filbert ... 585-60-32 11,000
 H. C. Frick ... 549-56-31 9,700
 Robert Fulton ... 414-46-28 5,600
 E. H. Gary ... 549-56-31 9,800
 John W. Gates ... 478-52-30 7,500
 Governor Miller ... 586-60-33 11,800
 Harvard ... 454-50-29 6,900
 A. F. Harvey ... 580-60-32 11,100
 J. A. Hatfield ... 580-60-32 11,200
 James J. Hill ... 478-52-30 7,500
 Douglas Houghton ... 456-50-28 6,700
 Francis E. House ... 585-60-32 10,800
 John Hulst ... 586-60-33 11,800
 W. A. Irvin ... 586-60-33 11,800
 Horace Johnson ... 580-60-32 11,100
 D. G. Kerr ... 580-60-32 11,300
 Thomas W. Lamont ... 580-60-32 11,100

Captain

Chief Engineer

L. J. Brissette ... E. W. Anderson
 F. Davenport ... Thos. Reinert
 John Crerar ... C. D. Reno
 A. W. Dana ... F. W. Leng
 Swen Fotland ... B. H. Hesler
 G. C. Chambers ... R. S. Curry
 R. M. Crawford ... E. R. Rattray
 R. C. Coughell ... F. J. Manion
 H. L. Buckley ... R. W. Armstrong
 W. H. Paver ... G. C. Morrison
 A. C. Penzenhagen ... J. R. Bowermaster
 D. T. Whitlock ... Harry Barteldt
 J. C. Murray ... W. B. Danforth
 J. M. Boyce ... M. O. Waldeland
 E. K. Male ... C. A. Suttle
 C. S. O. Christiansen ... J. T. Schei
 C. J. Brinker ... F. G. Hazen
 W. H. MacBeth ... J. M. Mikell
 A. C. Johnson ... Joseph Friesenhan
 A. T. Patchett ... W. P. Diamond
 J. N. Rolfsen ... W. P. Bourlier
 F. J. Wade ... W. A. Lewis
 H. D. McLeod ... E. L. Moulton
 H. J. Clegg ... C. S. McIntyre

R. V. Lindabury	580-60-32	11,300
W. R. Linn	400-48-28	5,600
Thomas Lynch	580-58-32	10,600
W. A. McGonagle	580-60-32	11,200
John McLean	414-50-28	6,300
Malietao	454-50-29	7,000
Mataafa	430-50-29	6,400
Maunaloa	430-50-29	6,500
Pentecost Mitchell	416-50-28	6,100
J. P. Morgan Jr.	580-58-32	10,800
J. Pierpont Morgan	580-58-32	10,400
Samuel B. F. Morse	456-50-29	6,800
Simon J. Murphy	428-52-28	6,700
Wm. J. Olcott	580-58-32	10,800
Wm. P. Palmer	580-58-32	10,900
E. W. Pargny	580-60-32	11,300
Geo. W. Perkins	549-56-31	9,800
Henry Phipps	580-58-32	10,500
Orlando M. Poe	470-50-29	6,900
Princeton	454-50-29	6,900
Queen City	400-48-28	5,600
Norman B. Ream	580-58-32	10,500
Rensselaer	454-50-29	7,000
R. R. Richardson	416-50-28	6,100
Percival Roberts Jr.	580-58-32	10,900

Captain	Chief Engineer
Ed Palm	Conrad Sahlen
E. D. Purdy	H. E. Lickfeldt
W. H. McLachlan	P. F. McDonnell
Geo. Gay	R. I. Dillenbeck
T. F. Burns	Earl Lockhart
Thor Nelson	F. F. Hunger
G. M. Sandiford	A. A. Baker
F. H. Pratt	L. M. Morrison
C. A. Wallace	H. O. Armstrong
C. H. Johnson	F. J. Goller
A. J. Winkel	Jas. Amenson

A. E. Nunn	A. K. Brake
C. A. Horton	C. C. Rector
H. Osier	W. F. Oehlenschlaeger
D. E. Manuel	A. A. Lyman
A. H. Nielson	J. F. Oakley

R. A. DeWitt	H. W. Bremer
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C. C. Carlisle	J. B. Bellow
R. C. Hoglund	H. F. Parker
C. J. Paver	W. H. Annesloy
E. F. Bernard	W. A. Marshall

H. H. Rogers	580-58-32	10,500
Wm. B. Schiller	580-58-32	10,700
Howard L. Shaw	428-52-28	6,700
McGillvray Shiras	420-50-28	6,400
Geo. Stephenson	408-48-28	5,600
Myron C. Taylor	580-60-32	11,100
Eugene P. Thomas	580-60-32	11,100
Richard Trimble	580-58-32	11,000
R. H. Watson	586-60-33	11,800
Peter A. B. Widener	580-58-32	10,400
H. D. Williams	580-60-32	11,300
Zenith City	387-48-28	5,300
August Ziesing	580-60-32	11,200
Brvn Mawr (barge)	400-50-27	6,700
Fritz (barge)	436-50-29	7,400
Manila (barge)	436-50-29	7,200
Marsala (barge)	436-50-29	7,400
Roebbling (barge)	436-50-29	7,400
Smeaton (barge)	446-50-30	7,400

Captain	Chief Engineer
H. J. Needham	Robert Conlen
H. C. Beattie	C. H. Savage
W. J. Seligman	R. W. Hogle
H. A. Leisk	W. G. Staley
H. Ashby	H. W. Endelman
F. H. Roach	H. G. Rood
D. W. McLeod	Leland Haggan
R. W. Parsons	A. L. Rhodes
George Huckle	G. R. Emrey
H. Johnson	W. T. Welsh

203 Porter, J. P., & Sons, Ltd., 936 Dominion Square Bldg., Montreal, Que.

Alice (tug)	
Delver (dredge)	
F. Dupre (tug)	
Fundy (dredge)	
Halifax No. 25 (dredge)	

H. Houde	L. Houde
J. Gamble	W. MacIntyre
R. M. Betts	M. Comeau
A. Kennedy	C. Mather
A. Doane	J. Shoultz

Lawrence T. Porter (tug).....
 Rouille (tug).....
 Shuniah (dredge).....
 Trimmer (dredge).....

Captain

J. R. MacLean.....J. McNeil
 R. Dykeman.....L. Sharkey
 Gus Johnston.....W. Pitts
 L. Smith.....A. Wilson

Chief Engineer

204 Prescott & Ogdensburg Ferry Co. Ltd., Prescott, Ont. (Owner and Operator)

S. J. Delaney, Port Captain; W. J. Jento, Superintending Engineer of Fleet
 Joseph Dubrule.....Boivin.....R. Lashmar
 Levis.....Hugh Willard.....W. Chretien

Presque Isle Transportation Co. (See Fleet No. 48)

205 Priddle, E. F., Gore Bay, Ont. (Owner and Operator)

Mindemoya.....A. Manzutt.....Roy Burgess
 (nee Jos. W. Simpson)

206 Pringle Barge Line Co., 309 Rockefeller Bldg., Cleveland

Barkhamstead (tug).....J. B. Pringle
 Crusader (tug).....Eric Miller
 Constitution (barge).....J. H. Alexander
 Maida (barge).....Bert Peltier
 Sagamore (barge).....no appointment

Progress Steamship Co. (See Fleet No. 48)

207 Provincial Paper Ltd., Port Arthur, Ont. (Owner and Operator)

Strathbogie (tug).....W. C. Charlton.....Dave Lanktree
 Thomas Maitland (tug).....not in operation

208 Purvis, Capt. John, Gore Bay, Ont. (Owner and Operator)

E. D. M. Purvis (tug).....John Purvis.....Norman McDonald

Captain

Chief Engineer

209 Pyke Towing & Salvage Co., Kingston, Ont. (Owner and Operator)

Grant Pyke, Manager

George T. Davie (barge).....Capt. MacDonald
 Hilda (barge).....Capt. Harper
 Salvage Prince (tug).....G. Pyke.....E. Reid
 Salvage Queen.....W. Felix.....Thomas Campeau
 Warrenco (barge).....W. Botting

No appointments for barges Anarco, Concretia, Sand Boy and Stone Boy.

210 Quebec Harbour, National Harbours Board (Owner and Operator)

Aviso (tug).....not in operation

211 Quebec & Ontario Transportation Co. Ltd., 680 Sherbrooke st., West, Montreal, Que.

F. J. Byington, Superintendent

Franquelin (m.v.).....F. V. McIntyre.....W. Graham
 Shelter Bay.....J. O. Beaudoin.....G. Coffin
 New York News.....George Ferguson.....J. F. Duncan
 Thorold.....W. E. Redfearn.....H. Collins
 Chicago Tribune (m.v.).....R. J. Brown.....J. N. Fleming

212 Red Arrow Steamship Co., Sheboygan, Wis. (Operator)

Red Arrow Steamship Co., Wilmington, Del., owner
 W. W. Newcomet, Manager; M. G. Cook, Fleet Engineer
 Jos. S. Morrow.....420-52-28 7,000 John Hoff.....John A. Nystrom

213 Reger & Werner Fish Co., Lorain, O. (Owner and Operator)

George Edward (tug).....George Floro

Barbara Jo (gas.).....
 Evelyn R. (gas.).....
 Francis R. (gas.).....
 Jerry W. (gas.).....

Captain
 Ed. Witt
 Al Snell
 L. Kuhnle
 Carl Werner

Chief Engineer

214 Reiss, C., Coal Co., Sheboygan, Wis. (Owner and Operator)

W. W. Newcomet, Manager; M. G. Cook, Fleet Engineer
 Green Bay (tug) Harry Groh Michael Wirth
 William H. Armstrong
 Reiss (tug) Glen Bergerson L. Lewandowski

215 Reiss Steamship Co., Sheboygan, Wis. (Operator)

Reiss Steamship Co., Wilmington, Del. (Owner)
 W. W. Newcomet, Manager; M. G. Cook, Fleet Engineer
 A. M. Byers 504-54-30 10,000 James Rathburn James Nelson
 Reiss Brothers 580-60-32 12,000 Howard N. Leach Alex McLaren
 Clemens A. Reiss 430-50-29 7,000 Albert Olsson Willard F. Meter
 J. L. Reiss 480-52-30 7,500 Wayne Pringle Henry Rake
 John P. Reiss 504-54-30 10,000 R. O. Frankforter... John J. Maloney
 Otto M. Reiss 420-52-28 7,000 H. L. Radcliffe Sylvester Palumbo
 Peter Reiss 504-54-30 10,000 Wm. T. Landon John A. Richardson
 Richard J. Reiss 430-50-29 7,000 D. C. Sullivan L. F. Miller
 Wm. A. Reiss 592-62-32 12,500 Alex Craigie J. E. McNeil
 Alex B. Uhrig 360-45-27 5,000 Peter Sorensen William Harris

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Captain

Chief Engineer

216 Rockport Steamship Co., Sheboygan, Wis. (Operator)

Rockport Steamship Co., Wilmington, Del. owner
 W. W. Newcomet, Manager; M. G. Cook, Fleet Engineer
 (Both vessels are self-unloaders)
 John A. Kling 430-56-31 7,000 M. A. Baizaire Vincent C. Roth
 Charles C. West 452-60-31 8,000 E. C. Burke Sam Lorenz

217 Roen Steamship Co., Sturgeon Bay, Wis. (Owner and Operator)

John Roen (tug) K. Svendsahl Ed Johnson
 Transport (barge) Sam Long M. Defaut

218 Russell Construction Co. Ltd., Harbor Administration Bldg.,

Toronto, Ont.

J. O. Roddick, President
 Ethel (tug) Ray Hand Gordon Hand

Saginaw Dock & Terminal Co. (See Fleet No. 185)

219 St. Lawrence River Power Co., Massena, N. Y. (Owner and Operator)

C. W. Peden, Assistant Superintendent
 De Grasse (tug) E. J. Cline C. Warner
 William Hoopes (tug) E. J. Cline C. Warner

220 St. Lawrence Steamship Ltd., E. S. Crosby & Co. Inc., Marine Trust Bldg., Buffalo, Managing Agents

Algonquins Clarence Crompton Roy A. Milligan
 Cheyenne Wilford N. Morrison Fred Sleep
 Delaware Joseph K. Corson Colin MacDougall
 Sioux A. E. DeMill Robert A. McEwen

Salzburg Transportation Co. (See Fleet No. 62)

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Captain

Chief Engineer

- 221 *Sandusky & Islands Steamboat Co., Sandusky, O. (Owner and Operator)
Chippewa (passenger) V. W. Brown S. Wiers
- 222 Sarnia Steamship Ltd. of Sarnia, Ont., West St., Port Colborne, Ont.
(Operator)

Robert Scott Misener, Gen. Mgr.; John O. McKellar, Fleet Supt. and Engr.
Sarnia Steamships Ltd., owner

Joseph C. Burke	Sarnia Steamships Ltd., owner	J. Bowie	J. Calvert
Chemong		W. Nichols	D. Munvo
Drumahoe		W. A. Stewart	D. Barclay
Fairlake		J. W. Howey	R. Brown
Fairriver		C. H. Cole	R. Brett
Gilchrist		A. R. Rafuse	George Barrett
Houson		J. Halstead	C. Dunnett
Lockwell		J. W. Sharpe	D. McKenzie
Scott Misener		F. J. Bradey	L. Campbell
J. O. McKellar		A. G. McLean	A. Lyons
Portwell		L. Pain	J. Finlay
Rahane		W. Cornett	Fred Davison
Starwell		J. A. Dennis	M. Crawford
	Sarnia Steamships Ltd., operator		
Anna C. Minch	380-50-28 6,300	D. A. Kennedy	Vincent Reive
	Colonial Steamships Ltd., owner		
Brookton	247-43-26 2,100	no appointments will be made	
Bayton	416-50-28 7,500	Joseph H. Glass	K. B. DeMille
Berryton	480-52-30 8,300	J. E. Stewart	Owen Williams

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Captain

Chief Engineer

Easton	250-43-19 2,200	J. V. Norris.....	A. Pruder
Ethel			
Geistman		J. A. Walton	A. Kinnear
Laketon	416-50-28 7,800	C. E. Misener	A. McLaren
Mathewston	530-58-31 10,000	W. J. Moles	L. L. Crawford
Northton	248-43-25 4,200	M. Smith	W. Chambers
Riverton	452-48-28 7,800	E. C. Hawman	C. Reid
Royalton	530-58-31 12,000	C. R. Albinson	Victor Parker
Yorkton	250-43-19 2,200	J. A. Austin	J. Springthorpe
McKellar Steamships Ltd., owner			
Livingston		E. S. Bailey	T. Newham
Waterton		D. L. Wilson	J. G. Irwin

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- 223 Sayen, John, 2132 Lenox ave., Detroit (Operator)
Dark Tug Line, owner
- Samuel J. Dark (tug)..... no appointment..... Paul G. Rhodes
- 224 Scanes Boat & Dock, James, 401 Ohio st., Toledo, O.
Fort Meigs James Scanes Joseph H. Scanes
- 225 Schimpf, Mrs. Ina, 131 Grove st., Tonawanda, N. Y.
Philadelphia (tug) Thomas Fitzgerald Earl McDonald
- Schneider Transportation Co. (See Fleet No. 48)
- 226 Scott, Thomas J., 66 March st., Sault Ste. Marie, Ont. (Owner and Operator)
T. J. Scott (tug) T. J. Scott..... Ike Murray
T. J. S. No. 1 (scow)..... J. Biron

Captain

Chief Engineer

- 227 **Shenango Furnace Co., 1961 Union Trust Bldg., Cleveland (Operator)**
 Shenango Furnace Co., Pittsburgh, owner
 C. J. Peck, Manager; W. F. Riley, Superintendent
 Col. J. M. Schoonmaker 590-64-33 11.800 F. M. Hood.....Albert Fritz
 Shenango 585-58-32 10.800 R. Carlsen.....D. J. Milloy
 Wm. P. Snyder Jr..... 590-64-33 11.800 Frank H. Ott William Stroble
Sierra Steamship Co. (See Fleet No. 244)
- 228 **Sincennes McNaughton Tugs Ltd., 635 Common st., Montreal, Que.**
 Joseph Simard, President; R. A. Campbell, Managing Director
- | | | |
|----------------------------|-----------------------|----------------|
| Bonvoyage (tug) | J. Couillard | J. Lavallee |
| Brighton (barge) | L. Herbert | |
| Cobourg (barge) | D. Morel | |
| Yvon Dupre Jr. (tug) | E. Blais | D. Matte |
| Eureka (tug) | G. Couillard | J. Joly |
| Felicia (tug) | Joseph Millette | A. Lemay |
| Fire Chief (tug) | D. Mongeau | D. Lavallee |
| Londonderry (barge) | Joe Campeau | |
| Mathilda (tug) | E. Houde | J. Bernard |
| John Pratt (tug) | Z. Bibeau | A. Caurnoyer |
| Pierre Racine (tug) | P. Bibeau | D. Belisle |
| Rival (tug) | Lewis Orr | E. St. Germain |
- Tugs Fredmac, William Johnston, Sarnia City and Bonsecours, and Barges Mamie and Turret Court not in commission.
- 229 **Smith, Sidney E., 133 Admiral rd., Buffalo**
 Courtney (tug)

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Captain

Chief Engineer

- 230 **Smith Steamship Co., Leathem, 33 N. La Salle st., Room 2025, Chicago**
 Sinaloa 416-50-28
- 231 **Sorel Harbour Tugs Ltd., Sorel, Que. (Owner and Operator)**
 No definite appointments made at beginning of season
 Tugs Fraserville, Jean T., Joffre D., Marguerite T., Paul T., and Peter B., Derrick St. Laurent, Barges No. 1, No. 3, and Cataract, and 14 tow barges of 500 to 1500 tons capacity.
- 232 **South Chicago Coal & Dock Co., 222 West Adams st., Chicago, Ill.**
 Koalkraft Arthur J. Spotton Harry Zivney
- 233 **Sowards, Capt. J. F., Kingston, Ont. (Owner and Operator)**
 Patdoris W. Collins J. Lamoureaux
- 234 **Stadium Yacht Basin Inc., Foot of W. Third st., Cleveland**
 T. R. Zickes, Vice President
 Albatross (tug) not in commission
- 235 **Standard Oil Co., Whiting, Ind. (Owner and Operator)**
 F. D. Rexwinkle, Manager of Marine Dept.
 (All vessels are tankers)
- | | | |
|-------------------------|--------------------|-------------|
| William P. Cowan | J. Taylor | A. Lippie |
| Red Crown | N. Johnson | T. W. Iaing |
| Beaumont Parks | G. Carlson | J. R. Henry |
| Edward G. Seubert | E. Justmann | M. Swanson |
| Robert W. Stewart | H. A. Hansen | E. M. Smith |
- Tug Outagamie and Barge "C" not in commission.

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236	Stanton, J. A., 4694 Rocky River drive, Cleveland	
T. B. S. (sand boat)	not in commission	
237	Steel Products Transportation Co., Alexandria Bay, N. Y.	
J. Floyd Massey Jr.	C. A. Massey	Clarence Wells
238	Steinbrenner, George M., 706 Rockefeller Bldg., Cleveland (Operator)	
	Kinsman Transit Co., owner	
	No definite appointments made at the beginning of the season.	
Harry L. Findlay	532-56-31	9,500
Geo. M. Humphrey	586-60-32	11,000
Philip Minch	480-52-30	8,000
Henry Steinbrenner	420-50-28	6,400
239	Sullivan, D. & Co., 208 S. LaSalle st., Chicago (Operator)	
	Garland Steamship Co., owner	
Back Bay	244-32-47	Norman Purser F. J. Harmon
Bennington	238-42-22	Andrew Andresen John Rosenberg
Brandon	244-43-27	
Brockton	244-43-27	
Wm. E. Fitzgerald	420-52-28	7,000 T. E. Weisiger
Sullivan Bros.	437-50-28	7,000 Ray Langer
Wm. H. Wolf	504-54-30	9,000 Walter Anderson John Thomas
		Elmer Weborg A. Elhamer
	Sumatra Steamship Co. (See Fleet No. 244)	
240	*Superior Marine Supply Co., 3815 Itasca st., Superior, Wis.	
G. L. Bug (tug)	no appointments	
G. L. Hallam Bros. (tug)	no appointments	
	Tankers, Inc. (See Fleet No. 49)	

241	Tees Transit Co., 77 Sterling st., Hamilton, Ont. (Owner and Operator)		
	Capt. T. A. Tees, Manager		
C. W. Cadwell	Robert McKeen	George Kinchen	
Sandland	C. Forbes	Alex Nicholson	
242	Texas Co., Marine Dept., 332 S. Michigan ave., Chicago (Operator)		
	Texas Co., 135 E. Forty-second st., New York, owner		
Latin American (tug)	J. E. Murphy	E. Stengel	
Harvey (tug)	H. S. Miller	L. Austin	
Maine	R. E. Lee	M. Pelmas	
Texaco 155 (barge)	F. Bowman		
Texaco 156 (barge)	D. M. Blackman		
Texaco 158 (barge)			
243	Thousand Isle Navigation Co. Ltd., foot of Brock st., Kingston, Ont.		
	Steamers Champion and Frontenac not in operation, and offered for sale.		
244	Tomlinson, G. A., 2900 Terminal Tower, Cleveland (Operator)		
	Consolidated Steamship Co., owner		
M. E. Farr	580-60-32	12,500	
	Continental Steamship Co., owner		
Chas. E. Dunlap	580-60-32	12,500	
	Duluth Steamship Co., owner		
Sylvania	504-54-30	9,800	
	Globe Steamship Corp., owner		
Cuyler Adams	474-52-29	8,800	Jas. Davidson
Ball Bros.	480-52-30	9,000	580-60-32 12,500

Captain

Chief Engineer

Inter Ocean Steamship Co., owner			
Jas. E. Davidson	504-54-30	9,700	
Sierra Steamship Co., owner			
Sierra (self unloader)	438-52-28	7,200	J. E. Drury Leo Gallagher
National Steamship Co., owner			
Shasta	380-50-28	6,000	Sparta 380-50-28 6,000
Sumatra Steamship Co., owner			
Sumatra (self unloader)	405-48-28	6,000	E. W. Gonvaw H. Jewell
Triton Steamship Co., owner			
Rufus P. Ranney	420-52-28	7,500	
United Steamship Co., owner			
Col. E. M. Young (self unloader)			
	504-54-30	8,500	

245 Toronto, City of, Toronto, Ont. (Owner and Operator)

R. C. Harris, Commissioner of Works

G. R. Geary (tug)	F. T. Foulkes	T. S. Wilson
Ned Hanlan (tug)	C. Niece	H. E. Baillie

246 Toronto Transportation Commission, 35 Yonge st., Toronto, Ont. (Operator)

City of Toronto (Owner). H. C. Patten, General Manager; D. A. Peters, Marine Supt.			
Aymer (motor tug)	E. Foote	L. Linard	
Bluebell	F. Borland	H. Brittain	
Buttercup (motor launch)	W. Batchelor		
T. J. Clark	N. Miner	J. Gildert	
William Inglis (m.v.)	J. Grace	J. Osborn	

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Captain

Chief Engineer

Miss Simcoe (motor launch)	C. Cober	
Trillium	G. M. Brown	A. Maguire
Miss York (motor launch)	R. Yetman	

247 Transit Tankers & Terminals Ltd., 933 Hibernia rd., Montreal, Que.

(Operator)

Transiter (m.v.)	Rodolphe Tremblay	William N. Castles
Translake	Arcade Daneau	Romeo Marchand
Transriver	J. J. Deslauriers	A. Gagne

Tree Line Navigation Co., Ltd. (See Fleet No. 31)

Tri-Lakes Steamship Co. (See Fleet No. 177)

Triton Steamship Co. (See Fleet No. 244)

248 Trois Rivières, City of, Quebec (Owner and Operator)

Phil. Belleveuille, Supt.

Cite des Trois-Rivières	Honore Milot	Alfred Sauvageau
	Murray Lewis	Wilf. Lamothe
	Antoine Hamelin	
De Laverendrye	Camille Biron	Phil. Bouchard
	Murray Lewis	Henri Bouchard
	Eloi Toutant	

249 Union Transit Co. Ltd., 64 King st., East, Toronto, Ont.

Geo. R. Donovan, President

(Capacity in net tons at canal draft of 14 feet)

William Schupp	253-43-20	W. J. Brown	H. Fitzpatrick
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Captain

Chief Engineer

250 U. S. Engineer Office, War Department, 540 Federal Bldg., Buffalo	
Philip G. Bruton, Major, Corps of Engineers, District Engineer in Charge	
Burton (dredge)	John W. Wilke.....Herbert W. Johnson
Churchill (tug)	Clark U. Jones.....James Reed
Lockwood (survey boat)	Geo. F. Meyers
McDonough (tug)	Adrian Annal.....Elmer J. Murphy
Quintus (diesel tug)	
Black Rock (tug)	C. L. Sauberan
Savannah (dredge)	Harry J. Ruddy.....Wm. C. Dahlke
Taylor (dredge)	James McCauley.....Arthur N. Erickson

251 U. S. Engineer Office, War Department, 932 Postoffice Bldg., Chicago	
Thomas Lincoln Casey (tug).....	not in commission

252 U. S. Engineer Office, War Department, 605 Federal Bldg., Detroit	
Ariel (launch)	not in commission
Arrowhead (launch)	not in commission
Capt. A. Canfield (motor tug)	Lawrence R. Barrett...Fernelly J. Killips
Detroit (quarterboat)	Allen E. Wright
Col. J. D. Graham (motor tender).....	Gustav J. W. Jacobson .. Clarence Miller
Merganser (derrickboat)	Wilho A. Ala
Alfred Noble (tug)	Orlaf F. Sullivan...Erwin G. McCartney
No. 3 (derrickboat)	Chas. P. Sims
Pioneer (motor tender)	Norman L. Wilson
Pronto (motor launch)	Philip McArthur

St. Marys (quarterboat)	
E. S. Wheeler (motor tender).....	Clifford A. Aune
Wolcott (District motor boat).....	Thomas G. Fairbairn
	Harvey M. Hodge.....William C. Brady

253 U. S. Engineer Office, War Department, 408 Federal Bldg., Milwaukee	
Lt. Col. W. H. Holcombe, District Engineer; E. M. Nisen, Prin. Engineer	
Cumberland (tug)	Algie Alexander...Louis J. Hengartner
Kenosha (barge)	Forest Olson
Manitowoc (str.)	Allen M. Swan
Marinette (tug)	C. C. Fowler.....Wm. T. Toseland
G. G. Meade (dredge)	Palmer E. LaPlante...Andrew Tollefson
Menasha (tug)	William Rosie
Milwaukee (barge)	Jess G. Lanridge
Neenah (tug)	Clifford E. Velte.....David Clow
	Albert R. Nielson...Franklin C. Struck
	Lester G. LaPlante...Francis Vaughan

254 U. S. Lighthouse Service, Tenth District, Buffalo	
Roscoe House, Superintendent of Lighthouses	

Cherry (diesel tender)	J. P. Hassett.....F. A. Nassal
Crocus (stm. tender)	L. N. Ditlefsen.....H. K. Loveless
Sundew (stm. tender)	T. J. Downs.....J. B. Hill

255 U. S. Lighthouse Service, Eleventh District, Detroit	
Fred P. Dillon, Superintendent of Lighthouses	

Amaranth (stm. tender).....	P. H. O'Donnell
Aspen (stm. tender)	Albert Allain
Dahlia (mot. tender)	W. J. Eckel
Marigold (stm. tender)	Oscar B. Anderson
	E. J. Bondy
	Marshall H. Furtaw
	John A. Turmala.....John Duffy

Tamarack (mot. tender)
 Lightship No. 103 (str.)
 Lightship No. 75 (barge)

Captain **Chief Engineer**
 W. J. Farley Wm. S. Cochrane
 Frank Leimbach Marshall T. Clauson
 automatic

256 U. S. Lighthouse Service, Twelfth District, Milwaukee

G. B. Skinner, Superintendent

Hollyhock (stm. tender) Harry W. Maynard ... J. R. McCauley
 Hyacinth (stm. tender) Clifford Evenson F. DeCastro

257 U. S., Div. of Naval Reserve, Ninth Naval District, Great Lakes, Ill.

(These vessels have no permanent engineer)

	Commanding Officer
U. S. S. YP-61	Lt.-Commander R. D. Mills, D-F USNR
U. S. S. YP-62	Lt. H. J. Bartley, D-F USNR
U. S. S. Dubuque	Capt. R. T. Brodhead, D-VG USNR
U. S. S. Hawk	Lt.-Comdr. O. F. Heslar, DE-F USNR
U. S. S. Paducah	Comdr. A. O. Rabideau, D-F USNR
U. S. S. Wilmette	Capt. E. A. Evers, D-F USNR
U. S. S. Wilmington	Capt. A. F. Nicklett, D-F USNR
U. S. S. C. No. 64	Lieut. R. C. Lowes Jr., DE-F USNR
U. S. S. C. No. 330	Capt. G. F. Schwartz, D-F USNR
U. S. S. C. No. 412	Lt.-Comdr. E. F. Kiefer, D-F USNR
U. S. S. C. No. 432	Lieut. A. T. Pamperin, D-F USNR
U. S. S. YP-24	Lt.-Comdr. J. B. Coon, D-F USNR
U. S. S. YP-25	Lt. (jg) W. C. Jackson, D-F USNR
U. S. S. YP-26	Lt.-Comdr. O. F. Heslar, DE-F USNR

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U. S. S. YP-27
 U. S. S. YP-28
 U. S. S. YP-29
 U. S. S. YP-31
 U. S. S. YP-32

Captain **Chief Engineer**

Lt.-Comdr. S. D. Young, D-F USNR
 Lt.-Comdr. H. R. Harris, E-F USNR
 Lt.-Comdr. C. D. Finn, D-F USNR
 Lieut. A. F. Block, D-F USNR
 Lt.-Comdr. H. H. Crow, D-F USNR

258 United States Steel Products Co., 802 Rockefeller Bldg., Cleveland

E. R. Cassidy, Agent

Steel Chemist (m.v.)	250-44-17	1,600	J. G. Woerpel	W. S. Connaughton
Steelemotor (m.v.)	250-43-17	1,600	E. A. Richardson	H. T. Petersen
Steelevendor (m.v.)	250-43-17	1,600	G. L. Kane	W. R. Wright

259 United States Treasury Department—Coast Guard Vessels

Commander, Cleveland div., U. S. Coast Guard, Room 406 Rockefeller Bldg., Cleveland
 Vessels in Cleveland division

Vessel	Type	Location
Tahoma	Cruising Cutter	Cleveland, O.
Crawford	125-ft. Patrol Boat	Buffalo, N. Y.
Frederick Lee	125-ft. Patrol Boat	Toledo, O.
Jackson	125-ft. Patrol Boat	Rochester, N. Y.
Forward	100-ft. Patrol Boat	Oswego, N. Y.
Dix	125-ft. Patrol Boat	Erie, Pa.
CG-153	75-ft. Patrol Boat	Wyandotte, Mich.
CG-173	75-ft. Patrol Boat	Port Huron, Mich.
CG-192	75-ft. Patrol Boat	Grosse Pointe, Mich.
CG-219	75-ft. Patrol Boat	Cleveland, O.

129

Commander, Chicago div., U. S. Coast Guard, Room 816 New Postoffice Bldg., Chicago

Vessel	Type	Location
Escanaba	Cruising Cutter	Grand Haven, Mich.
Ossipee	Cruising Cutter	Sault Ste. Marie, Mich.
Antletam	125-ft. Patrol Boat	Milwaukee, Wis.
Diligence	125-ft. Patrol Boat	Two Harbors, Minn.
Ewing	125-ft. Patrol Boat	Alpena, Mich.
Rush	125-ft. Patrol Boat	Marquette, Mich.
Nansemond	100-ft. Patrol Boat	Chicago, Ill.
Colfax	125-ft. Patrol Boat	Two Rivers, Wis.
CG-119	75-ft Patrol Boat	Chicago, Ill.
St. Mary's River Patrol		Sault Ste. Marie, Mich.

United Steamship Co. (See Fleet No. 244)

260	United Towing & Salvage Co. Ltd., Port Arthur, Ont.
A. F. Bowman (tug)	E. Konderka
Coteau (barge)	
Tango (derrick scow)	
Strathbuoy (derrick scow)	
Strathmore (tug)	V. McCabe
James Whalen (tug)	J. Farquharson
	A. Morrison
	J. Gehl
	Sarnia, Ont.
Champlain (tug)	no appointments
Guardian (tug)	
Maplecourt	

261 United Towing & Salvage Co. Ltd., 635 Common st., Montreal, Que. (Operator)

Ponoka W. Fooloua

262 Upper Lakes & St. Lawrence Transportation Co. Ltd., Harbour Commission Bldg., Toronto, Ont. (Owner and Operator)

Frank B. Baird	G. M. Chadwick	Ernest L. James
Brown Beaver	A. W. Beatty	F. McInnis
Grey Beaver	A. E. McGee	J. Collingham
Ralph Budd	F. Burke	M. Leatherdale
Norman P. Clement	H. L. MacDonald	E. Hurley
William H. Daniels	J. E. McMurray	G. Murphy
Edwin T. Douglass	W. J. Ferguson	E. Boudreault
John Ericsson	S. Tischart	J. Gilbert
Albert C. Field	A. E. Parrott	M. Gingras
Glenbogie (barge)	W. Crosson	
Judge Hart	W. E. Ogg	A. Meihm
Alex. Holley (barge)	J. Fyke	
John A. Holloway	O. Gulbranson	G. Reid
Charles R. Huntley	F. Johnson	R. Herbert
Judge Kenefick	A. S. Cavanaugh	J. R. Jones
Norman B. MacPherson	F. Burmister	R. L. Bell
Watkins F. Nisbet	C. W. Simpson	L. Keleher
John S. Pillsbury	A. W. Hawman	G. Anderson
Robert W. Pomeroy	J. B. Scobie	F. Kelly
John J. Rammacher	T. Heffernan	W. Prentice

John B. Richards
 James Stewart
 Shirley G. Taylor
 George L. Torian
 William C. Warren
 Shelton Weed

Captain

C. B. Kirk H. Myers
 J. McGowan J. McLeod
 J. Allan E. Powell
 A. N. Hogue A. Carrier
 H. Welbanks H. Adams
 J. A. Buchanan A. J. Burton

Chief Engineer

263 Valley Camp Coal Co. of Canada Ltd., Port Colborne, Ont., and

Victory Bldg., Toronto, Ont. (Owner and Operator)

Valley Camp 252-43-26 2.700 Bruce A. Nichols Frank Brinkenden

264 Ver Duin, William, Grand Haven, Mich. (Owner and Operator)

C. J. Bos (diesel tug) Wm. Ver Duin Walter Fritz

265 Vermilion Sand & Supply Co., The, Vermilion, O. (Owner and Operator)

Peter Full, Manager
 R. W. Holst Geo. Blattner Geo. Lang

Virginia Steamship Co. (See Fleet No. 105)

266 Wabash Railway Co., Detroit (Owner and Operator)

Enoch Cram, Fleet Captain
 Norman B. Pitcairn and Frank C. Nicodemus Jr., Receivers, Railway Exchange Bldg.,
 St. Louis

Detroit (car ferry) J. I. Bufton C. E. Nantau
 Manitowoc (car ferry) George Yates E. J. Fitzgerald

A. Johnson, alternate
 Transfer (car ferry) R. Tobin George Schuchard
 Windsor (car ferry) E. C. Ram D. A. Patterson
 J. J. Mahon, alternate

132

Captain

Chief Engineer

267 Walkerville & Detroit Ferry Co., Foot Jos. Campeau ave., Detroit

E. Thibert, Superintending Engineer
 Essex A. B. Bailey
 Halcyon J. McCarthy C. Lowery
 Wayne H. Lively P. McLaren

268 Welch, Milo S., 1160 Portage, Sault Ste. Marie, Mich.

Pittsburgh (tug)

269 Wells Construction Co., 1121 Schofield Bldg., Cleveland (Owner and Operator)

R. A. Boccia, Fleet Captain
 Edward K. (tug) A. P. Johnson L. Reilly
 North Harbor (tug) R. Hamilton W. Voight
 Red Crown (tug) L. Mertangl
 Lorene (tug) C. Bentley
 J. R. Sprinkle (tug) John McIver L. Moore
 Norman Kelley (derrick scow) Otto Anderson
 John H. Pellett (derrick scow) Hugo Grafton Tony Campesi
 Wawasee (derrick scow) Guido Pierpouli Don Stanton
 Welston (derrick scow) Toni Mahi Peter Ranftl

270 Wilson Transit Co., 960 Rockefeller Bldg., Cleveland (Owner and Operator)

Captain Joseph S. Wood, President
 No definite appointments made at the beginning of the season.
 Chas. S. Hebard 504-54-30 8,800 Jas. McNaughton 580-60-32 11,100
 Robt. L. Ireland 504-54-30 9,000 A. W. Osborne 400-48-28 5,900
 Edw. S. Kendrick 520-54-31 9,100 Chas. A. Paul 520-54-31 9,100

133

Captain

Chief Engineer

A. T. Kinney	504-54-30	9,000
E. J. Kulas	580-60-32	11,100
Frank E. Taplin	420-52-28	6,800
J. E. Upson	504-54-30	8,800

S. H. Robbins	444-50-29	6,800
Robt. B. Wallace	525-55-31	9,600
Capt. Thos. Wilson	420-50-29	6,500

271 Wisconsin & Michigan Steamship Co., 350 N. Plankinton ave., Milwaukee	
Mark T. McKee, President; L. N. Biron, Vice President-General Manager Sand Products Corp., 2489 National Bank Bldg., Detroit, owner	
Illinois	F. RichardsonOscar Dahlgren
Missouri	not in commission
Muskegon Dock & Fuel Co., 2489 National Bank Bldg., Detroit (Owner)	
Nevada	A. K. Hoxie.....Claude Waite
272 *Wright, Capt. Samuel, 12 Centre st., Port Arthur, Ont. (Operator)	
Mrs. M. Wright, owner	
John R. (tug)	Sam Wright.....Tom Pollard
273 Wyandotte Transportation Co., 1622 Ford Bldg., Detroit	
N. H. Morgan, Manager; R. W. Smith, Superintending Engineer	
Alpena	John E. Broadwell ... Elmer Malcomson
Conneaut	W. H. Yates Neil McNeil
Huron	J. C. McCormick.....Justin Houston
Wyandotte	Henry F. Kresin.....William Rowland
274 Zenith Dredge Co., 403 Bradley Bldg., Duluth (Owner and Operator)	
Faying (tug)	not in commission
Mystic (tug)	not in commission
Alice Vivian (dredge)	John V. Carlson.....Mauritz Harris



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WATER TREATMENT
 offers many advantages to the Marine Engineer.
 It keeps boilers and feedlines clean. It is easy to handle. No measuring of chemicals.
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GENERAL OFFICES

Foot of West 54th street, N. W., Cleveland, O.

G. A. Tomlinson, Chairman of Board.**W. H. Gerhauser**, President.**J. L. Wallace**, Assistant to President.**J. E. Davidson**, Vice President and Treasurer.**G. W. Cottrell**, Vice President and General Counsel.**R. B. Ackerman**, Secretary and Auditor.**G. C. Sheidler**, Assistant Secretary and Assistant Treasurer.**J. C. Workman**, Chief Engineer.**E. G. Turner**, Chief Draftsman, Engineering Dept.**E. B. Williams**, Naval Architect.**John E. Steinman**, General Superintendent.**Fred L. Obert**, Manager of Order Dept.

CLEVELAND PLANT

Foot of West 54th street, N. W.

James Thompson, Superintendent.**BUILDING BERTH:** One; maximum size of ship, 750 feet.**REPAIR FACILITIES:** Fully equipped, with dry dock, foundry, machine shop, boiler shop, sheet metal shop, pipe shop, joinery shop, electrical shop, pattern shop, etc., for making complete repairs to ships' hulls, engines, boilers, and auxiliary machinery. 80-ton shear legs.**DRY DOCK:** Length over all 547' 0"; width of entrance at top, 65' 0"; depth over sill 12' 9".**FLOATING REPAIR EQUIPMENT:** One self-propelled steam derrick scow with 10-ton lift; one motor boat, and one barge, all equipped

with air compressors, electric welding outfits, etc. Also, two delivery launches.

GENERAL INFORMATION: Carries complete stocks of propeller blades, grate bars, furnace fittings, auxiliary machinery parts, etc.

LORAIN PLANT

• Colorado avenue,
Lorain, Ohio

Joseph B. Conley, Superintendent.

BUILDING BERTHS: Four; two for ships up to 735 feet, and two for ships up to 550 feet.

REPAIR FACILITIES: Fully equipped, with dry docks, machine shop, boiler shop, sheet metal shop, pipe shop, joinery shop, electrical shop, heavy forging shop, etc., for making complete repairs to ships' hulls, engines, boilers, and auxiliary machinery. 80-ton shear legs.

DRY DOCKS: No. 1—Length over all, 586' 0"; width of entrance at top, 66' 0"; depth over blocks, 14' 6".

No. 2—Length over all, 736' 0"; width of entrance at top, 80' 0"; depth over blocks, 14' 6".

FLOATING REPAIR EQUIPMENT: Two barges, equipped with air compressors, electric welding outfits, etc. Also, one delivery launch.

BUFFALO PLANT

191-301 Ganson street, Buffalo, N. Y.

L. H. Reynolds, Superintendent.

REPAIR FACILITIES: Fully equipped, with dry docks, machine shop, sheet metal shop, pipe shop, joinery shop, electrical shop, etc., for making complete repairs to ships' hulls, engines, boilers, and auxiliary machinery. 80-ton shear legs.

DRY DOCKS: No. 1—Length over all, 470' 0"; width of entrance at top, 61' 10"; depth over blocks, 13' 6".

No. 2—Length over all 630' 0"; width of entrance at top, 81' 2"; depth over blocks, 13' 10".

No. 3—Length over all, 401' 0"; width of

REPAIRS STEAM—ELECTRIC

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Lafayette 5520

BUFFALO

1132 Seneca St.
Jefferson 2410

Westinghouse

ELECTRIC & MFG. CO.

entrance at top, 53' 0"; depth over blocks, 14' 6".

FLOATING REPAIR EQUIPMENT: One self-propelled steam derrick scow with 10-ton lift, and one barge, both equipped with air compressors, electric welding outfits, etc. Also, two delivery launches.

CHICAGO PLANT

101st street and Calumet river,
South Chicago, Ill.

John Sinclair, Superintendent.

REPAIR FACILITIES: Fully equipped, with dry docks, machine shop, joinery shop, electrical shop, etc., for making complete repairs to ships' hulls, engines, boilers, and auxiliary machinery. 80-ton shear legs.

DRY DOCKS: No. 1—Length over all, 570' 0"; width of entrance at top, 71' 8"; depth over blocks, 15' 0".

No. 2—Length over all, 727' 4"; width of entrance at top, 90' 2"; depth over blocks, 16' 0".

FLOATING REPAIR EQUIPMENT: One repair launch and one repair scow, both equipped with air compressors, electric welding outfits, etc. Also, one delivery launch.

SUPERIOR PLANT

Clough ave., and Third st., Superior, Wis.

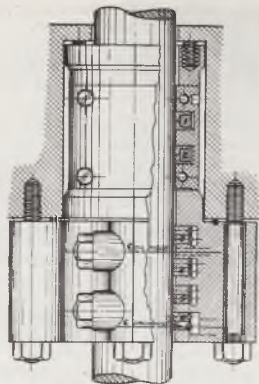
R. J. Close, Superintendent.

REPAIR FACILITIES: Fully equipped, with dry docks, machine shop, joinery shop, electrical shop, etc., for making complete repairs to ships' hulls, engines, boilers, and auxiliary machinery.

DRY DOCKS: No. 1—Length over all, 609' 0"; width of entrance at top, 66' 0"; depth over sill, 13' 6".

No. 2—Length over all, 620' 0"; width of entrance at top, 66' 6"; depth over sill, 17' 6".

FLOATING REPAIR EQUIPMENT: Self-propelled steam derrick scow with 10-ton lift and equipped with air compressor, electric welding



ANKORITE STYLE No. 669

This is a hi-pressure marine split type packing with pressure breakers in groove 1 and 2 in a floating case which are non-collapsible and are intended to cut down initial pressure on packing before it reaches the collapsible packing rings in grooves 3-4 and 5. A spring bushing holds parts firmly in place, the outer case is drilled and tapped for oil and drain connections. The lower pair of rings is designed to strip water from the rod to the drain provided, thus eliminating the moisture around rods. It is a known fact that this combination is adding years of service to the collapsible rings in grooves 3-4 and 5.

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outfit, etc. Also, motor boat fitted with electric welder and air compressor.

Thomas B. Banner Boiler & Welding Co.

15 West Ohio street, Chicago, Ill.

John L. Banner, President.

GENERAL INFORMATION: Have repair facilities to do plate work above water line. Do any kind of boiler and welding work.

Canadian Vickers, Limited

Maisonneuve, Montreal, Canada.

J. E. LaBelle, K. C.

J. W. Savidant, Comptroller.

W. J. Wardle, Manager, Marine Department.

REPAIR FACILITIES: Fully equipped to handle any vessel coming to Montreal.

BUILDING BERTHS: Six; length 500 feet.

DRY DOCK: One floating dock, 600 feet long, operated in one or two sections.

The Collingwood Shipyards, Ltd.

Collingwood, Ont.

REPAIR FACILITIES: Fully equipped for all kinds of repairs to steel or wooden vessels—engines, boilers and auxiliaries.

BUILDING BERTHS: Five.

DRY DOCKS: No. 1—518' by 56' 0"; at entrance. No. 2—412' by 95' 0" at entrance.

LIMITING CONDITIONS: 16' 0" draught.

Defoe Boat & Motor Works

Bay City, Mich.

H. J. Defoe, Manager.

W. E. Whitehouse, Asst. Manager.

A. D. Defoe, Purchasing Agent.

Albert Johnson, Superintendent.

MARINE RAILWAY—500 Tons.

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Mgr. Fuel Dept.

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River Rouge, Mich.

F. G. Morley, President and Treasurer.

George B. Turnbull, Vice Pres. and Gen. Mgr.

R. C. Lakin, Secretary.

Dwight True, Naval Architect.

Howard M. Varian, Chief Engineer.

C. E. Baisley, Yard Manager.

REPAIR FACILITIES: Complete for ship, engine and machinery repairs.

BUILDING BERTHS: Three, 800 foot ship.

DRY DOCKS: No. 1—Steel floating dock 626' over all.

No. 2—Steel floating dock, 162' over all.

ASHTABULA, OHIO, PLANT

Leonard Feldmeyer, Yard Manager; **Ed MacKenzie**, Superintendent.

REPAIR FACILITIES: Complete for ship, engine and machinery repairs.

BUILDING BERTHS: One; 800 foot ship.

DRY DOCK: Concrete dock, 650' over all.

DETROIT, MICH., PLANT

W. Roemer, Manager.

REPAIR FACILITIES: Complete for engine and machinery repairs.

The Great Lakes Towing Co.

General Office

1800 Terminal Tower, Cleveland, O.

Yard

Foot Jefferson St., Cleveland, O.

G. A. Tomlinson, President.

M. H. Wardwell, Secretary and Treasurer.

H. N. Hobart, Assistant to the President.

REPAIR FACILITIES: Repairs on either steel or wooden tugs and other small craft either steel or wood hulls.

DRY DOCKS: Floating dry dock 80 feet long.

Thomas B. Banner Boiler & Welding Company

John L. Banner

Plate Work

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Ship Carpenters

Dock Repairing

Machinists

Electric and

Acetylene Welding

Engineer's Supplies

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Delaware 1528

Night Phones: { Buckingham 2821
Lakeview 2498

Chicago, Ill.
15 West Ohio Street

with minimum clearance between the towers of 33 feet.

LIMITING CONDITIONS: Can dock tugs and small craft not exceeding the dimensions given above and drawing not more than 12 feet of water.

Kingston Shipbuilding Co., Ltd.

KINGSTON, ONTARIO, PLANT

REPAIR FACILITIES: Fully equipped for all kinds of repairs to steel or wooden vessels—engines, boilers and auxiliaries.

BUILDING BERTHS: Two.

DRY DOCK: No. 1—379' 6" by 55' 0" at entrance.

LIMITING CONDITIONS: 16' 0" draught.

Lake Erie Shipbuilding Co., Inc.

Shipbuilders and Engineers

Marine Trust Bldg., Buffalo, N. Y.

Adam E. Cornelius, President.

Wm. J. Conners, Jr., Vice President.

James E. McAlpine, Secretary.

George W. Contant, Treasurer.

BUFFALO PLANT

Foot of Michigan Ave.

REPAIR FACILITIES: All types of hull repairs above waterline. Fully equipped to handle machinery, boilers, electrical, piping and other repairs.

TOLEDO PLANT

902 Water Street

REPAIR FACILITIES: All types of hull repairs above waterline. Fully equipped to handle machinery, boiler, electrical, piping and other repairs.

Marine Iron & Ship Building Co.

Boiler Makers

Machinists

Carpenters

Foundrymen

Electric and

Acetylene Welders

Telephone: Melrose 735-6

Duluth, Minnesota

Manitowoc Ship Building Co.

Manitowoc, Wis.

Charles C. West, President.

A. L. Nash, Vice President and Treasurer.

J. E. Thiell, Secretary.

A. P. Rankin, Vice President, Chief Engineer.

J. A. Egan, Assistant Treasurer.

W. L. Wallace, General Manager and Naval Architect.

H. A. Meyer, Purchasing Agent.

A. L. Plitz, General Superintendent.

J. J. Norris, Superintendent (Boiler Works).

REPAIR FACILITIES: Full facilities for boiler, machinery and hull repairs.

BUILDING BERTHS: Three; 600 feet.

DRY DOCKS: No. 1—Floating dock 650' x 70'.

GENERAL INFORMATION: Maintain complete facilities for all classes of ship repairs, also furnishing of stores and supplies.

Marine Iron & Ship Building Co.

Foot 11th Ave., West Duluth, Minn.

M. Christianson, President.

John Abernethy, Vice President and Chief Engineer.

John Gelstman, General Manager and Secretary

A. Halvorson, Naval Architect.

Swan Larson, Superintendent.

REPAIR FACILITIES: Hull and engine.

BUILDING BERTHS: Two; 300 feet.

DRY DOCK: Floating, 1500 ton.

A. B. McLean & Sons

Brock Street Dock

Sault Ste. Marie, Ontario

Capt. R. A. and John McLean, Managers.

REPAIR FACILITIES: Machine shop. Air com-

HARRY SAEFKE

Phone: Lakeside 1205

AL NIENOW

Phone: Lakeside 594

OFFICE PHONE: MARQUETTE 3488

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MARINE REPAIRS OF ALL KINDS

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Packings of All Kinds

Machine Shop in

Connection

830 North Fourth Street, MILWAUKEE, WIS.

pressors. Electric arc welding outfit, etc. for making complete repairs to hulls, engines, boilers and auxiliary machinery.

DRY DOCK: Floating dry dock. Length over all 112'. Width of entrance at top 49' 6". Depth over blocks 13'.

Midland Shipbuilding Co., Ltd.

Midland, Ontario

W. H. Coverdale, President.

T. R. Enderby, General Manager.

R. B. Thomson, Secretary.

H. A. Cresswell, Treasurer.

James Wilkinson, Manager.

Arthur B. Clark, Chief Engineer.

REPAIR FACILITIES: Fully equipped for boiler or engine repairs.

BUILDING BERTHS: One at 650' or two at 265'.

Port Arthur Shipbuilding Co., Ltd.

Port Arthur, Ont., Can.

R. M. Wolvin, President.

J. S. Leitch, Vice President.

G. F. McDougall, Manager and Secretary-Treasurer.

L. E. Tornroos, Naval Architect and Chief Engineer.

H. W. Walton, Shipyard Superintendent.

REPAIR FACILITIES: Complete facilities for repairs to hulls, engines, boilers and auxiliaries.

BUILDING BERTHS: Two, 650' long.

DRY DOCK: One 700' long, 98' wide. Water over sill at normal lake level 16'.

Sturgeon Bay Ship Building & Dry Dock Co.

Sturgeon Bay, Wis.

Capt. John Roen, President.

William J. Wolter, Secretary and Treasurer.

Walter W. Haertel, Naval Architect.

MARINERS' MANUAL OF THE GREAT LAKES

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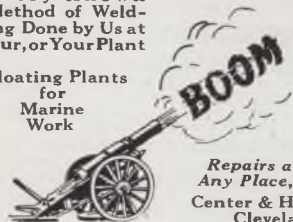
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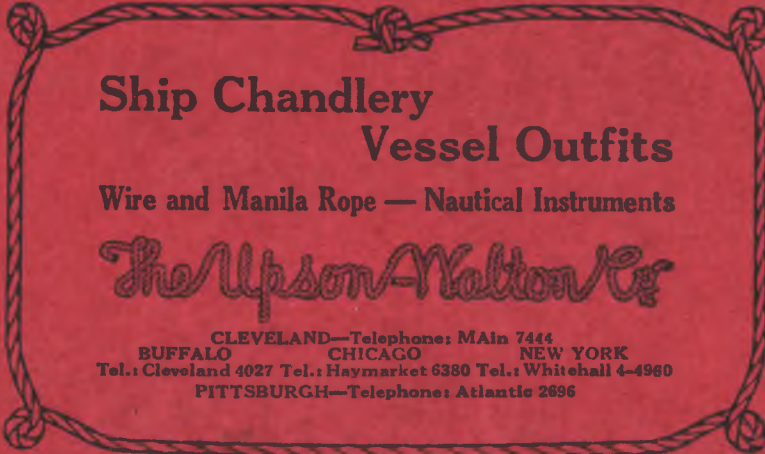
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