

# NORTHERN PACIFIC RAILWAY COMPANY.

**DULUTH AND SUPERIOR TERMINALS**

# TIME 114 TABLE

**In Effect at 12:01 A. M. Central or 90th Meridian Time.**

**SUNDAY, SEPTEMBER 21, 1924.**

**For the Government of Employes only. The Company reserves the right to vary therefrom at pleasure. Be positive that you have the Current Time Table and destroy all previous numbers. Read carefully the Special Instructions and always have for reference a copy of TRANSPORTATION RULES.**

**C. L. NICHOLS,**  
General Manager.

**NEWMAN KLINE,**  
General Superintendent.

**W. H. STRAGHAN,**  
Superintendent.

**P. H. MCCAULEY,**  
General Superintendent of Transportation.

**WESTWARD**

**FIRST SUB-DIVISION  
(DULUTH AND SUPERIOR TERMINAL)**

FIRST CLASS															Station Numbers Distance from D. & I. R. Jct.	TIME TABLE No. 114 September 21, 1924. Succeeding No. 113.	Distance from Fond du Lac	Car Capacity of Sidings	FIRST CLASS								SECOND CLASS			
401	181	55	201	53	185	61	59	403	189	63	51	203	71	191					303	57	65	405	407	409	411	627				
D. & I. R. 50	N. P. 181	N. P. 55	D. M. & N. 1	N. P. 54	N. P. 185	N. P. 61	N. P. 59	D. & I. R. 2	N. P. 189	N. P. 63	N. P. 52	D. M. & N. 3	N. P. 71	N. P. 191					D. W. & P. 19	N. P. 57	N. P. 65	D. & I. R. 52	D. & I. R. 4	D. & I. R. 58	D. & I. R. 162	N. P. 627				
Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr					Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Freight			
Daily	Ex. Sun.	Daily	Daily	Daily	Sun. only	Ex. Sun.	Daily	Ex. Sun.	Ex. Sun.	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Ex. Sun.	Daily	Sat. only	Sun. only	Daily								
AM	AM	AM	AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM							
L 6.50								L 11.56										L 2.35	L 5.06	L 10.05	L 9.16									
A 6.55	L 6.45	L 7.00	L 8.00	L 8.15	L 8.40	L 8.25	L 9.10	A 12.00	L 12.05	L 2.00	L 3.00	L 3.50	L 4.15	W G O T Y X	WB 71	0.9	DU	DULUTH	DN	14.2	L 5.25		L 7.30	L 11.30	A 2.40	A 5.10	A 10.10	A 9.20		L 8.00
	6.48	A 7.04	8.03	A 8.18	8.43	8.28	A 9.13		12.09	2.02	A 3.04	3.53	4.19			1.9		GARFIELD AVE.		13.2	5.28	L 7.08	A 7.34	11.34						8.07
	6.49		8.04		8.44	8.29			12.10	2.03		3.54	4.20		L 2	2.2		20TH AVE.		12.9	5.29	7.09		11.35						8.09
	6.51		A 8.06		8.46	8.31			12.12	2.04		A 3.56	4.22		L 02	2.8		D. M. & N. JCT.		12.3	5.31	7.11		11.37						8.16
	6.56				8.52	8.37			12.18	2.07			4.27			4.4		D. W. & P. JCT.		10.7	5.36	A 7.15		11.43						8.27
	6.58				8.54	8.39			12.21	2.10			4.30		L 04	5.1	WU	WEST DULUTH	DN	10.0	5.38			11.46						8.31
	7.00				8.56	A 8.42			12.24	A 2.12			A 4.33	W Y X	L 5	5.8		WEST DULUTH JCT.		9.3	5.41			A 11.50						A 8.35
	7.06				9.04				12.31							8.1		D. T. CROSSING		8.1										
	7.07				9.05				12.32						LB 2	8.5		SPIRIT LAKE		6.6	5.49									
	7.10				9.08				12.36						LB 3	9.7		MORGAN PARK Minn. Steel Co. Crossing		8.4	5.53									
	7.13				9.11				12.39							10.7		BOAT CLUB		4.4	5.56									
	7.18				9.17				12.45						LB 5	12.4	WD	NEW DULUTH	D	2.7	6.01									
AM	A 7.25 AM 180	AM	AM	AM	A 9.26 AM 184	AM	AM	AM	A 12.55 PM 188	PM	PM	PM	PM		LB 8	15.1	FN	FOND DU LAC	D	0.0	A 6.09 PM 190	PM	PM	PM	PM	PM	PM	PM	PM	PM
Daily	Ex. Sun.	Daily	Daily	Daily	Sun. only	Ex. Sun.	Daily	Ex. Sun.	Ex. Sun.	Daily	Daily	Daily	Daily								Daily	Daily	Daily	Daily	Ex. Sun.	Daily	Sat. only	Sun. only	Daily	
.05	.40	.04	.06	.03	.46	.17	.03	.04	.50	.12	.04	.06	.18								.44	.07	.04	.26	.05	.04	.05	.04	.35	
10.8	21.3	15.0	19.0	20.0	18.5	17.2	20.0	13.5	17.0	24.5	15.0	19.0	18.3								19.3	21.4	15.0	14.7	10.8	13.5	10.8	13.5	8.4	
															Time Over Sub-Division											.35				
															Average Speed Per Hour											8.4				

**EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.  
DOUBLE TRACK BETWEEN DULUTH AND WEST DULUTH JUNCTION.  
AUTOMATIC BLOCK SIGNALS FROM D. M. & N. JCT. TO WEST DULUTH JCT.**

**SPECIAL INSTRUCTIONS PAGE 6.**

**REGISTER STATIONS:** Duluth Union Depot, West Duluth and Fond du Lac for first class trains and passenger extras.  
Rice's Point yard office, West Duluth and Fond du Lac for second and third class trains and extras.

**REGISTER EXCEPTIONS:** At West Duluth No. 64 and No. 627 will register by ticket.  
At West Duluth, Eastward second class and inferior trains from Third Sub-Division main track will register by ticket.

**BULLETIN STATIONS:** Duluth Union Depot.  
Rice's Point yard office.

**STANDARD TIME CLOCKS:** Duluth Union Depot, Telegraph Office.  
Rice's Point yard office.

**YARD LIMITS:**

Duluth yard extends from connection with D. & I. R. Ry., at Fifth Ave. East, to the easterly end of the St. Louis River bridge, and from Garfield Avenue to the yard limit sign on the Third Sub-Division main track west of West Duluth Junction, and to Grassy Point bridge.

**BRIDGE RESTRICTIONS:**

Duluth to Fond du Lac no restrictions.  
Great Northern Power Co. track. Speed will be restricted on all bridges for S, S1, S3, S4 and S10 to eight (8) miles per hour.  
Engine classes T, Q1 and heavier will not be permitted.

**DERAIL SWITCHES:**

When not in use must be kept set in derailing position.  
Main track 110 feet west of Fond du Lac Depot.  
Great Northern Power Co.'s track 230 feet east of Bridge No. 5.

FIRST SUB-DIVISION.  
(DULUTH AND SUPERIOR TERMINAL)

EASTWARD

FIRST CLASS														Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers	Distance from D. & I. R. Jct.	TIME TABLE No. 114 September 21, 1924. Succeeding No. 113.		Distance from Fond du Lac	Car Capacity of Sidings	FIRST CLASS										SECOND CLASS
400	66	180	58	304	184	202	72	52	62	188	204	56	190				64	54			60	402	404	406	408	410	628				
D. & I. R. 3	N. P. 66	N. P. 180	N. P. 58	D. W. & P. 20	N. P. 184	D. M. & N. 2	N. P. 72	N. P. 51	N. P. 62	N. P. 188	D. M. & N. 4	N. P. 56	N. P. 190	N. P. 64	N. P. 53	N. P. 60	D. & I. R. 51	D. & I. R. 1	D. & I. R. 53	D. & I. R. 59	D. & I. R. 163	N. P. 628									
Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Freight									
Daily	Daily	Ex. Sun.	Daily	Daily	Sun. Only	Daily	Daily	Daily	Ex. Sun.	Ex. Sun.	Daily	Daily	Daily	Daily	Daily	Daily	Ex. Sun.	Ex. Sun.	Daily	Sat. Only	Sun. Only	Daily									
AM 7:34	AM	AM	AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	0.0	D & I. R. JCT.	15.1	PM	PM	PM	PM	AM 12:10	PM 3:19	AM 5:20	PM 10:19	AM 9:30	AM						
L 7:30	A 6:30	A 8:09	A 8:35	A 10:10	A 10:57	A 10:25	A 11:50	A 2:10	A 1:45	A 3:45	A 6:08	WGO TYX	0.9	DU DULUTH	DN 14.2	Yard	A 6:55	A 6:00	A 7:35	A 10:10	L 12:05	L 3:15	L 5:15	L 10:15	L 9:25	A 5:30					
	6:26	8:06	L 8:31	A 9:52	10:07	10:54	10:21	L 11:47	2:06	1:41	3:42	L 6:02	1.9	1.0	GARFIELD AVE.	13.2	6:52	5:57	L 7:32	L 10:06						5:24					
	6:24	8:05		9:51	10:06	10:53	10:20		2:05	1:40	3:41		2.2	0.2	20TH AVE.	12.9	6:51	5:56								5:23					
	6:21	8:03		9:49	10:04	L 10:51	10:18		2:02	1:38	L 3:39		2.8	0.6	D. M. & N. JCT.	12.3	6:49	5:54								5:19					
													3.6	0.8	SOO LINE CROSSING.	11.5															
	6:14	7:58		L 9:44	9:59		10:12		1:55	1:33			4.4	0.8	D. W. & P. JCT.	10.7	6:44	5:49									5:09				
	6:11	7:56		9:57	10:09		10:09		1:52	1:30			5.1	0.7	WU WEST DULUTH.	DN 10.0	6:42	5:47									5:05				
	L 6:08	7:54		9:55	L 10:05		L 1:48	1:28				WYX	5.8	0.7	WEST DULUTH JCT.	9.3	6:39	L 5:45									L 5:00				
													7.0	1.2	D. T. CROSSING.	8.1															
		7:48		9:49					1:21				8.1	1.1	RIVERSIDE.	7.0	6:32														
		7:47		9:48					1:20			LB 2	8.5	0.4	SPIRIT LAKE.	6.6	6:31														
		7:44		9:45					1:16			LB 3	9.7	1.2	MORGAN PARK.	5.4	6:27														
		7:41		9:42					1:13				10.7	1.0	BOAT CLUB.	4.4	6:24														
		7:36		9:37					1:08			LB 5	12.4	1.7	WD NEW DULUTH.	D 2.7	6:19														
AM	AM	L 7:28	AM	AM	L 9:30	AM	AM	AM	PM	L 1:00	PM	PM	15.1	2.7	FN FOND DU LAC.	D 0.0	L 6:10	PM 1:01	PM	PM	PM	PM	PM	PM	PM	AM					
Daily	Daily	Ex. Sun.	Daily	Daily	Sun. Only	Daily	Daily	Daily	Ex. Sun.	Ex. Sun.	Daily	Daily					Daily	Daily	Daily	Daily	Ex. Sun.	Ex. Sun.	Daily	Sat. Only	Sun. Only	Daily					
.04	.22	.41	.04	.08	.40	.06	.20	.03	.22	.45	.06	.06					.45	.15	.03	.04	.05	.04	.05	.04	.05	.30					
13.5	13.3	20.7	15.0	18.7	21.3	19.0	14.7	20.0	13.3	18.9	19.0	10.0					18.9	19.6	20.0	15.0	10.8	13.5	10.8	13.5	10.8	9.8					

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION EXCEPT

- No. 181 is Superior to No. 180, West Duluth Jct. to Fond du Lac.
- No. 185 is Superior to No. 184, West Duluth Jct. to Fond du Lac.
- No. 189 is Superior to No. 188, West Duluth Jct. to Fond du Lac.
- No. 191 is Superior to No. 190, West Duluth Jct. to Fond du Lac.

DOUBLE TRACK BETWEEN DULUTH AND WEST DULUTH JUNCTION.  
AUTOMATIC BLOCK SIGNALS FROM D. M. & N. JCT. TO WEST DULUTH JCT.

SPECIAL INSTRUCTIONS PAGE 6.

AT DULUTH:

Garfield Avenue, junction switches will be kept set for First Sub-Division.  
Rice's Point Yard, trains heading in and using the Dick tracks, Nos. 1 and 2, must not block the crossing at 19th Ave. West.  
Fifth Ave. West, main track switch near Fifth Ave. West leading into Union Depot for use of D. & I. R. Ry. passenger trains, will be kept set and locked for main track.  
Garfield Avenue, all trains come to full stop not less than two hundred (200) feet from junction switch and cross-over used by D. W. & P. Ry. trains and not proceed until track is known to be clear.

AT FOND DU LAC:

Track between Fond du Lac and Power Plant will not be used except by authority of train orders.

AT WEST DULUTH JUNCTION:

Switch engines will use west leg of wye at West Duluth Junction and the Fond du Lac main track between West Duluth Junction and yard limit board for switch purposes, but will not leave cars on these tracks. All trains will look out for switch engines working in these limits. Switches at end of double track West Duluth Junction will be kept set and locked for Eastward trains from Third Sub-Division main track.

WESTWARD

SECOND SUB-DIVISION.  
(DULUTH AND SUPERIOR TERMINAL)

FIRST CLASS														Water, Fuel, Scales, Turn Tables, Wyes and Yard Limbs.	Station Numbers	Distance from Garfield Ave.	TIME TABLE No. 114 September 21, 1924. Succeeding No. 113.	Distance from Central Ave.	Car Capacity of Sidings	FIRST CLASS			SECOND CLASS		THIRD CLASS	
55	53	23	33	59	165	63	19	51	95	93	57	35	89							17	65	623		729		
N. P. 55	N. P. 54	G. N. 23	G. N. 33	N. P. 59	Omaha 65	N. P. 63	G. N. 19	N. P. 52	Omaha 95	Omaha 93	N. P. 57	G. N. 35	Omaha 89	G. N. 17	N. P. 65	N. P. 623		N. P. 730								
Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Pass'gr	Freight		Way Freight								
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily		Mon., We., Fri.								
L 7.04 <sup>AM</sup>	L 8.18 <sup>AM</sup>			L 9.13 <sup>AM</sup>							L 3.04 <sup>PM</sup>		L 7.34 <sup>PM</sup>													
7.07	8.21			9.15							3.06		7.37													
7.09	8.23	L 8.32	L 8.42	9.17	L 9.26		L 4.07	3.08	L 3.01	L 5.48	7.39	L 8.07														
7.12	8.26	8.37	8.45	9.20	9.30		4.11	3.11	3.06	5.52	7.42	8.12														
7.15	8.29	8.39	8.47	9.22	A 9.33		4.14	3.13	A 3.13	A 5.55	7.44	8.14														
7.16	8.30	8.40	8.48	9.23		L 2.23	4.15	3.14			7.45	8.15	X	WB 67	3.2	BY	11.42	12.05								
7.18	8.31	8.41	8.49	9.24		2.24	4.16	3.15			7.47	8.16														
A 7.30 <sup>AM</sup>	A 8.40 <sup>AM</sup>	A 8.50 <sup>AM</sup>	A 9.00 <sup>AM</sup>	A 9.35 <sup>AM</sup>		A 2.31 <sup>PM</sup>	A 4.23 <sup>PM</sup>	A 3.25 <sup>PM</sup>			A 8.00 <sup>PM</sup>	A 8.25 <sup>PM</sup>	W Y X	67	7.3	AJ	11.55 <sup>PM</sup>	12.15 <sup>AM</sup>	A 9.50 <sup>PM</sup>	A 6.50 <sup>AM</sup>						
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily								Mon., We., Fri.						
.26	.22	.18	.18	.22	.07	.08	.16	.21	.12	.07	.26	.18								.50						
16.8	19.9	20.0	20.0	19.9	13.7	30.7	22.5	20.8	8.0	13.7	16.8	20.0								7.8						
														Time Over Sub-Division												
														Average Speed Per Hour												

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.  
 DOUBLE TRACK BETWEEN GARFIELD AVENUE AND OMAHA CONNECTION, AND BETWEEN BELKNAP STREET AND CENTRAL AVENUE, EXCEPT OVER MINNESOTA DRAW ON ST. LOUIS RIVER BRIDGE WHICH IS GOVERNED BY INTERLOCKING SIGNAL.  
 AUTOMATIC BLOCK SIGNALS BETWEEN CENTRAL AVENUE AND 21ST STREET, SUPERIOR.

SPECIAL INSTRUCTIONS PAGE 6.  
 REGISTER STATIONS: Superior Union Depot and Central Avenue for first class trains and passenger extras.  
 Rice's Point and Central Avenue for second class and inferior trains and extras when running via Third Sub-Division.  
 BULLETIN STATIONS: Rice's Point yard office.  
 Rice's Point round house.  
 REGISTER EXCEPTIONS: At Central Avenue Nos. 63, 64, 59, 60 and G. N. Nos. 19, 20 and 24 will register by ticket.  
 DERAIL SWITCHES: When not in use must be kept set in derailing position.  
 East end N. P. Freight House track, Superior.  
 Main track just east of N. P. Freight House, Superior.

SPEED RESTRICTIONS: At Superior, all trains and engines will run under control between west yard limit board, Superior and Omaha connection, including Lake Superior Terminal & Transfer tracks between Belknep Street and Omaha connection expecting to find track occupied, and will not exceed ten (10) miles per hour over switches at Belknep Street.  
 Second and inferior class trains will move with great care between Winter and Belknep Streets, Superior Freight yard, expecting to find the main tracks blocked.  
 AT SUPERIOR: All trains using tracks of Lake Superior Terminal & Transfer Railway, between Omaha connection and Belknep Street, will be governed by L. S. T. & T. Ry. time table rules and regulations.  
 AT CENTRAL AVENUE: Westward trains and engines have the right to use Eastward main track between west lead from yard and the junction switch leading to terminal Fourth Sub-Division main track without protection, and all eastward trains will approach and pass through this territory under control expecting to find track occupied.  
 AT DULUTH: Garfield Ave., all trains will come to a full stop not less than two hundred (200) feet from junction switch and cross-over used by D. W. & P. trains and not proceed until track is known to be clear.

SECOND SUB-DIVISION  
(DULUTH AND SUPERIOR TERMINAL)

EASTWARD

FIRST CLASS														Water, Fuel, Scales, Turn Tables, Ways and Yard Limits.	Station Numbers	Distance from Garfield Ave.	TIME TABLE No. 114		Distance from Central Ave.	Car Capacity of Sidings	FIRST CLASS				THIRD CLASS			
66	18	94	36	58	90	52	96	20	34	56	64	54	September 21, 1924. Succeeding No. 113				24	166			60		730					
N. P. 66	G. N. 18	Omaha 94	G. N. 36	N. P. 58	Omaha 90	N. P. 51	Omaha 96	G. N. 20	G. N. 34	P. 56	N. P. 64	N. P. 53	STATIONS				G. N. 24	Omaha 66			N. P. 60		N. P. 729					
Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Pass'gr Daily	Telegraph Offices and Calls				Pass'gr Daily	Pass'gr Daily			Pass'gr Daily		Way Freight Tues., Thurs. and Sat.					
				A 8.31		A 11.47					A 6.02		A 7.32	0.0	GARFIELD AVE.	7.3			A 10.06									
				8.29		11.44					5.59		7.29	0.8	RICES POINT	6.5	Yard		10.04		A 2.00							
		A 6.18	A 8.20	A 8.03	8.27	A 9.19	11.42	A 1.05	A 2.18	A 5.53	5.56		7.27	1.3	BRIDGE SWITCH	6.0		A 8.23	A 9.55	10.02		1.57						
		6.15	8.15	7.59	8.24	9.16	11.39	1.01	2.15	5.50	5.53		7.24	2.2	ELEVATOR STATION	5.1		8.19	9.51	9.59		1.53						
		6.13	L 8.12	7.57	8.22	L 9.12	11.36	L 12.58	2.13	5.48	5.51		7.21	2.9	OMAHA CONN.	4.4		8.16	L 9.48	9.57		1.50						
	A 5.50	s 6.12		s 7.55	s 8.21	s 11.35		s 2.12	s 5.47	s 5.50	A 5.34	s 7.20	X	WB 67	3.2	BY	SUPERIOR U. D.	D	4.1	s 8.15		s 9.56						
	5.49	6.11		7.54	8.20	11.34		2.11	5.46	5.49	5.33	7.19	3.6	BELKNAP STREET	3.7		8.13		9.55		1.47							
	L 5.40	L 6.00		L 7.44	L 8.10		L 11.25		L 2.00	L 5.35	L 5.38	L 5.24	L 7.10	W Y X	67	7.3	AJ	CENTRAL AVENUE	N	6.0	Yard	L 8.01		L 9.46		L 1.30		
	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily					Daily	Daily	Daily					Tues., Thurs. and Sat.			
	.10	.18	.08	.19	.21	.07	.22	.07	.18	.15	.24	.10	.22		Time Over Sub-Division			.22	.07	.20					.30			
	24.6	20.0	12.0	18.9	20.8	13.7	19.9	18.7	20.0	20.0	18.2	24.6	19.9		Average Speed Per Hour			16.3	13.7	21.9					13.0			

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION  
DOUBLE TRACK BETWEEN GARFIELD AVENUE AND OMAHA CONNECTION AND BETWEEN BELKNAP STREET AND CENTRAL AVENUE, EXCEPT OVER MINNESOTA DRAW ON ST. LOUIS RIVER BRIDGE WHICH IS  
GOVERNED BY INTERLOCKING SIGNAL.  
AUTOMATIC BLOCK SIGNALS BETWEEN CENTRAL AVENUE AND 21ST STREET, SUPERIOR.

**RULES GOVERNING MOVEMENT OF TRAINS OVER ST. LOUIS RIVER BRIDGE.**

**LOCATION OF SIGNALS.**

SPECIAL INSTRUCTIONS PAGE 6.

Interlocking semaphore signals govern use of tracks between Bridge Switch and Elevator Station.

All semaphore signals are upper quadrant type with following indications:

Top arm, horizontal, red light, stop.

Diagonally upward or yellow light, caution.

Vertical, green light, proceed, clear.

With the exception of the three-arm semaphore located west of Minnesota draw on eastward track, and the two-arm semaphore located just east of Elevator Station on the westward track, a lower arm, half length, is provided, and following indications of this arm will govern:

Diagonally upward or yellow light, proceed under full control expecting a train immediately ahead or routes lined up for movement against current of traffic.

The three-arm semaphore on eastward track west of Minnesota draw indicates position of double track switch, position of draw and route.

Top arm, Northern Pacific.

Middle arm, Great Northern.

Bottom arm, C. St. P. M. & O.

**SPEED RESTRICTION:** At Minnesota and Wisconsin drawbridges twenty (20) miles per hour.

The two-arm semaphore on westward track east of Elevator Station is route indication.

Top arm, straight main line.

Bottom arm, Great Northern freight track.

Deraills are located as follows:

At approach to Elevator Station from east and west.

At approach to Minnesota draw from Duluth.

All trains in both directions will come to a full stop before entering onto Wisconsin draw.

All eastward trains will come to a full stop before entering onto Minnesota draw.

If proceed signal is received at the approach to Minnesota draw from the east, it will not be necessary to stop for such draw, it being protected by derail.

Dwarf signals are of modern, upward quadrant type and govern movements against current of traffic.

Horizontal, red light, stop.

Vertical, green light, caution.

WESTWARD

THIRD SUB-DIVISION (DULUTH AND SUPERIOR TERMINAL)

EASTWARD

Table with columns for First Class, Stations, and First Class. Includes train numbers 65, 309, 313, 63, 311, 307 and 66, 312, 310, 308, 314, 64. Includes times and distances.

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION. DOUBLE TRACK BETWEEN BERWIND JCT. AND SUPERIOR.

SPECIAL INSTRUCTIONS, PAGE 6.

REGISTER STATIONS: Superior Union Depot for first class trains and passenger extras.

SPEED RESTRICTIONS: At Grassy Point Bridge twenty (20) miles per hour.

AT GRASSY POINT DRAW BRIDGE: A torpedo machine is located just inside of the Home Signal and is operated in connection with derail.

The explosion of one torpedo indicates that derail is set in derailing position and train must be brought to a stop immediately to prevent derailment.

RULES GOVERNING THE MOVEMENT OF TRAINS OVER GRASSY POINT DRAW BRIDGE.

AT WEST DULUTH JUNCTION:

All trains will run slow around east leg of wye and passing Zenith Furnace plant, looking out for switch engines working on main track. Junction switch will be kept set and locked for terminal First Sub-Division main track. East leg of wye is terminal Third Sub-Division main track and the switch at junction at east and west legs of wye will be kept set and locked for main track.

WESTWARD

FOURTH SUB-DIVISION (DULUTH AND SUPERIOR TERMINAL)

EASTWARD

Table with columns for Third Class, First Class, and Third Class. Includes train numbers 729, 53, 51 and 52, 54, 730. Includes times and distances.

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION. DOUBLE TRACK BETWEEN EAST END PASSENGER STATION AND EAST LEG OF WYE AT CENTRAL AVE.

INTERLOCKING

PLANT: Central Avenue and East End. REGISTER STATION: Central Avenue.

REGISTER EXCEPTIONS:

At East End passenger station first class westward trains will register by ticket. Switches at west end of double track will be kept set and locked for eastward trains. Switches at connection of Fourth and Second Terminal Sub-Divisions near depot will be kept set and locked for Second Sub-Division. Care will be taken by train and enginemen when using east leg of wye, as it is single track and on sharp curve; trains will not exceed four (4) miles per hour, and in foggy or stormy weather they will protect by flag.

AT EAST END:

Switches at east end of double track, east of passenger station, will be kept set and locked for westward trains from First Sub-Division main track. The distant semaphore of interlocking signals governing movement of westward trains from First Sub-Division main track, is an automatic signal of upper quadrant type. When horizontal or red light, it indicates track or cross-overs between signal and passenger station in use. When diagonally upward or yellow light, caution. When vertical or green light, proceed. The two tracks between passenger station and Great Northern connection at the north end of Cadotte Avenue yard will be operated as double track, and will be considered as yard tracks within yard limits.



**SPECIAL INSTRUCTIONS.**

(Note Changes.)

1. Second class and inferior trains may run ahead of delayed first class trains between West Duluth Junction and Duluth, Superior and Rice's Point, West Duluth Junction and Superior, Superior and East End, without orders.
2. All inferior to first class trains may run ahead of each other without orders.
3. Clearance Form A will not be required at Rice's Point Yard, Superior Freight Station or Superior Union Depot.
4. Extra trains, work extras and switch engines do not require train orders for movement between West Duluth Junction and Duluth, between Central Avenue and Rice's Point, between Central Avenue and East End, nor between West Duluth Jct. and Superior.
5. A Brakeman or Flagman must be stationed on the rear car of all trains, at all times, and be provided with proper flagging equipment. In case train is stopped on main track, Flagman must go back immediately with stop signals a sufficient distance to insure full protection to his train. Conductors and switch foremen will be held responsible for the strict observance of this rule.
6. To insure personal safety, Telegraphers having train orders or messages to deliver to passing trains, will stand to the right hand side of the train and avoid standing between tracks when possible to do so.
7. All trains must move within yard limits prepared to stop unless the main track is seen or known to be clear.
8. The D. T. main track is the northmost track between the Boston Coal Dock crossing and connection with Grassy Point main track. All switches leading from this track, when not in use, will be left lined for same.
9. All train crews, switch crews and light engines using D. T. main track from connection of Missabe coal dock with this track to east end of Zenith Furnace Company's lead, on Grassy Point line, will move in both directions under full control, expecting to find the D. T. main track occupied.

10. D. T. connection, located at east end of Zenith Furnace Company's lead, Grassy Point line, will be considered a railroad crossing. Trains using this connection will make usual stop and make sure that track is clear before proceeding.
11. Bridge Restrictions.  
Speed will be restricted over Minnesota and Wisconsin Draw Spans between West Duluth and Superior to twenty (20) miles per hour.  
Great Northern Power Co. Track. Speed will be restricted on all bridges for Engines Class S, S1, S3, S4 and S10 to eight (8) miles per hour. Engines Classes T, Q1 and heavier will not be permitted.
12. The following signs when placed in columns provided indicate:  

W—Water.	D—Day office only.
C—Fuel.	DN—Day and night office.
O—Track scales.	P—Telephone.
T—Turntable.	X—Yard Limits.
Y—Wye.	

**AUTHORIZED SURGEONS:—**

- Dr. C. S. KNOX, 219 Albany Block, East End.
- Dr. W. H. SCHNELL, 28 Columbia Bldg., Superior.
- Dr. F. C. SARAZIN, 28 Columbia Bldg., Superior.
- Dr. A. J. BRADEN, 400 Lyceum Bldg., Duluth.
- Dr. C. M. SMITH, 400 Lyceum Bldg., Duluth.
- Dr. O. E. HEIMARK, 2004 W. Superior St., Duluth.
- Dr. C. L. HANEY, 2004 W. Superior St., Duluth.
- Dr. GEORGE C. DOYLE, 2004 W. Superior St., Duluth.

**LOCATION STRETCHERS:—**

- East End Freight Station.
- Central Avenue Freight Station.
- Superior Freight Station.
- Rices Point Yard Office, Duluth.
- Dock 6, Duluth.
- Duluth Union Depot.
- Tool Car, Duluth.
- West Duluth.

**MAXIMUM CLEARANCES.**

	LIMIT OF LOAD MEASUREMENT.																		
	Height Above Top of Rail.																		
	1 ft. Wide	2 ft. Wide	3 ft. Wide	4 ft. Wide	5 ft. Wide	6 ft. Wide	7 ft. Wide	7 ft. 6 in. Wide	8 ft. Wide	8 ft. 6 in. Wide	9 ft. Wide	9 ft. 6 in. Wide	10 ft. Wide	10 ft. 2 in. Wide	10 ft. 6 in. Wide	11 ft. Wide	11 ft. 6 in. Wide	Max. Height	Max. Width
First Sub-division, Duluth to Fond du Lac.....	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	11'-6"
Second Sub-division, Garfield Ave. to Central Ave.....	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	11'-6"
Third Sub-division, West Duluth Jct. to Superior U. D.....	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	11'-6"
Fourth Sub-division, East End to Central Ave.....	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	11'-6"

**G. W. ATMORE,**  
Ass't Superintendent.

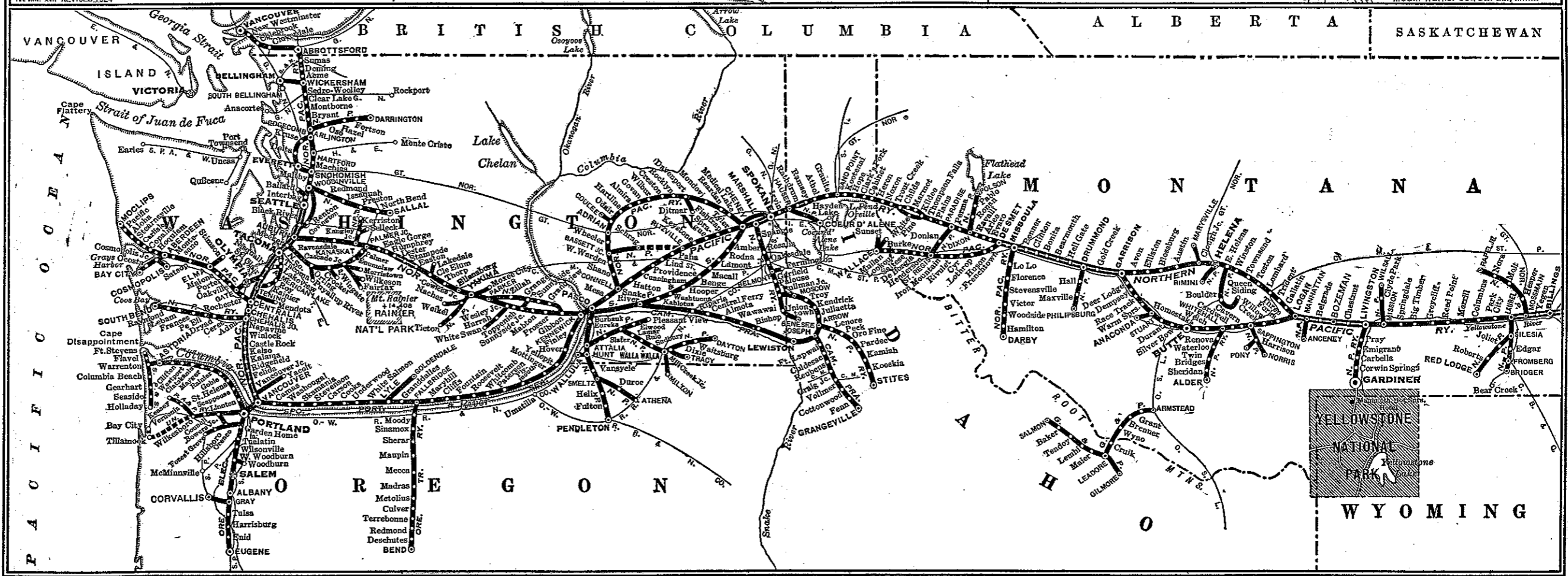
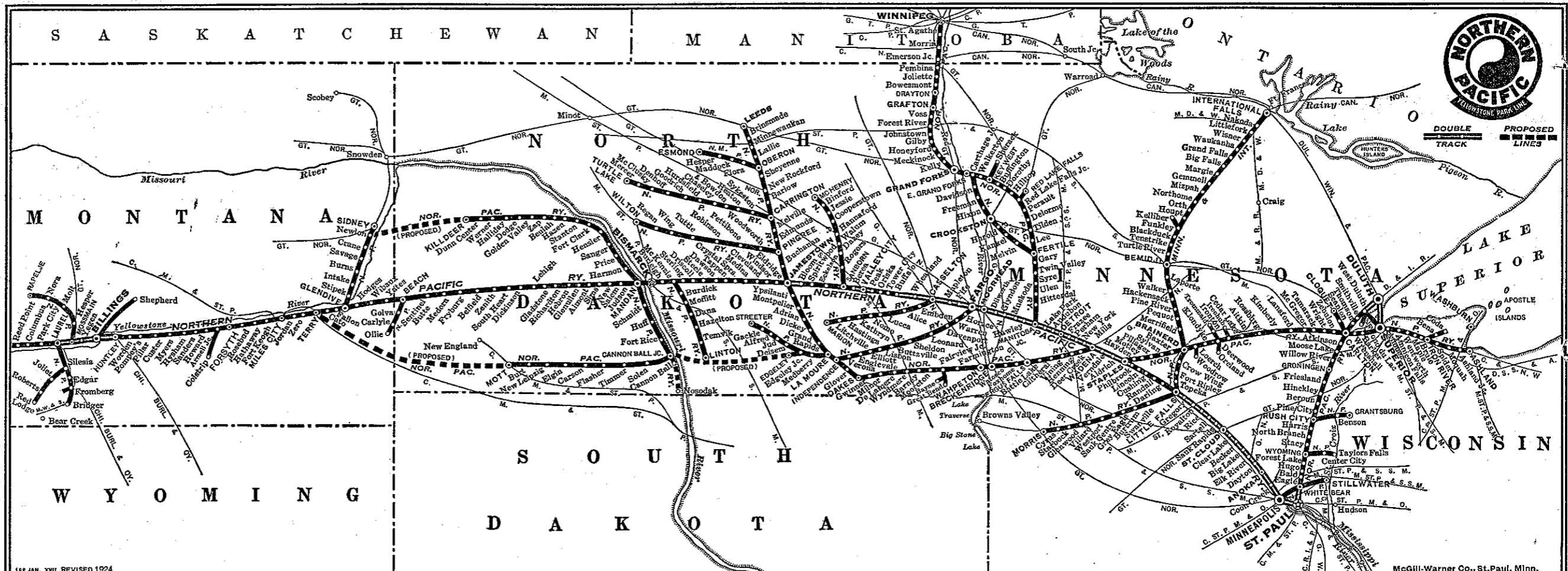
**D. M. DRISCOLL,**  
Ass't Superintendent.

**F. L. BIRDSALL,**  
Trainmaster.

**H. J. COUNCILMAN,**  
Trainmaster.

**A. S. CRITCHFIELD,**  
Trainmaster.

**F. E. POTTER,**  
Chief Dispatcher.



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McGill-Warner Co., St. Paul, Minn.