OREGON-WASHINGTON RAILROAD & NAVIGATION CO.

NORTHERN DIVISION

EMPLOYES' TIME TABLE

To Take Effect Sunday, June 16, 1912

At 12:01 A. M. "Pacific Time"

For the Government and Information of Employes only, and not intended for the use of the public.
The Company reserves the right to vary from this Time Table at pleasure.

J. P. O'BRIEN
Vice-President and General Manager.

M. J. BUCKLEY
Assistant General Manager.

J. D. STACK
Assistant General Manager.

Lowman & Hanford Co., Seattle

CONDENSED TIME TABLE

PORTLAND AND SEATTLE WESTWARD

Distance from Seattle	TIME TABLE No. 12 June 16, 1912	Distance from Portland	Second Class 691 Fast Freight Daily	53 Mixed Saturdays only	57 Mixed Daily Ex. Sunday	55 Mixed Daily Ex. Sunday	51 Fast Freight Grays Harbor Branch Daily Ex. Monday	First Class 1 Passenger Grays Harbor Branch Daily	363 Owl Daily	369 Oregon-Washington Express Daily	311 Shasta Limited Daily	361 Local Daily
	STATIONS											
0.0	SEATTLE	179.9							PM 11.15 L	AM 11.45 L	AM 11.30 L	AM 7.30 L
3.3	ARGO	176.6	PM 7.00 L									
9.5	BLACK RIVER	170.5	7.20						11.40	PM 12.10	11.55	7.55
35.8	TACOMA JCT.	144.2	8.53						AM 12.29	12.56	PM 12.36	8.38
36.4	TIDEWATER	143.6										
38.2	TACOMA	141.7	9.30						12.45	1.10	12.50	8.55
87.2	CENTRALIA	92.7	AM 1.00						2.30	2.48	2.15	10.29
	TONO BRANCH											
0.0	TONO	7.8			PM 2.00 L	AM 8.45 L						
6.1	WABASH	1.7			2.25	9.20						
7.8	CENTRALIA	0.0			PM 2.35 A	AM 9.30 A						
	GRAYS HARBOR BRANCH											
0.0	CENTRALIA	57.2					AM 1.45 L	PM 12.05 L				
11.8	HELSING JCT.	45.4					2.38	12.35				
53.6	ABERDEEN	3.6					5.50	2.15				
57.2	HOQUIAM	0.0					AM 6.10 A	PM 2.30 A				
	NORTH RIVER BRANCH											
0.0	PRIMO	13.2		AM 9.30 L								
7.0	BRIDGES	6.2		9.55								
12.0	NORTH RIVER JCT.	1.2		10.15								
13.2	COSMOPOLIS	0.0		AM 10.20 A								
91.3	CHEHALIS	88.6	1.15						2.40	3.00	2.25	10.40
170.9	VANCOUVER	9.0	7.15						6.00	5.53	4.54	PM 1.52
172.8	NORTH PORTLAND JCT.	7.1	7.30						6.10	6.00	5.00	2.00
177.8	ALBINA	2.1	AM 8.00 A									
179.2	EAST PORTLAND	0.7							6.40	6.25	5.25	2.25
179.9	PORTLAND	0.0							AM 6.45 A	PM 6.30 A	PM 5.30 A	PM 2.30 A
			Daily	Saturdays only	Daily Ex. Sunday	Daily Ex. Sunday	Daily Ex. Monday	Daily	Daily	Daily	Daily	Daily
	Time over District		13.00	.50	.35	.45	4.25	2.25	7.30	6.45	6.00	7.00

PORTLAND AND SEATTLE EASTWARD

Distance from Seattle	TIME TABLE No. 12 June 16, 1912	Distance from Portland	First Class 362 Local Daily	370 Oregon-Washington Express Daily	312 Shasta Limited Daily	364 Owl Daily	2 Passenger Grays Harbor Branch Daily	Second Class 52 Fast Freight Grays Harbor Branch Daily Ex. Sunday	56 Mixed Daily Ex. Sunday	58 Mixed Daily Ex. Sunday	54 Mixed Saturdays only	692 Fast Freight Daily
	STATIONS											
0.0	SEATTLE	179.9	PM 3.15 A	PM 8.30 A	PM 9.00 A	AM 6.15 A						
3.3	ARGO	176.6										AM 6.45 A
9.5	BLACK RIVER	170.5	2.50	8.05	8.35	5.50						6.25
35.8	TACOMA JCT.	144.2	1.51	7.14	7.51	5.01						5.11
36.4	TIDEWATER	143.6										
38.2	TACOMA	141.7	1.40 PM	7.05	7.40	4.45						4.00
87.2	CENTRALIA	92.7	11.58	5.20	6.00	2.55						12.30
	TONO BRANCH											
0.0	TONO	7.8							AM 8.15 A	PM 1.35 A		
6.1	WABASH	1.7							7.40	1.10		
7.8	CENTRALIA	0.0							AM 7.30 L	PM 1.00 L		
	GRAYS HARBOR BRANCH											
0.0	CENTRALIA	57.2					AM 10.20 A	PM 11.40 A				
11.8	HELSING JCT.	45.4					9.44	11.00				
53.6	ABERDEEN	3.6					8.05	7.35				
57.2	HOQUIAM	0.0					AM 7.50 L	PM 7.15 L				
	NORTH RIVER BRANCH											
0.0	PRIMO	13.2									AM 9.20 A	
7.0	BRIDGES	6.2									8.50	
12.0	NORTH RIVER JCT.	1.2									8.30	
13.2	COSMOPOLIS	0.0									AM 8.25 L	
91.3	CHEHALIS	88.6	11.45	5.08	5.52	AM 2.40						AM 12.05
170.9	VANCOUVER	9.0	9.08	2.25	3.36	11.36						8.30
172.8	NORTH PORTLAND JCT.	7.1	9.00	2.18	3.30	11.30						8.15
177.8	ALBINA	2.1										PM 7.30 L
179.2	EAST PORTLAND	0.7	8.35	1.50	3.05	11.05						
179.9	PORTLAND	0.0	AM 8.30 L	PM 1.45 L	PM 3.00 L	PM 11.00 L						
			Daily	Daily	Daily	Daily	Daily	Daily Ex. Sunday	Daily Ex. Sunday	Daily Ex. Sunday	Saturdays only	Daily
	Time over District		6.45	6.45	6.00	7.15	2.30	4.25	.45	.35	.55	11.15

SEATTLE DIVISION—Seattle and Black River.

WESTWARD

Length of passing tracks in Cars	Second Class 691 Fast Freight	First Class 363 Owl	35 C.M.& P.S. 15	33 C.M.& P.S. 18	31 C.M.& P.S. 42	29 C.M.& P.S. 103	369 Oregon--Washingt'n Express	311 Shasta Limited	27 C.M.& P.S. 17	25 C.M.& P.S. 16	23 C.M.& P.S. 46	361 Local	21 C.M.& P.S. 101	Distance from Seattle	TIME TABLE No. 12 June 16, 1912 STATIONS		Station Numbers
	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY				
		PM L 11.15	PM L 8.15	PM L 7.15	PM L 6.10	PM L 4.20	AM L 11.45	AM L 11.30	AM L 11.20	AM L 10.15	AM L 7.35	AM L 7.30	AM L 7.20	0.0			D. 180
WFT	PM L 7.00	11.27	PM 8.27 A	PM 7.27 A	PM 6.22 A	PM 4.32 A	11.57	11.42	AM 11.32 A	AM 10.27 A	AM 7.47 A	7.42	AM 7.32 A	3.3	DR	SEATTLE 3.3	D. 177
75	7.04	f11.28					f11.58	11.43				f 7.43		3.8	DNR	ARGO 0.5	D. 176
35	7.20 PM A	11.40 PM A					PM 12.10 PM A	11.55 AM A				7.55 AM A		9.5		GEORGETOWN 5.7	D. 171
	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY		DNR	BLACK RIVER	
	20	25	12	12	12	12	25	25	12	12	12	25	12			Time over District	

Double Track

EASTWARD

Station Numbers	First Class 364 Owl	20 C.M.& P.S. 16	22 C.M.& P.S. 41	24 C.M.& P.S. 17	26 C.M.& P.S. 102	362 Local	28 C.M.& P.S. 18	30 C.M.& P.S. 45	32 C.M.& P.S. 15	370 Oregon--Washingt'n Express	312 Shasta Limited	34 C.M.& P.S. 104	Second Class 692 Fast Freight
	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY
D. 180	AM A 6.15	AM A 10.00	AM A 10.15	AM A 11.10	PM A 2.00	PM A 3.15	PM A 7.00	PM A 7.10	PM A 8.00	PM A 8.30	PM A 9.00	PM A 9.45	
D. 177	6.03	9.48 AM L	10.03 AM L	10.58 AM L	1.48 PM L	3.03	6.46 PM L	6.58 PM L	7.48 PM L	8.18	8.48	9.33 PM L	AM A 6.45
D. 176	f 6.02					f 3.02				f 8.17	8.47		6.40
D. 171	5.50 AM L					2.50 PM L				8.05 PM L	8.35 PM L		6.25 AM L
	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY
	25	12	12	12	12	25	14	12	12	25	25	12	20

Eastward trains are superior to trains of the same class in the opposite direction. See Rule 72.

GRAY'S HARBOR BRANCH—Centralia and Aberdeen.

WESTWARD

Length of passing tracks in Cars	Second Class 53 O.-W. R. & N. Mixed	93 C.M.& P.S. Time Frt.	51 O.-W. R. & N. Fast Freight	First Class 103 C.M.& P.S. Passenger	1 O.-W. R. & N. Passenger	101 C.M.& P.S. Passenger	Distance from Centralia	TIME TABLE No. 12 June 16, 1912 STATIONS		Station Numbers
	Saturdays only	DAILY Ex. Sun.	DAILY Ex. Mon.	DAILY	DAILY	DAILY				
WFYOP			AM L 1.45		PM L 12.05		0.0	DNR	CENTRALIA 4.6	D. 93
60 P			2.06		s12.18		4.6	D	LINCOLN CREEK 7.2	D. A. 5
65 P		AM L 4.00	2.38	PM L 8.02	f12.35	AM L 10.58	11.8		HELSING JCT. 1.5	D. A. 12
65 WP		4.05	2.44	s 8.07	s12.40	s11.03	13.3	DR	INDEPENDENCE 4.6	D. A. 13
25 P		4.20	3.04	f 8.17	f12.52	f11.13	17.9		BALCH 3.9	D. A. 18
65 P		4.31	3.23	s 8.25	s 1.00	s11.21	21.8		CEDARVILLE 4.3	D. A. 22
P		4.44	3.42	f 8.34	f 1.08	f11.30	26.1		FORD 4.4	D. A. 26
P		4.57	4.00	s 8.43	s 1.16	s11.39	30.5	D	SAGINAW 1.6	D. A. 30
65 WP		5.02	4.07	f 8.46	f 1.20	f11.42	32.1		SOUTH ELMA 10.0	D. A. 32
65 P		5.32	4.55	s 9.06	s 1.40	s PM 12.02	42.1	D	SOUTH MONTESANO 1.4	D. A. 42
32 P		5.36	5.02	f 9.09	f 1.43	f12.05	43.5		MELBOURNE 3.1	D. A. 43
P		5.48	5.16	f 9.16	f 1.51	f12.13	46.6		PREACHER'S SLOUGH 3.1	D. A. 47
P	AM L 10.15	6.02	5.30	9.22	1.59	12.19	49.7		NORTH RIVER JUNCTION 1.2	D. A. 50
100 WFYP	10.20 AM A	6.10	5.34	s 9.26	s 2.04	s12.22	50.9	D	COSMOPOLIS 1.9	D. A. 51
20 P		6.18	5.44	s 9.31	s 2.10	s12.26	52.8	D	SOUTH ABERDEEN 0.8	D. A. 53
P		6.30 AM A	5.50 AM A	9.35 PM A	2.15 PM A	12.30 PM A	53.6	DR	ABERDEEN 3.6	D. A. 54
	Saturdays only	DAILY Ex. Sun.	DAILY Ex. Mon.	DAILY	DAILY	DAILY	57.2		HOQUIAM	D. A. 57
	.5	2.30	4.05	1.33	2.10	1.32			Time over District	

EASTWARD

Station Numbers	First Class 2 O.-W. R. & N. Passenger	102 C.M.& P.S. Passenger	104 C.M.& P.S. Passenger	Second Class 52 O.-W. R. & N. Fast Fr'ght	94 C.M.&P.S. Time Frt.	54 O.-W. R. & N. Mixed
	DAILY	DAILY	DAILY	DAILY Ex. Sun.	DAILY Ex. Sun.	Saturdays only
D. 93	AM A 10.20			PM A 11.40		
D. A. 5	s10.00			11.22		
D. A. 12	f 9.44	AM A 10.22	PM A 6.07	11.00	PM A 11.30	
D. A. 13	s 9.39	s10.17	s 6.02	10.53	11.20	
D. A. 18	f 9.28	f10.07	f 5.52	10.37	10.58	
D. A. 22	s 9.20	s 9.59	s 5.44	10.22	10.42	
D. A. 26	f 9.11	f 9.51	f 5.36	10.06	10.24	
D. A. 30	s 9.02	s 9.42	s 5.27	9.50	10.06	
D. A. 32	f 8.58	f 9.38	f 5.23	9.42	10.00	
D. A. 42	s 8.38	s 9.18	s 5.03	9.06	9.20	
D. A. 43	f 8.34	f 9.15	f 5.00	8.40	9.09	
D. A. 47	f 8.26	f 9.09	f 4.53	8.25	8.45	
D. A. 50	8.18	9.03	4.47	8.10	8.30	AM A 8.30
D. A. 51	s 8.15	s 8.59	s 4.44	8.00	8.25	AM L 8.25
D. A. 53	s 8.10	s 8.54	s 4.39	7.45	8.07	
D. A. 54	8.05 AM L	8.50 AM L	4.35 PM L	7.35 PM L	8.00 PM L	
D. A. 57	DAILY	DAILY	DAILY	DAILY Ex. Sun.	DAILY Ex. Sun.	Saturdays only
	2.15	1.32	1.32	4.05	3.30	.05

Trains 51 and 93 have right over 54, North River Junction to Cosmopolis.
When Trains 53 and 54 are thirty minutes later than their schedule at either Cosmopolis or North River Junction, they lose all Time Table rights, and can proceed thereafter only as authorized by train order. These trains will register at Cosmopolis and North River Junction.
All trains must receive proceed signal from bridge tender before passing on to draw of Aberdeen Bridge.
Trains must not exceed a speed of 15 miles per hour between Aberdeen and South Aberdeen.

TONO BRANCH—Centralia and Tono.

WESTWARD

Length of passing tracks in Cars	Second Class 57 Mixed	55 Mixed	Distance from Centralia	TIME TABLE No 12 June 16, 1912 STATIONS		Station Numbers
	DAILY Ex. Sun.	DAILY Ex. Sun.				
20 WFOP	PM L 2.00	AM L 8.45	7.8	R	TONO 6.1	D. B. 6
40	f 2.25	f 9.20	1.7		WABASH 1.7	D. 95
P	2.35 PM A	9.30 AM A	0.0	DNR	CENTRALIA	D. 93
	DAILY Ex. Sun.	DAILY Ex. Sun.				
	35	45			Time over District	

EASTWARD

Station Numbers	Second Class 56 Mixed	58 Mixed
	DAILY Ex. Sun.	DAILY Ex. Sun.
D. B. 6	AM A 8.15	PM A 1.35
D. 95	f 7.40	f 1.10
D. 93	7.30 AM L	1.00 PM L
	DAILY Ex. Sun.	DAILY Ex. Sun.
	45	35

Eastward trains are superior to trains of the same class in the opposite direction. See Rule 72.
No clearance will be issued to westward trains at Tono.

NORTH RIVER BRANCH—North River Junction and Primo

WESTWARD

Length of passing tracks in Cars	Second Class 53 Mixed	Distance from North River Jct.	TIME TABLE No. 12 June 16, 1912 STATIONS		Station Numbers
	Saturdays only				
30	AM L 9.30	12.0	R	PRIMO 7.0	D. C. 12
65	s 9.55	5.0		BRIDGES 5.0	D. C. 5
P	10.15 AM A	0.0	R	NORTH RIVER JUNCTION 1.2	D. A. 50
	Saturdays only			COSMOPOLIS	D. A. 51
	45			Time over District	

EASTWARD

Second Class 54 Mixed
Saturdays only
AM A 9.20
s 8.50
8.30 AM L
Saturdays only
50

Eastward trains are superior to trains of the same class in the opposite direction. See rule 72.
No clearance will be issued to westward trains at Primo.

SPECIAL INSTRUCTIONS

No. 1. Special instructions supercede "Rules and Regulations of the Transportation Department."

No. 2. A white flag displayed will indicate cars or L. C. L. freight to be moved. Trains doing local work will be governed accordingly.

No. 3. All trains (except passenger) consisting of more than 15 cars, will cut off engine to take water or to spot way cars.

No. 4. A buffer car (not to be occupied by passengers) must be used on all passenger trains between locomotives and coaches.

No. 5. Slow boards and caution signals will be erected one-fourth of a mile from the point which they are intended to cover.

No. 6. Trainmen must be particular to see that air is cut in on all cars picked up by them and must provide themselves with a supply of Defective Air Brake Cards (Form 4365) and Air Brake Cut-out Cards (Form 4366), and apply to such cars as are found to have defective brakes.

No. 7. Train registers must not be used as a means of identifying extra trains.

No. 8. First class trains on Grays Harbor Branch will stop on flag for passengers at the following points: McNelly, M. P. 6-2; Meadows, M. P. 7; Fuller's, M. P. 35.

No. 9. Trains must not exceed a speed of 10 miles per hour between Argo and Corgiat Street.

No. 10. Main Line switches at Black River will be left set for C. & P. S. tracks.

No. 11. Junction switch at Helsing Jct. will be left set and locked for line to Centralia.

No. 12. Black River is initial station for all eastward trains. Argo is initial station for C. M. & P. S. eastward trains. First class trains will register by registering ticket (Form 2642) at Black River and Argo. O.-W. R. R. & N. westward first class trains will procure check of register (Form 2529) from operator at Argo. Lower arms on train order semaphore at Argo will govern movement of trains on O.-W. R. R. & N. tracks.

No. 13. O.-W. R. R. & N. Northern Division trains will be governed as follows:
Between Black River and Tacoma Junction by C. M. & P. S. Time Table and Rules.
Between Tidewater and Vancouver, also between Aberdeen and Hoquiam, by Northern Pacific Time Table and Rules.
Between Vancouver and North Portland Junction by S. P. & S. Time Table and Rules.
Between North Portland Junction and Portland, by Oregon Division Time Table and Rules.

YARDS

No. 14. All trains, yard engines, and light engines, must proceed under control within defined yard limits at Seattle, Argo, Tacoma Junction and Tidewater, Helsing Junction and Independence, Cosmopolis and Aberdeen. In other yards, which refers to stations shown on time table schedule, the station S whistling posts will be considered the yard limits. Extra trains must approach such stations expecting to find main track occupied without flag protection. Trains occupying main track at such stations must protect against regular trains, and will also be governed in regard to meeting and right of track orders.

Yard limits extend from Seattle Passenger Station to one-quarter mile west of west switch of Georgetown siding, from Tacoma Junction to Northern Pacific crossing, from C. M. & P. S. switch. Helsing Junction to Independence, and from one-quarter mile east of Cosmopolis to Aberdeen.

LIST OF SURGEONS

NAME	LOCATION	DISTRICT
Dr. K. A. J. MACKENZIE, Chief Surgeon.	Portland, Corbett Bldg. {Home 1267 / Pac. M 267	O.-W. R. & N. Co., Northern Div.
" Montgomery Russell, Division Surgeon.	Seattle, 620 Leary Bldg. } Main 90	O.-W. R. & N. Co., Northern Div.
" F. R. Underwood, Assistant Surgeon.	Seattle, 620 Leary Bldg. }	O.-W. R. & N. Co., Northern Div.
" E. B. Burwell, Oculist and Aurist.	Seattle, 304 Cobb Bldg. Main 521	O.-W. R. & N. Co., Northern Div.
" Wm. P. O'Rourke, Assistant Surgeon.	Seattle, (Georgetown).	Argo.
" F. D. Merritt, District Surgeon.	Auburn, Wash.	Seattle-Tacoma.
" Chas. James, District Surgeon.	Tacoma, 304 Berlin Bldg.	Auburn-Tenino.
" Chas. E. Robson, District Surgeon.	Tenino, Wash.	Tacoma-Centralia.
" David Livingstone, District Surgeon.	Centralia, Wash.	Tenino-Winlock. / Centralia-So. Elma. / Centralia-Tono.

NAME	LOCATION	DISTRICT
Dr. Irvin W. Weichbrod, District Surgeon.	Winlock, Wash.	Centralia-Castle Rock.
" R. H. Campbell.	Sopenah, Wash.	Winlock-Castle Rock
" T. C. Campbell, District Surgeon.	Castle Rock, Wash.	Winlock-Kelso.
" C. W. Bales, District Surgeon.	Kelso, Wash.	Castle Rock-Kalama.
" Luther M. Simms, District Surgeon.	Kalama, Wash.	Kelso-Vancouver.
" J. T. Guerin, District Surgeon.	Vancouver, Wash.	Kalama-Albina.
" Curtis C. Holcomb, District Surgeon	Albina, Oregon.	Vancouver-Portland.
" Geo. Ainslie, Consulting Oculist and Aurist.	Portland, Ore., Oregonian Bldg.	O.-W. R. & N. Co., Northern Div.
" Frank M. Taylor, Assistant Surgeon.	Portland, Ore. {Corbett Bldg. Tel. Home 1267	O.-W. R. & N. Co., Northern Div.
" D. H. Jessup, Assistant Surgeon.	Portland, Ore. {Corbett Bldg. Pac. M 267	O.-W. R. & N. Co., Northern Div.
" Hannibal Blair, District Surgeon.	Elma, Wash.	Grays Harbor and North River Branches.
" Edmund A. Sizer, District Surgeon.	Cosmopolis, Wash.	Grays Harbor and North River Branches.
" I. R. Watkins, District Surgeon.	Aberdeen, Wash.	Grays Harbor and North River Branches.
" R. F. Hunter.	Hoquiam, Wash.	Grays Harbor and North River Branches.

STANDARD CLOCKS

PORTLAND	Telegraph Office
ALBINA	Dispatcher's Office
CENTRALIA	Dispatcher's Office
SEATTLE	Telegraph Office
COSMOPOLIS	Telegraph Office
HOQUIAM	Telegraph Office

LICENSED WATCH INSPECTORS

WEBB C. BALL, General Time Inspector,	Seattle.
HOUGHTON & HUNTER, Local Watch Inspectors	Seattle.
ANDREWS JEWELRY CO. " " "	Tacoma.
BEN SALIK, " " "	Centralia.
BELDING BROTHERS, " " "	Portland.
H. H. HEIDE, " " "	Albina.
F. W. STRAUB, " " "	Hoquiam.

J. D. MATHESON, Superintendent, Seattle, Wash.

D. J. COMAN, Assistant Superintendent	Seattle, Wash.	D. A. SAUNDERS, Train Dispatcher	Centralia, Wash.
M. B. BAYER, Assistant Superintendent	Tacoma, Wash.	J. A. WALSH, Train Dispatcher	Centralia, Wash.
H. L. BUCHANAN, Assistant Superintendent	Centralia, Wash.	W. H. BALL, Train Dispatcher	Centralia, Wash.

RATING OF LOCOMOTIVES IN TONS OF 2000 POUNDS

SEATTLE AND PORTLAND

CLASSIFICATION	Engine Numbers	East: Portland to Kalama	Kalama to Olequa	Olequa to Winlock	Winlock to Napavine	Centralia to Rainier	Rainier to So. Tacoma	Tacoma to Seattle	West: Seattle to Tacoma	Tacoma to So Tacoma	So. Tacoma to Centralia	Centralia to Napavine	Napavine to Portland
T-63 20/24 113	136- 146	1580	1200	990	720	790	1120	1280	1280	315	900	655	1580
	170- 207	1900	1440	1190	870	960	1310	1540	1540	370	1080	800	1900
T-69 22/28 159	250- 305	2200	1680	1380	1000	1110	1560	1790	1790	440	1250	900	2200
C-57 15½x26/30 176	330- 349	2335	1790	1475	1075	1190	1680	1900	1900	500	1335	985	2335
C-57 22/30 187	350- 400	2940	2250	1860	1360	1490	2120	2380	2380	560	1680	1220	2940
Mik-57 23¾/30 208	500- 540	3100	2340	1930	1450	1550	2200	2490	2490	580	1700	1250	3100
M-63 20/28 147	C. R. Y. y P. 504-526	2050	1550	1300	940	1035	1500	1710	1710	400	1150	840	2050
T-57 20/26 132	720-727												
P-77 25/28 170	208-209	2500	1900	1550	1160	1280	1800	2000	2000	500	1420	1050	2500
S-55 19/26 130	39-42									380			

GRAYS HARBOR BRANCH

CLASSIFICATION	Engine Numbers	East: Hoquiam to So. Aberdeen	So. Aberdeen to Centralia	West: Centralia to So. Aberdeen	So. Aberdeen to Hoquiam
E-57 17/24 51	57-64	390	780	1000	390
E-64 18/26 68	80-87	470	965	1220	470
M-57 18/24 91	103-111				
T-55 18/24 71	112-119				
T-63 20/24 113	136-147	624	1260	1620	624
T-57 20/26 132	720-727	809	1625	2100	809
M-63 20/28 147	C. R. Y. y P...504-526				

TONO BRANCH

CLASSIFICATION	Engine Numbers	East: Centralia to Tono	West: Tono to Centralia
E-57 17/24 51	57-64	855	Maximum
E-64 18/26 68	80-87	1034	Maximum
M-57 18/24 91	103-111		
T-55 18/24 71	112-119		

These ratings include total weight of train, exclusive of engine and tender, which the different classes of locomotives will haul in each direction between the stations shown.

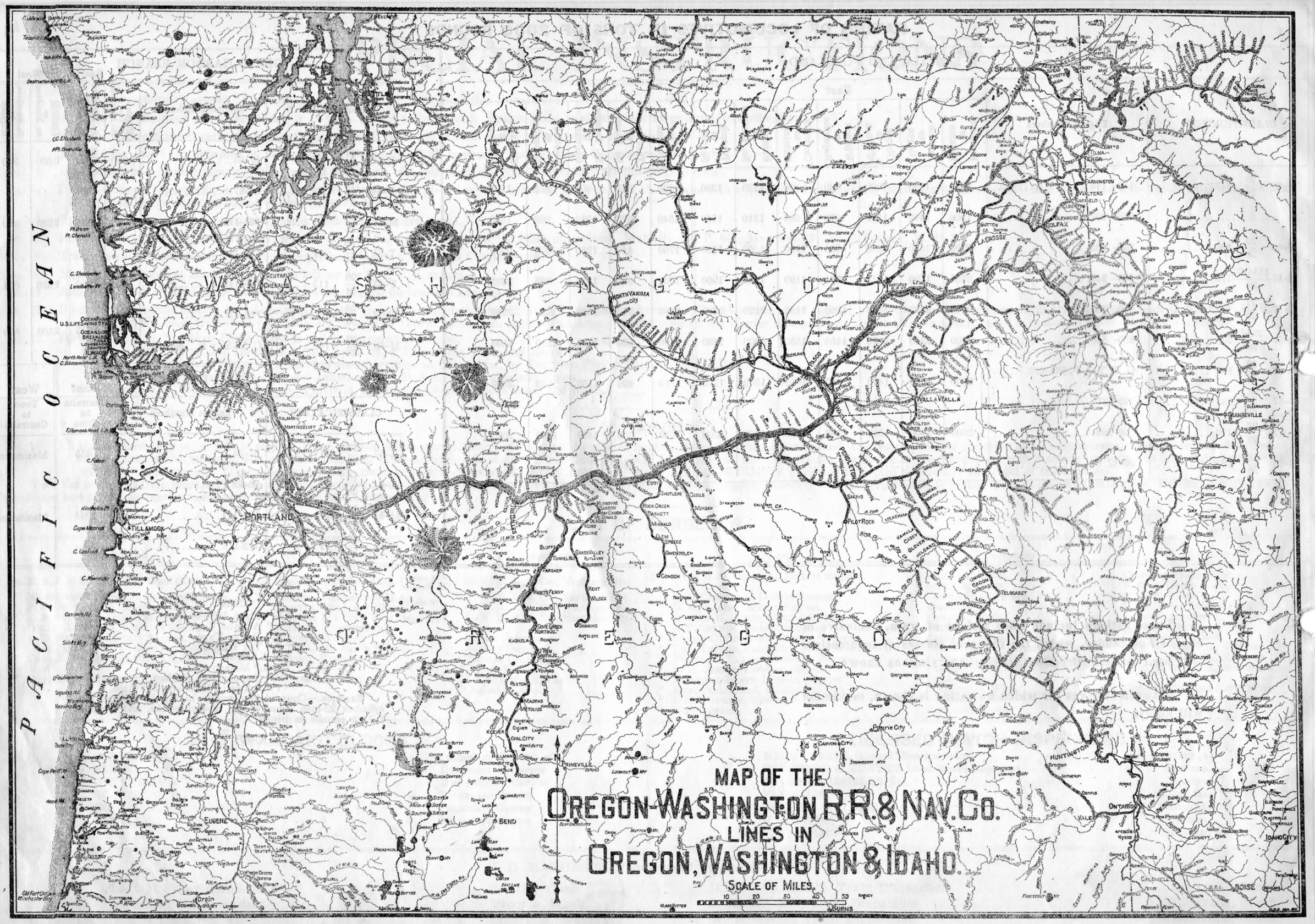
Between stations for which no rating is shown, maximum will apply.

CLASS

"E," Eight Wheelers
"A," Atlantic Type
"P," Pacific Type
"T," Ten Wheeler
"M," Moguls
"Mik," Mikado
"C," Consolidation Engines
"TW," Twelve Wheelers; S, Switch.

Example.—Consolidation engine having 57 inch drivers, cylinders 22-inch diameter and 30-inch stroke, and weighing 187,000 pounds on drivers:

C-57 22/30 187


MAP OF THE
OREGON-WASHINGTON R.R. & NAV. CO.
LINES IN
OREGON, WASHINGTON & IDAHO.
SCALE OF MILES.
10 20 30 40 50
PACIFIC OCEAN
WASHINGTON
OREGON
IDAHO
PORTLAND
SPOKANE
WALLA WALLA
PENDLETON
NORTH YAKIMA
TACOMA
SEATTLE
CHEHALIS
TILLAMOOK
SALEM
ALBANY
EUGENE
BEND
PRINEVILLE
REDMOND
HUNTINGTON
ONTARIO
VALE
BOISE
IDAHO CITY
LEWISTON
WINONA
COLFAX
PALOUSE
ELLENSBURG
BAKER CITY
SUMPTER
PILOT ROCK
HERMISTON
BIGGS
BLUE MOUNTAIN
WESTON
ASOTIN
GRANGEVILLE
COTTONWOOD
JOSEPH
ENTERPRISE
LA GRANDE
BURNS
Mt. Rainier
Mt. Adams
Mt. St. Helens
Mt. Hood
Mt. Jefferson
Mt. Bachelor
Mt. Shasta
Mt. Ashland
Mt. Pilot
Mt. Wilson
Mt. Dickey
Mt. Ellis
Mt. Emily
Mt. Hamilton
Mt. Ruby
Mt. Lookout
Mt. Hutton
Mt. Frazier
Mt. Vernon
Mt. Pleasant
Mt. Ashwood
Mt. Pisgah
Mt. Tolmie
Mt. Olympus