# GREAT NORTHERN RAILWAY

CASCADE DIVISION.

# TIME TABLE No. 76

TO TAKE EFFECT AT TWELVE-ONE (12:01) O'CLOCK A. M. PACIFIC TIME.

SUNDAY, SEPTEMBER 24, 1911

Superseding Time Table No. 75 and all Supplements thereto.

THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY.

J. H. O'NEILL, Superintendent.

F. S. ELLIOTT, Asst. General Superintendent.

E. L. BROWN, General Superintendent.

W. C. WATROUS, General Supt. of Transportation.

GEO. H. EMERSON, Asst. General Manager.

J. M. GRUBER, General Manager.

0.00	THIRD CLASS.	ASS (88)	207 1.00	70.00	SECOND	CLASS.	Autom	granity	200 20	a Januaries	FIRST	CLASS.			CAPAG	TRACKS	ports.	STRUCKING AND SECOND	
1		715	普及			411		401		285	27	43	1	3	racks	Tracks	rtb.	Time Table No. 76	
	48 80 10	Mdse. Freight		785 227	360	Fast Freight	ANN NO	Fast Freight	128	Passenger	Fast Mail	Passenger	Passenger	Passenger	ing T		Distance from Leavenworth.		
		Leave Daily Ex. Sunday				Leave Daily		Leave Daily		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Page	Other	Dist	STATIONS.	
						1.00m		8.00Am			11.40Pm	4.25m	1.85Pm	2.80An	60	492		LEAVENWORTH	-
						1.53		8.45			11.58	4.48	1.53	2.48	67		6.3	DRURY	-
						2.45		9.15	7.5		12.09Am	f 4.55	2.04	8.00	134	22	10.5	CHIWAUKUM	
					2.2	8.05	お呼吸が行う	9.80	200	MARK WALK	12.16	5.03	2.11	3.08	58	5	13.0		
						3.25		9.45			19.99	5.12	2.18	f 8.17	69	5	17.5	NASON CREEK	
						8.40		10.00			12.33	8 5.19	. 2.25	s 327	135	41	20.5	3.0 MERRITT	
			5 3 3 3 4			4.80		10.55			19.44	5.40	2.45	3.45	70		24.9	gaynor	
						5.05	Pine	11.80			19.54	1 8.55	8.00	4.00	140		28.0	3.1 EBERNE	
						5.50 43 6.30		12.80Pm			1.08	6.15	8.20	· 420	78	165	32.3	CASCADE TUNNEL	
	San Contract			3rg - Tares		0.45		12.55	Page 198	2.75	1.21	6.80	. 8.85	. 4.85	90	91	35.9	3.6 TYE	
			500			7.05		1.25	No.	ALC: N	1.81	6.41	8.46	4.48	63	9	39.5	3.6 ALVIN	
						7.20		1.40	F. IR		1.40	6.49	8.55	4.54	64	12	42.2	COREA.	
	(100) the					7.40		2.05			1.50	7.00	4.06	5 5.04	69	6	45.2	3.0 SCENIC	
					KILL	7.55		2.20			2.00	7.10	4.15	5.18	60	6	48.3	3.1	
						8.10		2.35			2.10	1 7.90	4.25	5.22	60		51.8		Î
S FOR		9.00Am				8.80	Description of the last of the	3.00 3.30		7.00Am	2.25 28 2.30	7.35 7.40	4.40 4.45	5.35 5.40	73	184	57.0	SKYKOMISH	Ï
		9.15	The same			9.20		3.45		1 7.19	2.40	288 7.55	4.55	5.50	68	7	61.1	drotto	i
		9.40				951		4.00	N. Hartis	7.25	9.50	8.07	5.06	6.02	67		66.1		Ï
		10.15		- 35	A 34.0	10.05	12/1/2	4.20	Sty Par	7.40	8.01	8.22	5.19	6.14	78	18	71.2	5.1 INDEX	
		10.88				10.20		4.40	object (	7.50	8.10	8.32	5.29	6.24	68	2	76.3		i
		11.13				10.80		4.55		8.00	8.16	8.47	5.38	6.33	69	45	80.0		Ī
		11.80			2018					8.08	8.21	8.55	5.43	6.88		18			Ť
		11.55	-		1000	10.45	ente presi	5.20	Test STEPS	8.18	8.97	9.08	5.51	6.48	55	22	85.8	3.4 SULTAN	Ī
		12.55hm	3.8 2		18.56	11.05	of Del	1-288 6-10	8.13	8.85	8.41	9.19	286-401 6-10	7.02	91	42	B. R. C. St. Co., 10	MONROE	100
		1.55	No. 1984		- Standar	11-29	and the last	6.40		8.55	8.55	9.37	6.28	7.18	52	100	100.2	6.9 SNOHOMISH	-
		2.35			JAMES I	11.50	Title 15	7.00		9.07	4.05	9.47	6.40	7.28	50		106.0	LOWELL	
			Male 1		No.		The same of			1 9.10	4.08	9.52	6.43	7.82	44			PACIFIC AVENUE	ĺ
			100		TEST I	The state of	TENT S			9.22	4.17	10.02	6.58	7.49				EVERETT	i
		A STATE OF		3	2000	-			of section 1	9.25km	4.20An	10.05Pm	6.55Pm	7.45Am	6		-	EVERETT JUNCTION	-
		8.10Pm	- 8 -	MAN A	ST F TOTAL	19.30Am	197	8.00m	103 3	107 3	1 - 1	ALL S	O.OOTIII	1,40,6	85		v	In N. P. Ry.	-
		Arrive Daily Ex. Sunday	I STEEL			Arrive Daily		Arrive Daily		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily				THE TAX TO	-
		715		-		411		401		285	27	43	1	3			-		-
		6.10				11.30		12.0		2.25 21.8	4.40	5.40	5.20 20.6	5.15		-	-	Time Over District Average Speed Per Hour	-

	Pelte	The second second	1		FIRST CLAS	s.	5-159
Time Table No. 76.	from	SIGNS. See Rule 7, page 15	28	,416	2	44	286
STATIONS.	Distance	ME VENE	Express	Pamenger	Passenger	Passenger	Passenger
	"	Sec. Language	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
LEAVENWORTH	109.5	Re DN WCTYOP	s 6.00Am	s 3.15Pm	s 1.25Am	s 4.20km	1 3 3 3
DRURY	103.2	DN P	5.40	2.57	1.07	4.02	J. Page
	99.0	DN W P	5.80	1 245	12.57	3.52	B- 45.6
winton	96.5	DN P	5.23	2.39	12.51	8.46	( 18 H
NASON CREEK	92.0	DN P	5.11	1 2.32	12.41	3.86	E Sher
MERRITT	89.0	DN WY P	5.03	1 2.25	12-33	327	75.03
MASON SEREEK	84.6	DN P	4.51	2.15	12.19	8.15	
BERNE	81.5	DN W P	4.40	2.07	12.09Am	8.09	
CASCADE TUNNEL	77.2	R DNW T P	4.20	s 1.55	s 11.57	a 2.50	N SAN
CASCADE TUNNEL   S   A   A   A   A   A   A   A   A   A	73.6	eDN WC P	4.02	. 140	11.40	. 2.82	2 300
3.6 K SY	70.0	DN W P	8.42	1.25	11.93	2.13	1
COREA	67.3	DN P	8,82	1.15	11.18	2.02	
SCENIC	64.3	DN W P	8.20	1.08	11.02	s 1.50	
NIPPON	61.2	DN W P	8.04	1 12.48	10.45	1.84	PO S
TÖNÜA	57.7	DN P	2.52	1 12.37	10.88	1.22	100
	52.5	Re DN WC Y P	2.35 2		10.15	1.05	s 8.10Pm
agotto	48.4	P	2.20	12.04Pm	10.01	12.51	t 7.55
	43.4	D W P	2.10	11.58	411 9-51	19.40	. 7.85
INDEX	38.3	DN P	1.56	. 11.88	9.87	19.97	. 7.18
REITER	33.2	W P	1.44	11.20	9.25	12.15	f 7.00
	29.5	DN Y P	1.87	715 11-13	9.18	12.08	s 6.50
STARTUP	27.1	P	1.88	11.08	9.14	12.04Am	s 6.48
	23.7	D P	1.27	11.09	43 9.08	11.58	6.83
7.5 MONROE	16.2	DNW YP	1.13	10.49	s 8.54	11.44	1-401 8 6-10
snoftomish	9.3	DN Ps	12.56	10.82	. 8.89	· 11.29	s 5.55
LOWELL	3.5	R DN P	12.43	10.20	8.27	200	. 5.87
	1.9	DN Y P	12.40	10.15	8.24	11.14	5.84
everett	0.8	к ,	12.36	. 10.10	. 8.20	. 11.10	s 5.80
EVERETT BUNCTION	0.0	R DN P	12 30ka	10.05Am	8.15Pm	11.05Pm	5.20Pm
Via N. P. Ry.	Bell I	Re DN WCTYOP	Lang Age H	255			
		The Sales	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
		ELSING A. A.	28	4	2	44	286
Time Over District Average Speed Per Hour	150	CONTRACTOR OF	5.30 20.5	5.10 21.2	5.10 21.2	5.15 21.0	2.50 18.9

West bound trains are superior to east bound trains of the same class.

No 27 is superior to all other trains. Opposing first class trains will clear No. 27 five (5) minutes.

Other opposing trains will clear No. 27 ten (10) minutes.

All west bound trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown. Freight trains will use N. P. tracks between Lowell and Delta and will be governed by N. P. time table and rules between these

Freight trains on ascending grade in either direction between Leavenworth and Skykomish will take siding at meeting point. Trains in the same direction down grade between Skykomish and Leavenworth must keep at least twenty-five minutes apart and operators will block trains as provided in this rule.

and operators will block trains as provided in this rule.

All trains will reduce speed to eight miles per hour through Martin Creek Tunnel and over bridges at either end.

All trains will reduce speed to ten miles per hour over crossing just east of Pacific Ave. Preight House.

Additional to other required tests of the air brake, no train will leave Cascade Tunnel until the air brakes have been carefully tested. Engineer will set the brakes and leave them set until trainmen examine each car, then release them, and trainmen will again examine each car and see that brakes release before giving the signal to start the train. Conductors must inform engineers how many cars local and empty in the train, and how many cars of "air" are working.

to Skykomiah.

to Skykomish.

Trains are operated between a block post, 125 feet west of the east crossover switch Cascade Tunnel and the safety switch west end depot at Tye, by a train staff block system. No train or engine will be run in either direction between the limits mentioned unless train engineman and the engineman of helper engine each has in their possession a section of a staff which will be handed to them by operators and will be retained by them until entire train has cleared block, then sections of staff must be handed to operator. When no helper engine is used, or when any cars behind helper, conductor or brakeman located on rear of train must be in possession of one-half of the staff.

half of the staff.

Only one train is permitted to enter or use the block at the same time.

Bulletin boards are located at Leavenworth, Cascade Tunnel, Skykomish, Delta.

Bulletin boards are located 1200 feet east of switch at Holmquist Spur half-mile east of Monroe.

Berlin and Barring and B. B. & R. Spur two miles sast of Index will be flag stop for Nos. 285 and 286.

No. 43 stops at any station to let off passengers from east of Colbert.

No. 45 stops at any station to pick up passengers for points south of Shelby.

Yard limit boards placed each way from Skykomish, Cascade Tunnel and Leavenworth, and east from Pacific Avenue.

INITIAL STATIONS.

Leavemorth for trains Nos. 3, 1, 43, 27, 401 and 411. Everett Jet. for trains Nos. 28, 4, 2, 44 and 286. Skykomish for trains Nos. 285 and 715. TERMINAL STATIONS.

Leavenworth for Nos. 28, 4, 2 and 44. Skykomish for train No. 288.

Everett Jet, for trains 3, 1, 43, 27 and 285

Delta, 401, 411 and 715.

DERAIL SWITCHES.

Derail switches must always be set for derail except when in actual use, whether there are any cars on the tracks or not Cascade Tunnel east passing track lead, 30 feet from main line.

Tye, west end Industry track.

Tye Safety Switch, 70 feet west of station, on main line.

Scenic Industry track.

Grotto, 150 feet east of west head block Industry track.

Halford passing track 150 feet east of west head block.

Halford passing track 150 feet from west head block.

Monroe Mill Spur, 200 feet from head block.

Derail Brewers Spur, Pacific Ave., 210 feet from head block.

Frye-Bruhn Spur, 120 feet from Crossing Agnew Hardware Co. Spur

Power House Spur, 105 feet from head block

Chiwalkum and Merritt

When trains most at these counts and so the multiple of the multiple of

Chiwaukum and Merritt. When trains meet at these points, rule 99 is modified to the extent that inferior trains will enter the

NAME	LOCATION	OPENS	LENGTH	CAR
Nippon Lumber Co.'s Spur	At Nippon	West		4
eattle-Boston Copper Co. Spur	0.8 Miles west of Tonga	East	300 feet	3
kykomish Mill Co.'s Spur	0.3 Miles west of Skykomish	East		20
reat Republic Mining Co., Berlin	1.5 Miles west of Skykomish	West		14
reat Republic mining Co., Derlin	1.5 Miles west of Skykomish	West	100000000000000000000000000000000000000	4
erlin Spur, Miller River Co	0.3 Miles east of Grotto	East	1200 feet	25
rotto Lumber Co		Both ends	1200 1001	24
. N. Shingle Co.'s Siding	3.5 Miles west of Grotto		********	18
aring Cedar Co. Spur	Off of G N. Shgl Siding	East	**********	19
aring Granite Spur		West	450 feet	
B. & R. Spur	2.0 Miles east of Index	West	********	5 2
eybrook Spur	1.5 Miles east of Index	East		2
mith Lumber Co	0.5 Miles east of Index	East		12 10
oderburg Spur	0.7 Miles west of Index	West		10
obinson's Spur	0.5 Miles west of Gold Bar	East		26
asey's Spur	0.1 Miles east of Sultan	East		5
asey s opur	4.7 Miles east of Monroe	East		3
wen's Spur		East		4
olmquist Spur		East		18
onroe Mill Spur	0.3 Miles east of Monroe	West		10
onroe Gravel Pit	0.0 Miles west of Monroe	West		25
agner & Wilson Lbr. Co. Spur	0.5 Miles west of Monroe			20
oodruff	2.0 Miles west of Monroe	Both ends		24 27
scade Lumber Co. Spur	0.1 Miles east of Snohomish	East		27
recepte Spur	0.5 Miles east of Lowell	West		25
ouse Track	0.0 Miles east of Lowell	East		25
ate Mill Co	0.5 Miles east of Everett	East		12

UND.	WEST BO						TTLE.	TO SEA	NCTION	RETT JU	-EVE	ISTRIC	COND	SI				
16	Time Table No. 70	24	ITY OF	CAPAC SIDE 1			distribution		CLASS.	FIRST	A BOLLEY				CLASS	SECOND	A 248	THIRD CLASS
	in Effect Sept. 24, 1911	from	icks	racks	27	357	3	285	277	359	273	1	355	43	401	Br antere a	rische edit	717
	STATIONS.	stance fro	ber Tr	T Zujes	Fast Mail	Passenger	Passenger	Passenger	Fast Freight	internació	a American	Mdse, Freight						
		QÚ	ŏ	Pa	Delly	Leave Daily	Lesve Daily	Leave Daily	Leave Daily	The second	N Maria	Leave Daily						
1	EVERETT JUNCTION	100		Jan.	4.20Am	6.40km	7.45km	9.25An	10.05Am	718 2.10hu	5.35Pm	278 6.55Pm	8.20m	10.05Pm	2 30Am	C345,054		
	MUKILTEO	3.8	68	1	4.27	6.50	7.52	9.32					CALCULATION OF THE PARTY OF THE	THE RESERVE OF STREET	Make Make Make Make Make Make Make Make	1001 2000	200000000000000000000000000000000000000	4.00Pm
_ 0	udilen	7.9		1			100000	-	s 10.15	2.16	5.45	7.03	8.27	10.12	2.45	ter yaylarin	L Service Co.	4.85
- =		-	1	18	4.85	f 6.58	8.00	9.89	1 10.23	2.22	5.53	7.10	8.33	10.20	2.55	and there	STATE OF STATE OF	5.05
-( # -	MEADOWDALE	10.9	5	120	4.42	f 7.05	8 0 6	9.44	f 10.30	2.27	6.00	7.17	8.38	10.26	3.05	Self Services	(Marie etchio	5 25
- S _ t		14.8	37		4.51	s 7.15	8.15	9.54	10.40	2.83	6.10	7.24	8.45	10.34	3.25	F /50 -10	design to	6.00
	RICHMOND BEACH	17.8	50	题	4.59	1 7.23	8.21	10.00	10.49	2.38	6.18		THE RESERVE	Mary Wall	CONT. CARROLL P. LEWIS CO., LANSING, SPECIAL	OFFICE OF	100	THE RESERVE THE PARTY NAMED IN
	6.2 METUM	24.0		SUL	5.12		360 8-32					7.31	8.51	10.40	3.35	2794.503	10 000700000	6 80
	BALLARD		_	-	1000	t 7.85	8-32	10.11	11.00	2.47	6.29	7.42	9.02	10.51	4.05	27 mg 342 to 12	COLUMN THE	7.00
		26.9	183	-	5.20	s 7.45	8.39	10.18	1112	2.53	6.37	7.50	9.08	10.58	4.20			7.10
I	INTERBAY	28.0	626	80	5.25	1 7.50	8.43	718 10-22	. 11.17	2.57	6.42	7.55	9.12	11.02	4 30Am	100	100	7.20m
Track	a. N. DOCK	29.3	415	157	5.80	1 7.55	8.48	10.27	11.22	3.02	6.47	Carlotte and the	The state of the	THE R. P. LEWIS CO., LANSING, MICH.	4 50/20		55 H 45	7.20m
20 I	SEATTLE	32.7	538	/	5.45Am	. 8.10Am	9.00M	s 10.40km	s 11.35km	s 3.15Pm	7.00m	8.00	9.17	11.07	The Mark of the State of the St	00000		

8.85Pm

10.10Pm

Arrive

1

24.5

Arrive Daily

273

#### Special Rules.

Arrive

401

43

West bound trains are superior to east bound trains of the same class.

No. 27 is superior to all other trains. Opposing first class trains will clear No. 27 five (5) minutes. Other opposing trains will clear No. 27 ten (10) minutes.

All west bound trains must be clear at the time No. 27 is due to leave the next station in the rear where

Double track between Everett Jct. and Metum and between G. N. Dock and Seattle

285 meets No. 4.

Arrive

717

277 meets 718.

357 meets 360 on double track between C. N. Dock and Seattle.

10 308-

11.50Pm 11.59

6.00Am

Arrive Daily

355

1.10

717 meets 286, 358 and 278. 273 meets 278, 358 and passes 717.

270 passes 718.

No. 1 meets No. 2. No. 43 meets No. 44 and 712 on double

track between Metum and Mukilteo.

All trains will reduce speed to 8 miles per hour passing through town limits of Edmonds and Ballard,
Control Manual Block System is in operation between Pacific Avenue and Everett Jct, between Metum and G. N. Dock,
Trains entering double track at Everett Jct, and Metum and at G. N. Dock and Seattle will not exceed speed of ten miles per hour.
Ballard, Edmonds and Mukliteo are fing stops for No. 4 to take passengers for Spokane or points east of Spokane.

Mile post 10 between Metum and Richmond Beach will be fing stop for 277 and 278.

Mile post 10 between Metum and Richmond Beach will be flag stop for 277 and 278.

Trains 1 and 2 will stop at stations between Tacoma and Seattle to pick up or let off passengers for or from points east of Seattle complying with N. P. time table schedule.

Ballard will be flag stop for No. 2 to take passengers for Spokane or points east of Spokane.

No. 43 will stop at any station to let off passengers from east of Colbert.

No. 44 will stop at any station to pick up passengers for points south of Shelby.

All Great Northern Trains between Seattle and Vancouver, Wash., will be governed by time table and rules of Northern Pacific

Railway.
All Great Northern trains between Vancouver, Wash., and Portland will be governed by time table and rules of Spokaus,
Fortland & Seattle Railway.
Yard limit boards east of Balard covers limits to Seattle.
Bullatin beards are located at Interbay and Seattle.

#### DERAIL SWITCHES.

Arrive Daily

277

3.45Pm

5.00 5.05

10.00Pm

359

Mukiltee Lumber Co., Spur, 144 feet from head block. Richmond Beach, 120 ft. west H. B. Industry track.

Arrive Daily

285

Arrive Daily

3

INTERLOCKING governing N. P. Ry. Crossing just west of Interbay yard:
Westbound home signal is located 300 feet east of crossing. Eastbound home signal is located 300 feet west of crossing.
Both home signals have two arms. Top arm works from zero to 90 degrees up and is semi-automatic. Lower arm is fixed and

6.00Am

7.05km

Arrive Daily

27

JN MU

AD DR R UN BD RB Z UD

2

.....SEATTLE.

73.4

TACOMA.

PORTLAND ...

Time Over District Average Speed Per Hour

Derails are located 55 feet in advance of home signals. Distance signal eastbound is located 3000 feet from eastbound home signal and works zero to 45 degrees up and is authomatic. Derails and dwarf signals on G. N. yard track are 150 feet from crossing, east and west.

10.00Am

11.20

5.00Pm

Arrive

357

east and west.

Derails on N. P. track are located 200 feet from crossing, with dwarf signal 5 feet from them.

Printed instructions posted in cabin for the operation of this plant. Cabin is locked with a G. N. switch lock and an N. P. switch lock, so trainmen from both roads will have keys to get into cabin to operate plant.

Derail is pipe connected with switch stand.

Trainmen using this switch should see that all cars and engines are clear of derail before closing switch.

## Business Tracks Not Shown as Stations on Time Table.

NAME AND	LOCATION	OPENS	LENGTH	CAR
Mukilteo Shingie Spur Doucett Spur Mukilteo Lumber Co. Brown Bay Logging Co. Connection Invincible Railjoint Spur E. W. Mills Spur. E. W. Mills Spur.	0.7 miles east of Mukilteo	West West West West East East West		3 2 10  8 2 10

	8	L (September)		8 Pt 10			explane	FIRST	CLASS.			All transfer	2-12 0110	110	SECOND	CLASS.		THIRD CLASS
Time Table No. 76.	from Seat	SIGNS. See Rule 7, page 11		360	4	270	286	358	278	2	44	28	356	712	134	ELY	713	718
	Anos		99 10	Passenger	Pamenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Express	Passenger	Fast Freight		450 44	Cranck yers	Mdsc. Freight
STATIONS.	Dist			Arrive Daily	Arriva Daily	Arrive Daily	Arriva Daily	Arrive Daily	Sec. Sec.	748 THE TOTAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART	Ole.	Arrive Daily						
EVERETT JUNCTION	32.7	R DN	P	9 25km	10.05 ks	1.20mm	5.20Pm	5.40m	6.50fm	8.15Pm	11.05Pm	1280Am	1.10Am	11.59hn		partie .		2.10fm
	28.9	D	P .	9.19	9.58	. 1.12	1 5.11	5.88	6.40	8.09	10.59	12.23	12.58	11.50		PAYE		1.55
MOSHER	24.8		PI	9.10	9.51	1/02	1 5.01	5.98	f 6.81	8.02	10.52	12.16	f 12.48	11.35		115		1.15
MEADOWDALE	21.8	D	1	9.08	9.48	19:58	1 4.55	5.21	1 6.24	7.57	10.47	19/11	f 12.40	11.25		W.		12.55
	17.9	D W	P	8.55	9:40	1950	4.47	5 14	. 6.16	7.50	10.40	12.06km	12.32	11.15				12.30Pm
RICHMOND BEACH	14.9	D	P	8.44	9.34	1941	. 4.38	5.09	. 6.09	7.45	10.35	11.59	1 12.24	11.08		12.0		11.40
6.2 METUM	8.7	DN		832	9.25	12:80	1 425	5.00	5.57	7.34	10.25	11.50	f 1211	10.50		50.0		10.55
BALLARD.	5.8	D	,	6.23	9.19	19:24	1 4.19	4.54	5.50	7.29	10.19	11.44	s 12.05	10.40	6	品 紅龙		10.40
INTERBAY	4.7	Re DN WCTOR	K s	8.15	9:15	12:20	1 415	4:50	5.45	717 7.25	10.15	11.40	12.01km	10.80Pm	19	PI.10		10-30Am
d. N. DOCK	3.4	DN	Р	8.10	9.10	12.15	1 4:10	4.45	5.40	7.20	10.10	1185	1 11.55			Jan .		
3.4 SEATTLE	.0	R DN I P	к	8.00Am	9 00km	12.05Pm	4.00Pm	4.85Pm	5.80Pm	7.10Pm	10.00Pm	11.25Pm	11 45Pm					
SEATTLE	183.1			7.80Am	No.	44.5	657	4.15Pm		s 6.50Pm		. 11.10Pm	s 11.15Pm		-	KT\$1.61		
TACOMA	142.4	1.0		6.05 6.00kg	-505-0	79.8	SC SPA	s 2.55Pm		5.25Pm		10.00m	10.05			00 0		
PORTLAND	.0	part of the second		12.15An	59-q A	1	100 hr 5	10.00ka				16.1361	5.00Pm			1164		
Company of the Compan				Leave Daily	NO.	Ind.		Leave Daily										
and from	0.71			360	4	270	286	358	278	2	44	28	356	712		, 10E &	robt #	718
Time Over District Average Speed Per Hour	103.1			1.20	1.05	1.15	1.20	1.05	1.20 24.6	1.05 30.1	1.05	1.05	1.25	1.29		100	172.11	3.40 7.6

#### Automatic Block Interlocking Signals and Semaphores

Everett Junction interlocking, westbound home signal, (high line), is located 200 feet from westbound crossover switch, and has three arms; the top arm is for main line trains through crossover; the second arm fixed; bottom arm for diverging

THE YES SEE

Westbound Home Signal, Coast line, is located fifty-five feet from east end of eastbound crossover switch and has three arms; top arm is for main line; second arm fixed; bottom arm crossover movements.

Distant signals, westbound high line and Coast line, are located 3500 feet from home signal, and work from zero to 45°. First automatic signal west bound, is 2500 feet west of Everett Junction. From first automatic signal to Metum, they are located about 7500 feet apart,

are located about 7500 feet apart,
G. N. Dock to Seattle first automatic signal westbound is located 500 feet from G. N. Dock; second 3000 feet; third signal is distant signal for North Portal Interlocking Plant.

First automatic signal east bound is located 3000 feet from eastbound home signal, North Portal; second 3000 feet from first one; next signal is Manual Controlled Block for G. N. Dock.

First one; next signal is Manual Controlled Block for G. N. 1998.

First automatic signal at Metum is located 3000 feet west of end of double track, and works from zero to 45°. Signal at 45° shows clear track to second automatic signal located on double track. F. om Metum to Everett Junction, signals are about 7500 feet apart, to Home signal for interlocking plant at Everett Junction.

Eastbound home signal, Everett Junction Interlocking is located 200 feet from west end of eastbound crossover switch, and has two arms, Top arm is for main line to St. Faul, lower arm for crossover up the Coast line.

Semaphores at Pacific Avenue and Metum for westbound trains, and at G. N. Dock and Everett Junction for eastbound trains, will be used for manual controlled block.

For Further Instructions and Diagrams see page 14.

			- Charles						A COLOR		-				-	1	-	1
8,98,31	THIRD CLAS	55	288,800	MONEY 5	ECOND CL	ASS.	brytel	25000-7918	1,1000,500	FIRST CLA	55.		33.33	SIDE	CITY OF TRACKS		Time Table No. 76.	10
	218	717	713	805	935	711	4.5	279	355	273	359	277	357	Tracks	loke	e from	In Effect Sept. 24. 1911.	oh Calls
		Mdse. Freight Leave Daily	Mdse, Freight Leave Daily Ex. Sunday		No. of	Fast Freight Leave Daily		Passen Leav Dail:			Passenger Leave Daily	Passenger Leave Daily	Passenger Leave Daily	Passing	Side Tra	Distance from	STATIONS,	Tolegray
	-0-	Daily	712 6-30Am		Teas.	358 7.50Pm	a delica	51			1	7.10Am	8.00Am	1 42	202	0.0	BELLINGHAM	. н
		1500	7.00	1 1831	3 3 444	8.15	4 4 4 5 7	s 5.2		714	380 12.15	7.20	3.15	47	30	2.9	SOUTH BELLINGHAM	
	811		7.15		10000	8.30	A Laboratoria	f 5.8			12.23	1 7.80	f 8.80	67	8	6.9	4.0	
	15.29		7.40		F 1000 81	8.45		5.4	10000	100000	12.83	r 713	1 356	68	8	12.5	5.6	
	1.00m Po. 7	11000		COSTO CONTRACTO		Saint	EGH	f 5.4		8.14	1 Paren	1 7.43	1. 80,000	14	10	13.2	0.7	
100	80.00	NAME OF	280 8-40	Description of the second	1.00	278 9.02	6/31	s 5.5	6.89	s 3.25	12.40	s 7.50	4.08	68	17	16.6	3.4	ВО
	26897		9.05		1 ares	9.30	Lese	. 6.1	6.46	s 8.85	12.47	s 7.58	. 4.14	27		21.2	BELLEVILLE	BV
	S NAME	10000	10.30 714	e exis	- New Kr	10.15	1	. 62	7m . 6.55	. 3.47	12.55	280 8-10	· 430	48	225	23.8	2.6	_
	100	1	360 11.10		- Details	10.85	WEST		6 7.05	4.09	1.08	8.92	4.45	44	38		4.1	
			11.35		1000	11.00	THE MEDICAL		7.18	4.18	1.12	8.88	8 8.02	67	20	33.3	5.4	_
		111117	S. Albert		Dietarr.	- Company	T. STATE		and the last	4.18	eleti i.e.	8.38	serve -	Tally.	4	35.0	mill rown	
			19.25Pm		Loni	11.85		Tables Co.	7.25	4.28	1.24	s 8.47	. 5.20	68	33	40.4		. в
	FIR TOWN	Apple	1.00		14285	11.55		A PART OF THE PART	7.84	s 4.40	1.38	9.06	. 5.85	29		45.9		. NA
			1.35 359 2.05 270		1000	12.15Am		ELEVA	278 7.42	1 4.50	1.40	f 9.17	f 5.47	68	17	50.0	ENGLISH	
SUM	100	E NELLE	3.05	200	1000	12.45			7.52	s 5.06	1.50	s 9.33	s 6.06	67	17	57.0		. MS
	less.	8.35Pm	3.80Pm	MALE STATE	1335	1.00As		7.87	7.58	5.12	1.56	. 9.41	6.15			59.7	DELTA WYE	
		8.40					201		8.01	5.16	1.59	360 9.45	6.20	37		60.7	LONG SIDING	
		8.50							8.15	5.25 5.32	. 2.08	10.09	s 6.87		145	63.3	EVERETT	
	Marie Marie	4.00Pm							8.20	m 5.85Pm	718 2.10Pm	10.05Am	6.40Am	38		64.1	EVERETT JUNCTION	. JN
		Arrive Daily	Arrive Daily Ex. Sunday	Special Zin		Arrive Daily		Arriv Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	12				
		717	713	nited to and the	of trime	711	COMPLETE A	279	355	273	359	277	357					
	e if the post business	0.25 10.5	9.00			5.10 12,0	128000	1.10	2.17 28.5	2.55	2.05 30.5	2.47	3.40	etigh	month.	14 115	Time Over District Average Speed Per Hour	

#### South bound trains are superior to north bound trains of the same class.

All trains will reduce speed to 8 miles per hour over all draw bridges. Everett yard limits includes Delta yard and from North end of Draw Bridge 11 to yard limit board south of Everett Junction.

#### INITIAL STATIONS.

Blaine for trains Nos. 277, 711 and 720. Bellingham for trains Nos. 279 and 713. Burlington, for train No. 280. Delta Wye, for trains Nos. 712, 714, 717. Everett Jet., for trains Nos. 270, 358, 360, 356, 278, 718 and 712. Fraser River Jct., for trains Nos. 386 and 398. New Westminster, for train No. 385. Vancouver, for trains Nos. 359, 355, 273, 357, 397 and 719.

#### TERMINAL STATIONS.

Blaine for trains Nos. 278, 712 and 719. Bellingham, for trains Nos. 280 and 714. Burlington, for train No. 279. Delta Wye, for trains Nos. 711, 713, 718. Everett Jet., for trains Nos. 359, 355, 273, 357 and 277. Fraser River Jet., for trains Nos. 385 and 397 New Westminster, for train No. 386. Vancouver for trains Nos. 270, 358, 360, 356, 398 and 720.

#### DERAIL SWITCHES. Chuckanut, east end siding.

B. B. & E. Transfer Track east end.

Interlocking System.—Governing movement of trains N. P. crossing and Bridge 10 just north of Delta Wve.

All south bound trains from Vancouver will be governed by a Two Arm Home Signal located 700 feet north of draw span. Too arm at 90 degrees up proceed to Two Arm Home Signal located 20 feet north of N. P. crossing, too arm at 90 degrees up proceed to Bayside, lower arm 90 degrees up proceed to Delta yard. A Caution Fixed Signal is located 2500 feet north of Two Arm Home Signal.

Train movements from Bayside to Vancouver will be governed by top arm on Two Arm Home Signal located 60 feet south of wye switch, and by Two Arm Home Signal located on treatle 500 feet south of draw span. A Caution Fixed Signal is located 2000 feet south of wye switch.

Train movements from Delta to Vancouver will be governed by top arm on Two Arm Home Signal located 60 feet south of was switch, and by Two Arm Home Signal located on trestle 500 feet south of draw span.

Trains between Delta and Bayside will be governed by bottom blade on two blade semaphore located 60 feet south of wye switch

Interlocking system in use bridge 10, 11 and 12 between Delta and Marysville and at Skagit R. R. Crossing one mile south of Fir.

The normal position of switch at Everett Junction is for Main line and at Delta Wye for Coast line.

All trains will reduce speed to 8 miles per hour passing through town limits of -Marysville, Mount Vernon, Burlington and over Bond Street and Hewitt Ave., Everett. Side clearance Tunnel 20, one-quarter mile south of Sockeye, not good. Clearance four feet, standard six feet.

Register for Delta Wye is located on ground floor interlocking plant. Bulletin boards are located at Burlington and Bellingham.

Norman, one mile north of Silvana is flag stop for Nos. 277 and 278. Steam whistle signals for tracks with switches controlled from Interlocking Towers.

Main Line—One Long.

Delta Yard from North—One Long, One Short.
Delta Yard from South—Two Long, One Short.
Delta Yard North—Two Long.
Delta Yard South—Three Long, One Short.

Semaphore located 1200 feet south of south switch South Bellingham. Yard limit boards placed each direction Burlington, South Bellingham and Bellingham.

The state of the state of			F 2 24	104.50 (J.63)	Parker F	IRST CLAS	s.	17-45 comp.	er as	SECOND	CLASS.	THIRD	CLASS
Time Table No. 76. In Effect Sept. 24, 1911.	Distance from Everett Junction	SIGNS. See Rule 7, page 15	356	360	270	358	278	280	(113)	712		714	718
	and reft.		Passenger	Passenger	Passenger	Passenger	Passenger	Pamenger	ate Made	Fast Freight		Mdse. Freight	Mdse. Freigh
STATIONS.	BA	1 年 1 年 1 年	Arrive Daily	Arrive Dally	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		Arrive Daily		Arrive Daily Ex. Sunday	Arrive Daily
BELLINGHAM	64.1	Re DN CWTK	. 4.25km	s 12.30Pm	s 4.00Pm	s 7.45Pm	9.40Pm	s 9.80Am		6-30ka		3.30Pm	
SOUTH BELLINGHAM	61.2	D W	v 4.12	s 12.15	. 849	s 7.83	9.29	s 9.15		6.15		273 2.52	
SOCKEYE	57.2	64 - 75 - 201	1 409	r 19.08hn	8.41	7.25	1 9.90	1 9.04		6.00		2.35	
	51.6	w	357 3 50	11.51	3.81	7.15	1 9.10	8.51		5.40		2.00	
BLANCHARD	50.9	<b>电子差级</b>	N Alley	a 11.48			1 9.08	1 8.49	GE E				
	47.5	D	. 8.88	. 11.41	273 3.25	7.09	• 9.02	. 840		5.25		1.20	
BELLEVILLE	42.9	D	8.28	. 11.81	8.16	7.00	s 8.58	8.27		5.10	53 24 55	350 12.47	
BURLINGTON	40.3	R DN. COWAX	s 3.20	11.25	s 8.10	355 6-55	8.47	277 8 20Am		5.00 357 4.30		12.15Pm360 10.30 713	
MT. VERNON	36.2	DN	s 8.05	11.10	. 2.55	s 6.45	8.34	all to be	S 301	4.10		10.00	
5.4 FIR	30.8	D de es	9.45	10.58	. 9.49	6.37	8.20		42.40	3.50	574	9.20	
MILLTOWN	29.1	Lat Laborer	05.011.3	10.46	1 9.86		s 8.14		9.3	2001	1.80		
	23.7	DN	. 2.25	10.87	. 2.27	6.26	8.05			8.25		277 8-47	
	18.2	D W	. 2.11	10.93	. 215	6.18	. 7.51		The second	3.05		8.15	
ENGLISH	14.1	<b>国国际基</b> 派	f 1.59	1 10.18	713 2.05	8.11	1 7.42			250		785	
MARYSVILLE	7.1	DN	1.49	. 9.59	359 1-50	6.01	. 7.25		district to	215		6.45	
DELTA WYE	4.4	R 1 Y	1.80	9.49	1.40	5.55	7.10		1000	2.00As		357 6-15An	2.85Pm
LONG SIDING	3,4	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.27	9.45	1.37	5.52	7.07						2.25
EVERETT	0.8	19. 17.65.7065	s 1.20	9.35	. 1.30	. 5.47	. 7.00		1				2.15
EVERETT JUNCTION	0.0	R DN	1.10Am	9.25Am	1.20m	5.40Pm	6.50Pm						359 2.10Pm
CONTRACTOR LAW - 1 - 10	- Barris	19-1 3456-1-10	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	MET C	Leave Daily		Leave Daily Ex. Sunday	Leave Daily
	1		356	360	270	358	278	280	STORES	712		714	718
Time Over District Average Speed Per Hour		\$2.85	3.15 19.7	3.05	2,40 23 8	2.05 30.5	2.50 22.2	1.10	12001	4.30		9.15 6.7	0.25 10.5

# Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	LENGTH	CAR	or refriend and one NAME and white	LOCATION	OPENS	LENGTH	CAPACITY
	1.0 Miles north of Sockeye			38	Summit Mill Co	0.1 Miles north of English.	South		2
Chuckanut Cannery Spur	0.7 Miles north of Sockeye	North	**********	3	Kennedy Spur	4.2 Miles north of Marysville.	South		6
Blanchard Spur	0.5 Miles south of Samish	North		30	Kruse Bros. Spur.	2.5 Miles north of Marysville	North		2
Vinner Shingle Co.'s Spur	0.2 Miles south of Bow	North		6	Cox'a Spur	1.4 Miles north of Marysville.	North		4
	2.9 Miles north of Belleville			6	Union Slough	1.5 Miles south of Marysville	South		6
Surlington Cuarry	0.5 Miles north of Burlington	South	*********	11	Old Main Line	1.5 Miles south of Marysville	South		30
	1.5 Miles south of Burlington			2	Transfer Track	0.8 Miles north of Long Siding.	North		14
ittle Mountain Spur	1.7 Miles south of Mt. Vernon	South		3	Blackman Spur	0.4 Miles south of Long Siding	North		7
kagit Crossing Tr. Track	0.9 Miles south of Fir	South	******	6	Weidsner & Landsdown Spur.	0.0 Miles south of Long Siding	South		20
	1.3 Miles south of Fir	North		6	Neff's Spur	1.0 Miles south of Long Siding	North		50
Iorrison Mill Spur	2.1 Miles south of Fir	South		8	Wheelihan Spur	1.1 Miles north of Everett	North		7
etchum Spur	2.5 Miles north of Stanwood	South		4	Log Dump Spur	1.0 Miles north of Everett	North		21
al's Spur	1.4 Miles south of Stanwood	South		2	Clark Nickerson Mill.	1.0 Miles north of Everett	North		31
lorence	1.5 Miles south of Stanwood	North	*********	Pack 4 to lot 1 sport	Everett Milling Co.	0.7 miles north of Everett	North		26
anner	2.0 Miles south of Stanwood	South	**********	3	Nickerson Machinery Co	0.0 Miles north of Everett	South		4
	1.8 Miles north of Silvana			2	Nail House Spur	0.8 Miles north of Everett Jet	South		24
orman Spur	1.1 Miles south of Silvana	South	*********	2	Weyerhauser Timber Co	0.2 Miles north of Everett Jet	North		38

8 501	UTH BOUND.		THIRD DIS	RICT-VAN	COUVER	TO BEL	LINGHA	M.							anuba NYII6	4
	127 128	T THREE CLASSE	THIRD CLA	ss. s	ECOND CLA	NSS.	15,12, 101		FIRST CLAS	s.	NO YEAR	CAPAC	CITY OF TRACKS			
		824 - 937		19 711	385	397	277	355	273	359	357	neks	1.	g	No. 76.	e le le
		Secretaria part sept	Mdae	Freight Fast Freigh	The second second second second	Mixed	Passenger	Passenger	Passenger	Passenger	Passenger	the F	er Track	Distance fr	In Effect Sept. 24, 1911	graph
		HAME I CONTROLL A	Les	e Daily Leave Daily	Leave Daily Ex. Sunday	Leave Daily Except Sunday	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	P. P.	Other	Vale	STATIONS.	Tele
				3.45An	avio.e	2.00m	Select .	4.00m	12.15Pm	10.00Am	12.15/m	1	65	0.0	VANCOUVER	VN
		nes		3.50	1000	2.05	NUT F	4.04	19.90	10.04	12 20			0.7	0.7 WYE	
				.00	aca	1 2.10	1	4.09	1 19.95	10.09	f 12.26	43		3.5	STILL CREEK	
				.10		1 2.15	Oto 3	4.12	1 19.28	10.12	f 12.30	15	10	5.3	The second secon	
				0.20	150	1 2.22		4.17	1 12.88	10.16	1 12.36	41		7.9	BURNABY	
					I die	648	March .	180	19-11	100			-	12.9	SAPPERTON WYE	
		That		.45	THE .	. 2.88	00.0	4.24	1 19.49	10.24	12.49	29		18.1	SAPPERTON	
		11 付け	- 9	.55	1.00Pm	2.40	200	4.28	19.47	10.28	19.55		62	13.8	NEW WESTMINSTER	MN
			10	.00	1.10Pm	360 2.45hm	410	4.88	12.52	398 10.33	1.00			14.2	FRASER RIVER JUNCTION	
		200	10	.20		340	510	720 4.42	1 1.01	10.49	1 1.10	67		19.4	TOWNSEND	
			10	50	257/44	JULIU.		1 4.51	1.14	f 10-50	1.20	67	62	24.8	COLEBROOK	a
			13	.15		40.0	20.0	4.57	. 1.93	10.57	1 1.98		11	28.4	CRESCENT	
		<b>阿尼斯斯</b> 斯里里多	11	.45				. 5.07	. 1.37	11.07	. 1.40	30	100	33.2	WHITE ROCK	WR
						30.5	The same	1504	Back 1	1000				36.2	INTERNATIONAL BOUND.	
		The state of the s	15	.15Pm 8.45Pm		1000	6.15Am	8.20	1.50	1190	. 200	68	91	38.7	BLAINE	BN
		state walls		6.20		MEN	6.80	5.33	. 2.06	11.88	. 9.90	42	5	44.2	custer	cu
		314				Thirt .	6.85		1 2.10	157	1 2.28		2	45.9	ENTERPRISE	
		1		6.50		tor s	6.44	6.48	. 2.17	11.48	s 2.85	43	100	49.8	FERNDALE	FD
						Trong -	6.49	2507	t 9.22	elud I	9.40			52.0	BRENNAN	
		The state of the s		358 7-30fm		Tight 1	712 7.05Am	6.00Pm	. 235Pm	. 11.58An	s 2.55km	42	202	58.8	BELLINGHAM	нм
		714 715	Arriv	Daily Arrive Daily	Arrive Daily Except Sunday	Arrive Daily Except Sunday	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Duily	Arrive Daily					
			7	19 711	385	397	277	355	273	359	357				23 -0-1	
			16	.30 1,45 12.6	.10	1.45	26.6	2.00	2.20 25.2	1.58 29.6	2.40 22.1				Time Over District Average Speed Per Hour	118

South bound trains are superior to north bound trains of the same class.

The normal position of switches at Colebrook Junction, Guichon Line Junction and Fraser River Junction will be for main line. Ferndale will be flag stop for 358 for passengers from Everett and south of Everett.

Custer will be flag stop for 358 for passengers from Everett and south of Everett.

Semaphores for protection of draw on Fraser River bridge between Liverpool and New Westminster are located on south and north ends of bridge.

All trains will come to full stop within 50 feet of home signal on either side of Fraser River Bridge and will not proceed until clear signal is displayed and will not exceed a speed of six miles per hour over this Bridge. All trains will reduce speed to 8 miles per hour over all other draw bridges.

All trains will reduce speed to 8 miles per hour through city limits Blaine.

No trains in either direction will cross International Boundary at Blaine and White Rock without permission of Customs Officers. Yard limit boards at Bellingham, New Westminster and Vancouver.

All trains to and from Sixth district will protect between New Westminster and Fraser River Junction.

Bulletin boards are located at Bellingham and Vancouver.

Trains 359, 270, 355 and 358 will register by card at Colebrook.

DERAIL SWITCHES. Ferudale, 200 feet from east head block passing track.

New Westminster Interlocking System.—Signal tower is located 3,094 feet north of north end of Fraser River bridge, opposite crossing of the C. P. Ry. This apparatus controlls the crossing of the C. P. Ry. This apparatus controlls the crossing of the C. P. Ry., also switches leading to and from the Fraser River Bridge tracks and New Westminster. Distant Semsphores are located 1,200 feet south and north and Home Signals are 500 feet south and north of both bridges, The caution fixed signals are located 3000 feet from home signals. All signals have standard Indications.

#### NORTH BOUND.

# Business tracks not shown as stations on time table

PERST CLASS.

NAME	LOCATION	OPENS	Longth	Cap
Maddoughs-Shaw Spur	0.7 Miles north of Ardley	North		1
Wolfa Spur	. 0.5 Miles north of Burnaby	North		1
Mill No. 2 Spur	. 0.7 Miles south of Burnaby	South		2
Pifers Mill Spur	3.0 Miles north of Sapperton	South		1
Sand Pit Spur	0.7 Miles north of Sapperton	South		1
Distillery Spur	. 0.0 Miles north of Sapperton	South		2
		South	1111	
Blaine Shingle Co.'s Spur	2.0 Miles south of Blaine	South	10000	100
Blaine Spur	1.9 Miles south of Blaine			
Shelton Spur (off Blaine Spur)		South		100
City Dock Spur (off Blaine Spur)		South		8
Erie Mill Spur (off City Dock Spur)		South		1
Monarch Mill Spur (off City Dock Spur)		South		1
Barge Spur (off City Dock Spur)	. 0 Blaine	South		10.5
Melrosa Spur	2 5 Miles mostly of Chates	South		100
McDonald Spur	. 1.2 Miles north of Custer	South		
Enterprise Spur	. U. / Miles Dorth of Patterbrise	South		100
Sand Pit Spur	0.8 Miles south of Enterprise	South		1
Henry Spur	1.0 Miles south of Brennan	South		-
Marietta Spur	3.3 Miles north of Bellingham.	South		

WE	ST			-	CHERRY VALLEY BE	RAN	СН	1	18	0			E	AST
SECOND CLASS	FIRST	Capa Side	city of Tracks		Time Table No. 76	200			1			43	FIRST	SECOND
393	391	Tracks	eks	from	In Effect Sept. 24, 1911	nom	7		SI	GN	5		390	392
Mixed Leave Daily Except Sunday	Passenger	H H	E		STATIONS	age i	dan		100				Passenger	Mixed
	Leave Dairy Except Sunday	Pass	Othe	Distance	STATIONS OF THE PARTY IN THE	Dista Tolt	Teles	775					Arrive Daily Ercept Sunday	Arrive Daily Except Sunda
11.00Am	8.20Pm			0.0	MONROE	17.6	Ro	D	N	Y	w	P	a 8.20Am	a 8.30Pm
11.45	s 6.50	35	e Bill	9.1	DUVALL	8.5	17	D			15	P	s 7:85	2.85
12.80Pm	s 7.15Pm	33	45	17.6	TOLT	0.0		D	T	w		p	7.15Am	2.00Pm
Arrive Daily Except Sunday	Arrive Daily Except Sunday				The second section of the second	114000 classic							Leave Daily Except Sunday	Leave Daily Except Sunda
393	391		The state of	12.4	and the second second second	Marine I	18	F.				R	390	392
1.30	19.4				Time over District Average Speed per Hour	Balling .			Gi		700	10/2	1.05 16.3	1.30

Initial Stations | Tolt 390-392. Monroe 391-393. Terminal Stations | Monroe 390-392. Tolt 391-393

Time Table No. 76.

In Effect Sept. 24, 1911

STATIONS.

....STILL CREEK.....

.....ARDLEY.....

BURNABY.....

...SAPPERTON WYE...

....SAPPERTON.....

.. NEW WESTMINSTER....

FRASER RIVER JUNCTION

.....TOWNSEND.....

..... COLEBROOK ....

..... CRESCENT

..... WHITE ROCK......

INTERNATIONAL BOUND.

0.5 BLAINE....

...... CUSTER.....

....ENTERPRISE.....

FERNDALE.....

BRENNAN.....

...BELLINGHAM ...

Time Over District Average Speed Per Hour

.... VANCOUVER .....

4

Teleg

55.3

53.5

50.B

45.9

45.7

39.4

25.6

22.6

22.1

9.0

6.8

45.0 R DN

34.0 R DN WY

DN

0.0 RO DN CW T

DNTW 0

Eastbound Trains have right of Track over Westbound Trains of the same class.

FIRST CLASS.

358

Arrive Daily

10.00Am

9.58

9.47

9.48

9.37

9.28

9.25

9.18

9.10

9.00

8.50

8.40

8.25

8.05

711 7.50Pm

Leave Daily

358

# 10.30m

10.15

f 10.07

10.03

9.56

9.45Pm

Leave Daily

278

30.45

278

Arrive Daily

270

Arrive

6.28

6.17

6.07

5.58

5.55

5.48

5.40

5.90

4.50

4.20

4.05Pm

Leave Daily

270

6.80Pm .

356

Arriva Daily

7.30km

7.24

7.18

7.18

7.06

6.54

6.50

6.42

6.80

6.15

6.02

5.45

5.25

4.59

4.54

4.46

4.80km

Leave

356

YK

Signs. See Rule 7, page 15

58.8 R. DN WC O K

360

Arriva Daily

3.80fm

8.25

1 8.19

# 8.10

1 2.57

. 2.58

1 2.85

1 2.05

. 1.80

. 1.18

1 1.05

. 12.57

1 12.50

12.85h

Leave Daily

360

1.50 27

2.47

THIRD DISTRICT-VANCOUVER TO BELLINGHAM.

398

11.25Am

11.20

11.12

11.07

11.00

10.47

10.42

SECOND CLASS.

386

1 11.10Am

11.05Am

Leave Daily Leave Daily Except Sunday Except Sunda

386

398

Arrive Daily

Except Sunday Except Sunday

712

Fast Freight

720

Mdse. Freight

Arrive Dally

6.15Pm

6.05

5.55

5.45

5.85

5.20

5.10

5.00

4.05

8.80

8.00

Leave Daily

720

8.25

277 7.05ks

Leave

712

Business tracks not shown as stations on time t	

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Stephens Bird Ind, Spur Stephens Bird Logging Co.'s Spur Cerenis Spur C. B. Spur O'Neil Gowan Spur C. V. Log. Co.'s Spur Novelty Spur	3.5 Miles west of Monroe. 3.8 Miles west of Monroe. 4.6 Miles west of Monroe. 5.2 Miles west of Monroe. 6.4 Miles west of Monroe. 7.3 Miles west of Monroe. 11.6 Miles west of Monroe.	West East West East West West West	510 ft. 388 ft. 268 ft. 418 ft. 485 ft. 474 ft. 658 ft.	10 7 6 8 9 9

.0	WEST	WEST BOUND.								פועוו	STRICT-ANACORTES T	UR	UCKI	OKI.			EASI	BOUND	•		
TI	HIRD CLASS		SECOND CLASS.		FIRST	CLASS.	No.	CAPAC SIDE T	TY OF		#0 x25 mm55 y2			200.1511			IRST CLA	ss.		THIRD	CLAS
	724	726	400	284	292	290	280	racke	· k	mou	Time Table No. 76.	1	from .	SIGNS. See Rule 7, page 15.	289	279	293	291	283	725	72
	Mdse. Freight	Mdse, Freight	Mixed	Passenger	Passenger	Passenger	Passenger	T gain	of Ton	ance kport		graph	Ance	See Rule 7, page 15.	Passenger	Passenger	Passenger	Passenger	Passenger	Mdse Freight	Mdse. 1
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Pas	Oth	Distar	STATIONS.	12	Dista	1221	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arr
	6.15Am		TO SEC			4.10Pm	6.00Am	42	100		ROCKPORT	RK	53.7	R D YW	s 2.10Pm	. 9 10Pm	0.40475	F 160 1191 1	600	Cat pany	5.
	6.35	FE 3				f 430	f 6.17	22		5.8			47.9	Bardy and	f 1.50	1 8.54				A Page A	4.
	7.05	milt pice	design re	Ar em oli	of marshage	. 444	. 6.26		3	9.1		BA	44.5	D	1.87	8.48	A.I.	Election 1			8.
	8.00	7			-0.5	1 4.50	1 6.89	30	. 6	10.2		3.49	43.5	w	1 1.25	t 8.88	E IP LIVE			Bully to	8.
	8.25		in hoo			. 5.03	6.47	43	-	15.5	BIRDSVIEW		38.2	260 1 2 2555	1.10	8.20			12	tion of the	2.
	8.50	1500	Alban sacht			. 5.18	7.02	38	10	20.6		н	33.1	D W	12.55	8.07	150			S. No.	2.0
	9.25		Wine such	el ken il		. 5.31	. 7.18		25	23.9	LYMAN	MY	29.8	Mich Sill Las	12.40	. 7.55			as The	Land Bears	1.
-13	9.50	TO ME THE				1 5.48	1 7.27	22		29.2			24.5	900 2° 502	1 12.22	1 7.40		Sec. 1	Will Pro-	LOOKELE	12.
	10.20	8.30Am	Stanton College		a sursia	. 6.05	. 725 7.42	35	64	32.4	SEDRO-WOOLLEY	WL	21.3	R D K	12.10m	. 7.81		a boats	AL DENS	280 7.30km	19.8
	and the			SPAN THE	pol mali	1 6.12	1 7.48	16.9	7	34.7			19.0	Lita E. S. Add	1 11.58	1 7.19	HALL	DESTR		S. Wer	(MOT)
	10.45An	8.50 11.15 291	8.85Am	7.15Pm	11 50Am	. 6.25Pm	s 8.00Am	48	225	37.2	BURLINGTON	BU	16.5	R DN COWYX	724 11-50km	7.10m	. 8.00Am	* 11.15/m	6.95Pm	7.10 6.18	12.0
	Sanda LU	11.30	8.43	7.24	11.58	- Truit live	medi Wali		25	40.0			13.7	new 15 oaks	1300	AH THE	. 7.49	. 11.05	6.14	6.00	Ses?
813	1576	11.40	1 8.50	7.88	t 12.06m				7	42.6	FREDONIA		11.1	OF APP TES	18.	Sil and	f 7.41	1 10.58	1 6.06	5.45	halv
V.	Brook 121	11.55	8.57	7.40	12 15	1990 90	Freit I	25		44.1	WHITNEY		9.6				7.85	s 10.53	. 6.00	5.35	Street
				100			200		28	45.3	DRAW BRIDGE	-	7.4	THE REST LABOR	B San	1 1 2 2 X 1	0 9	974B (#)	mo wa	ALC: N	Am.
		12.20m	9.16	1 7.58	1 12.80					49.6		22	4.1	SEP 1- F- 24.8	myle caled	180 242	f 7.21	f 10.87	1 8.46	5.15	KID :
	1000	12.30m	9.80Am	8.10mm	12.40fm				94	53.7	ANACORTES.	AC	12 F	R D T W	Side Sig	1 12	7.10Am	10.25km	5.35Pm	5.00Am	Sapar.
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily					16	125	10.8 4 380	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Lea Da
	724	726	400	284	292	290	280	100			CONTRACTOR OF THE PARTY		A COL		289	279	293	291	283	725	72
1	4.30	4.00	18.2	18.2	19.5	2.15 16.6	2.00 18.6		5/3	15.35	Time Over District Average Speed Per Hour	26	W 7 6	and the same	2.20	2.00	19.5	19.5	19.5	2,30 8.5	5.0

East bound trains are superior to west bound trains of the same class.

No. 724 has right over No. 723, Rockport to Burlington,
Yard limit boards are located at Burlington and Anacortes.
All trains will reduce speed to 8 miles per hour over all draw bridges
Bulletin boards are located at Anacortes, Burlington and Rockport.

IAL STATIONS.
Anacortes for trains Nos. 291, 293, 283 and 725.
Rockport for trains Nos. 280, 290 and 774.
Burlington for trains Nos. 292, 284, 400, 289, 279, 723 and 726.

INITIAL STATIONS.

TERMINAL STATIONS.

Anacortes for trains Nos. 292, 284, 400 and 726.

Rockport for trains Nos. 289, 270 and 723.

Burlington for trains Nos. 289, 290, 293, 291, 283, 724 and 725.

NAMB	LOCATION	OPENS	LENGTH	CAPACITY		
auk Spur	2.0 Miles west of Rockport	West		2		
ower Mill Co	0.3 Miles west of Faber	East		19		
an Horne's Spur	0.5 Miles west of Faber	East	***********	16		
farpst Lumber Co. Spur	0.8 Miles east of Faber	West		23 3		
Vashington Port Cement Co	0.7 Miles east of Concrete	East	Contract Contract	30		
uperior Portland Cement Co. Spur	0.7 Miles west of Concrete	West		28		
urpee Shingle Spur	0.4 Miles west of Grassmere	West		3		
nna Shingla Spur	2.0 Miles west of Grassmere	West		2		
T Community opur	0.0 Miles west of Grassmers	West		The state of the s		
L. Spur.	0.2 Miles west of Hamilton			3		
op Ranch Spur	0.8 Miles east of Lyman	West				
agit Mill Co. Spur	Lyman	West	********	- 22		
tchock-Kelly	0.1 Miles west of Lyman	West		3		
inkler's Mill	3.0 Miles east of Cokedale Jet	Both ends		13		
een Mill Spur	3.3 Miles east of Woolley	Both ends		22		
und Iron Spur	Woolley	West		7		
olbrook's Spur	0.4 Miles west of Woolley	West		8		
rlington Mill Spur	0.6 Miles west of Burlington	West		6		
orth Avon Lumber Co. Spur	0.3 Miles west of Avon	West	********	- 2		
swkin's Spur	0.7 Miles east of Fredonia	East		7		
llahan-Abbott Spur	Fredonia	West		6		
aval Dit Cour		West		0		
avel Pit Spur	1.5 Miles east of Anacortes	Both ends		22		
Rollway	1.0 Miles cast of Anacortes			2		
dalgo Island Shingle Co. Spur	4.6 Miles east of Anacortes	East		2		

SF	COND CLA	55.	CAPAC	TRACKS			100	38	1	Real Division	SECONE	CLASS.
	COND CLA	1	SIDE	TRACKS	Sums	Time Table No. 76.		233	1			
387	397	397	Passing Tracks	Tracks	from 8	In Effect Sept. 24, 1911	Telegraph Calls	from	See	SIGNS. Rule 7, page 15.	398	388
Mixed	Mixed	Mixed	M M		90		The state of	Distance			Mixed	Mixed
Leave Daily Except Sunday	Leave T.je., Thur., Sat.	Leave Mon., Wed., Fri.	1 4	Other	Dista	STATIONS.	T.	OD O			Arrive Daily Except Sunday	Arrive Daily Except Sunda
7.00Am					0.0	SUMAS, WASH	SU	46.5	D	¢ W		s 6.45Pm
					0.0	INTERNATIONAL BOUNDARY		46.5				
7.02	27791920	NO DE LOUIS	30		0.1			46.4		w		s 6.40
7.15	of and	Sand States	42	21	3.6	ABBOTTSFORD	FS	42.9	D	w		s 6.20
7.80	KERNEY I	N. P. L. N.		6	8.1	PINEGROVE		38.4			Design Co	s 5.45
7.55			.69	22	12.7	ALDERGROVE		33.8				s 5.20
8.10			28	200	16.9			29.6	107			. 4.45
8.35			67	20	21.6	LINCOLN		24.9	1	w		4.20
9.00An	4.80Pm	3.45Pm	67	THE ST	29.4	CLOVERDALE	CL.	17.1	R	D Y	s 8.80Am	8.45Pm
The state of	1 4.45	1 4.00	A Service	8	33.4	ALLUVIA	Bar.	13.1			s 8.15	100
	1 4.50	1 4.05		4	34.9		133	11.6			f 8.10	
	4.55	4.10		22-0	35.9			10.6		Y	8.00	22 - 14
1	5.10	4.25	67	62	35.9		a	10.6	R	DN W	. 7.55	her ofte
	5.15	4.80			36.7	QUICHON LINE JCT		9.8		Y	7.45	
	1 5.40	1 4.55		10	42.7	INVERHOLM		3.8			1 7.25	
N. S L. 18	1 5.55	1 8.10	1700	3	45.1			1.4	W 34	Mile East	1 7.10	
	s 6.00Pm	. 5.15Pm	10	10	48.5	GUICHON.		0.0	la	W	7.00Am	TE HIS
Arrive Daily Except Sunday	Arrive Tue., Thur., Sat.	Arrive Mon., Wed., Fri.									Leave Daily Except Sunday	Leave Daily Except Sunda
387	397	397	100				5		100		398	388
2.00	1.30	1.30	100		107	Time Over District Average Speed Per Hour	100		146	BATT THE	1.30	3.00

#### West bound trains are superior to east bound trains of the same class.

The normal position of switches at Colebrook Junction, Guichon Line Junction are for main line.
All trains Fifth District will protect against all Third District trains between Colebrook Jet. and Guichon Line Jet.
INITIAL STATIONS.
Guichon for train No. 398. Sumas for train No. 387. Cloverdale for trains No. 388 and 397.

TERMINAL STATIONS.
Guichon for train No. 397.
Cloverdale for trains No. 387 and 398.
Sumas for train No. 388.
DERAIL SWITCHES

Derail switches must always be set for derail except when in actual use whether there are cars on the tracks or not.

Abbottaford east end of passing track.

INTERLOCKING governing B. C. E. Ry, crossing, Cloverdale, B. C. Distant signal on north side is located 2500 feet from crossing and has one arm showing caution at 45 degrees by day and yellow light by night. Home signal is located 75 feet from crossing and has two arms. Lower arm one indication STOP, upper arm in vertical position means proceed, and in horizontal position means STOP, by day, with green and red light by night. Home signal on nouth side is located 15 feet from crossing and distant signal 1500 feet from crossing. Derails are placed five feet inside cach home signal. Normal position of signals will be clear for our line.

#### Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	CAPACITY
Guichon Slip Spur	0.1 Miles east of Guichon	East West	3
Guichon Slip SpurGowdy Road Spur	2.9 Miles east of Guichon	West	1
Patterson's Spur	5.7 Miles east of Guichon	West	9
Smith Road Spur	5.8 Miles east of Guichon	West	2
Matthew Road Spur	6.8 Miles east of Guichon	West	5
Colebrook Road Spur	3.3 Miles west of Cloverdale	West	9
Gravel Pit Spur	1.1 Miles west of Cloverdale	West	3
Surry Spur Fernridge Lbr. Co. Spur	1.4 Miles cast of Lincoln	West	15
Lincoln Lbr. Co. Spur	1.0 Mile east of Lincoln	West	30
	1.0 Mile west of Otter	East	
Otter Shingle Co. Spur	at Otter	East East	15
Aldergrove Lbr. Co. Spur	at Aldergrove	East	20
Fish Trap Pit	1.5 Miles west of Pinegrove	Both	10
Pinegrove Lbr. Co. Spur	8 Mile east of Lincoln	West	10

### SOUTH BOUND.

# SIXTH DISTRICT-FRASER RIVER JCT. TO CLOVERDALE.

	HORIN	BOURD.
	SECTION AND DESCRIPTION OF THE PROPERTY.	
and the same of th		

NAPTH PALINA

	SECOND	CLASS.						50.2		STATE OF ALL	STOPPERSON	SECONE	CLASS.	month of
387	397	397	385	city of lings	Car Capacity of Passing Tracks	Distance from Fraser River Jet.	Time Table No. 76.	ph Calls	from	SIGNS See Rule 7, page 15.	396	384	398	386
Mixed	Mixed	Mixed	Mixed	Capacity er Sidings	Capa	Ance Ser R		1 5	Distance Hazelmer		Mixed	Mixed	Mixed	Mixed
Leave Tue., Thur., Sat.	Leave Tue Thur, Sat	Leave Mon., Wed., Fri.	Leave Daily Except Sunday	14	200	Pra	STATIONS.	Tele	Hay		Arrive Tue.,Thur.,Sat	Arrive Tue., Thur., Sat.	Arrive Daily Except Sunday	Arrive Daily Except Sunday
	2.47Pm	2.47Pm	1.10Pm	357		0.0	FRASER RIVER ICT		20.3				s 10.35Am	s 11.05Am
	2.53	2.53	1.15	1		1.0	LIVERPOOL.,,		19.3	ETHERNIC STUDIES	75-10	And and the	10.30	s 10.55
			7	12/1-		3.3	BON ACCORD		17.0	W 2 Miles South	152200	285 6495		
The same	1 3.20	1 3.20	s 2.00		17	9.0	PORT KELLS	17110	11.3				1 10.05	s 10.30
8.40Am	. 3.35	1 3.35Pm	s 2.45Pm	67		15.2	: CLOVERDALE	CL.	5.1	R D	9.20Am	s 4.20Pm	9 45km	9.55Am
8.55Am	s 4.00Pm			7.634		20,8	HAZELMERE		0,0		9.05An	4.05Pm	Man Committee	First Wall
Arrive Tue.,Thur., Sat.	Arrive Tue., Thur., Sat.	Arrive Mon., Wed., Fri.	Arrive Daily Except Sunday	331		1	Yalania o 17 P	1	4.500	Seastify digester	Leave Tue ,Thur , Sat.	Leave Tue., Thur., Sat.	Leave Daily Except Sunday	Leave Daily Except Sunda
387	397	397	385					7219	Ban in	S 10 (10 (10 (10 (10 (10 (10 (10 (10 (10	396	384	398	386
20 0	1 .13 16.3	18.5	1,35	Re-di	maile	1000	Time Over District Average Speed Per Hour	4315	530.0	Could over the	20,0	20.0	19.0	1.10

## Special Rules.

South bound trains are superior to north bound trains of the same class. Initial Stations.

Fraser River Jet. for trains Nos. 385 and 397. Cloverdale for trains Nos. 386, 387 and 398. Hazelmere for trains Nos. 384 and 396.

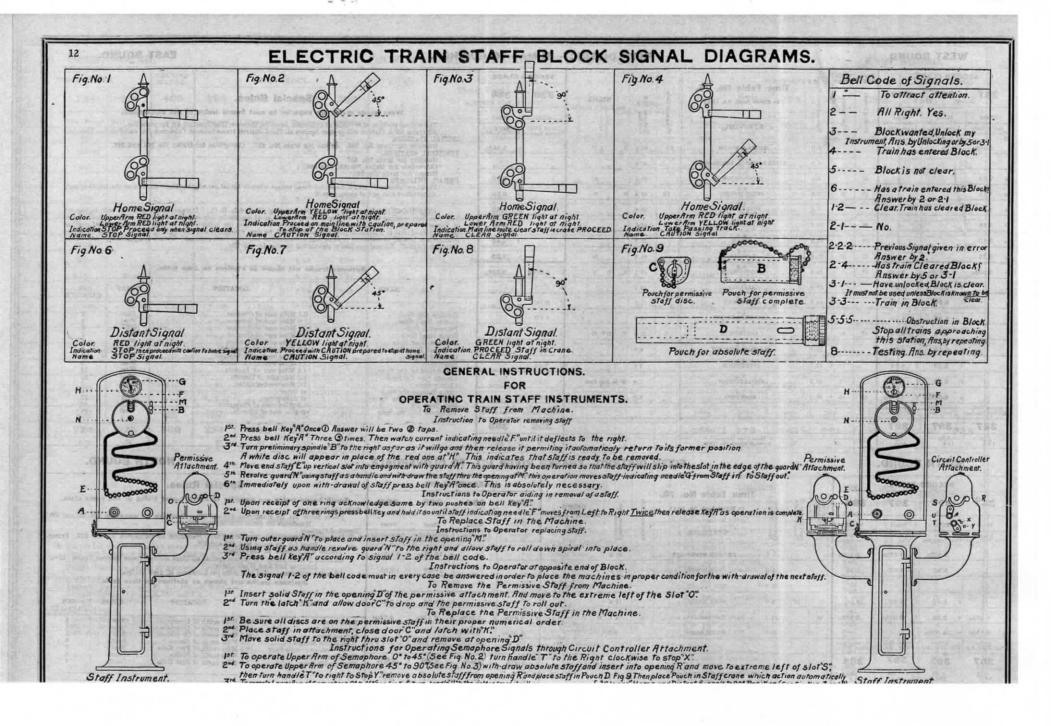
Terminal Stations:

minia otations: Cloverdale for trains Nos. 385, 396 and 397. Hazelmere for trains Nos. 387 and 397. Fraser River Jct. for trains Nos. 386 and 398. Trains will register at Cloverdale.

All Sixth District trains will protect against all Third District trains between Fraser River Junction and New Westminster.

All trains will reduce speed to 8 miles per hour over all draw bridges.

NAME	LOCATION	OPENS	CAPACITY
Davis Spur Brownsville Spur McNair Spur Washington Shingle Co Great Western Shingle Spur Hazelmere Spur Flummerfelt Spur	0.5 Miles south of Liverpool	North South South South North South South	4 15 2 8 7 4



Electric Train Staff Block Signal System in operation between Leavenworth and Skykomish.

The use of the divided staff through Cascade Tunnel and all rules and instructions pertaining thereto will continue in effect.

All rules relating to the protection of trains are in force and are only modified by the General Instructtions herein.

- All trains and engines in both directions will be governed exclusively in their movements by the train staff.
- Home and Distant semaphores are located at each block station. Home signals are located at the passing track switches. Distant Signals are located about 4000 feet from home signals. The signal indications are illustrated by figures Nos. 1, 2, 3, 4, 6, 7, 8 and the meaning of the positions of the signal arms and lights is explained under the diagrams. In all cases the block signals are located upon the right of and adjoining the track upon which trains are governed by them. The semaphore arms that govern are displayed to the right of the signal mast as seen from an approaching train.
- The possession of the staff by the Engineer gives his train the absolute right of track to the next block.

ENGINEERS MUST KNOW THAT THE STAFF IS IN THE POUCH BEFORE PROCEEDING.

- The staff will be handled by the Engineer of the leading engine of the train; and the staff must be in the actual possession of the Engineer before he 11. moves his train into a block, and such engine must not be uncoupled from the train except at a block station. The Conductor will receive a "proceed" signal from Block Operator to indicate that staff has been delivered to Engineer. (See Rule 29).
- In the case of an engine pushing a train, it must be considered as part of that train through to the next block station, and may be uncoupled only at a block station. Such engine, if then uncoupled, must be treated as a separate train.
- When a staff has been secured by the Engineer, he will announce the fact by sounding one short, one long and one short blast of the whistle, thus (o-o).
- An absolute staff permits but one train at a time to use a block. See D figure No. 9.
- 6-A. A permission staff disc, permits two or more trains in the same direction at one time to use a block on ascending grade only. Each train must be in possession of a permissive staff disc before proceeding. See C, Fig. No. 9.
- 6-B. Permissive staff complete permits but one train at a time to use a block. See B, Fig. No. 9 and Rule
- The delivery of the staff to the Enginemen will be either by staff crane, hand of Block Operator, or the Conductor or head Brakeman of his own train and the Engineer must not accept delivery of a staff from any other person. Block Operators will not deliver staff to any other than one of these employes.

Block Station by dropping same at a designated spot, or, in case of taking siding, and it cannot be personally delivered by Engineer, it will immediately be sent to Block Operator by head Brakeman or

UNDER NO CIRCUMSTANCES WILL A STAFF BE TRANSFERRED FROM ONE TRAIN TO ANOTHER. IT IS THE DUTY OF THE BLOCK OPERATOR TO SEE THAT ALL OF THE TRAIN CLEARS THE BLOCK BEFORE IN-SERTING STAFF INTO INSTRUMENT.

- In case a train parts, or it is necessary to "double." the staff must be retained by the Engineer until all the train is clear of the block. A train is clear of a 16. block when it has passed the home signal. A train proceeding on main track enters a block at the block office. It may occupy the main track inside of home signals in either direction to do station work or to allow another train to enter the sidetrack, but must not proceed until in possession of a staff, as per Rule No. 3.
- 9-A. A train making switching movements may use the main track to, but not beyond the distant signal, when protected as per Rule 99. Superior class trains must not be delayed.
- Enginemen and Trainmen will carefully note the 18. position of all signals and be governed accordingly in the movement and protection of their trains. 19. See Figs. Nos. 1, 2, 3, 4, 6, 7, 8.
- Conductors and Engineers, before leaving initial points, must secure clearance card, Form 219.
- Block Operators, unless otherwise instructed by Train Dispatcher, will staff the train of superior time 20. table rights and side track the inferior train when a meeting point developes at their station.
- When it is desired to reverse the right of track. trains will be moved by Train Dispatcher's orders on 21. Form 19, issued to Block Operators giving instructions to staff the train that is to receive preferred attention, and side track the superior train.
- existence of the train, will occupy the block after receiving the absolute staff until same is surrendered at a block station at either end of the block. They will be given a time by the Train Dispatcher when delivery shall be made, and unless otherwise instruced, they shall clear the block and deliver the staff to the Block Operator so that regular and extra trains will not be delayed. Train Dispatcher may authorize the delivery of a permissive disc in the prescribed direction to enable work train to work under protection of flag until following train approaches.
- In case of failure of staff apparatus, all concerned must be notified and trains will be moved by train orders until it has been repaired. In such event, the train order takes the place of the staff, though only one block on each train order and this order must be given jointly to the Conductor and Engineer of the train and the Block Operator at both ends of the block.

- Staff will be deliverd by Engineer on arrival at 15-A. In the event of staff apparatus and other means of communication becoming out of order due to the breakage of line wires or other causes, trains will move in accordance with general rules and time table rights, obtaining at each block office, block card, Form No. 2615 signed by Block Operator.
  - 15-B. When a staff apparatus has been repaired it will not be put into use until authorized by Train Dispatcher.
  - 15-C. Before issuing train orders, superseding staff system, the Train Dispatcher must know that block is clear and the Block Operator and Train Dispatcher must know that the full number of staffs are in the two instruments of this block.
  - In case a staff should be lost, the staff instruments in this block are inoperative and trains must be 24. moved only by the authority of Train Dispatcher, who will then issue train orders. The staff can only be replaced by Signal Repairman who has charge of the staffs not in use. No extra staffs will be allowed in the possession of any other employe.
  - Should a train pass a block station without markers, the Block Operator must notify the Train Dispatcher and the next block station in each direction and must not report that train clear of the block until he has ascertained that the train is complete.
  - A record of all trains must be kept at each block station on Form No. 290.
  - In case of unexpected delay to a train to which a staff has been delivered, same can be recalled by Block Operator and return of staff to the instrument will cancell the authority given to such train to proceed. The train then has no right to main track until given another staff.
  - Block Operators must not deliver a staff received 27. from one train to another train. It must be placed in the instrument and another withdrawn in accordance with the rules.
  - BLOCK OPERATORS WILL HANDLE THE STAFF MACHINES IN ACCORDANCE WITH THE RULES AND GENERAL INSTRUCTIONS FOR OPERATING STAFF INSTRUMENTS.
- Work trains, after receiving orders authorizing the 21-A. When two or more trains bound in opposite directions are at a block station, Block Operator must 30. exercise great care in delivery of staffs and must know that the staff is delivered to the train for which it was withdrawn.
  - Absolute staffs (See D, Fig. No. 9) must be used for all trains on decending grades, or eastbound from Cascade Tunnel to Leavenworth, and westbound from Tye to Skykomish.
  - 22-A. Permissive staff discs (See C, Fig. No. 9) may be used on ascending grades, or westbound from Leavenworth to Cascade Tunnel, and eastbound from Skykomish to Tye, for all trains except as per rule 22-B.
  - 22-B. Permissive staff discs must not be given to Engineers with light engines or light tonnage trains to 35. follow a passenger train.
  - 22-C. Trains moving under authority of a permissive staff disc must protect against following trains as per Rule No. 99.

- 22-D. When two or more trains use permissive staff discs the last train will be given the permissive staff (See B, Fig. No. 9) with all the remaining discs and this confers the same rights as a single permissive staff disc.
- 22-E. The Block Operator receiving the permissive staff must at once assemble on it in numerical order all the permissive discs received from preceding trains and place the complete permissive staff in the permissive attachment.
- The first train in the opposite direction (descending the grade) must be given the complete permissive staff, which confers the same rights as an absolute
- When no train movement is imminent, home signals must be kept in stop position.
- Block Operators must not make nor permit any unauthorized alterations or additions to the apparatus. If alterations or additions are made, the work will be done under the direction of the Signal Super-
- If any electrical or mechanical appliance fails to work properly, the Signal Repairman and Train Dispatcher must be notified and only duly authorized persons permitted to make repairs.
- Block Operators must have the proper appliances for hand signaling (a yellow flag by day and a yellow light by night) ready for immediate use. Hand signals must not be used when the proper indications can be displayed by the fixed signals. When hand signals are necessary, they must be given from such a point and in such a way that there can be no misunderstanding on the part of Enginemen or Trainmen as to the signals or as to the train for which they are given.
- Block Operators are responsible for the care of the block station, lamps and supplies and of the signal apparatus unless provided for otherwise.
- Lights in block stations must be so placed that they cannot be seen from approaching trains.
- Block Operators will remain in view until the rear of a train has passed and will give a "proceed" signal to the Conductor on rear of train to indicate that a staff has been delivered to Engineer.
- The Engineer of a train which has parted must sound the whistle signal for "train parted" on approaching a block station.
- An Engineer receiving a "train parted" signal must answer by two short blasts of the whistle.
- When a parted train has been recoupled the Block Operator must be notified.
- If the track is obstructed between block stations notice must be given to the nearest Block Operator.
- If a train is held by a block signal to exceed two minutes, the Conductor must ascertain the cause.
- 34-A. The Conductor must report to the Superintendent any unusual detention at block stations.
- Special attention of all concerned is directed to meaning of caution signal as shown by Fig. No. 2.
- Staff instruments must be kept locked. Keys will be furnished to the signal repairman but to no other

# AUTOMATIC BLOCK, INTERLOCKING SIGNALS AND SEMAPHORES.

#### AUTOMATIC BLOCK SYSTEM.

Automatic Block Signals are in operation between King Street Station Scattle and the Interlocking Plant at the North Portal of Scattle Tunnel, also between Metum and Everett Junction

- The Controlled Manual Block Signal System is in operation between the Interiocking Plant of the North Portal of Seattle Tunnel and Meturn.

  1. In all cases the North Cook and Interiocking Signals are located upon the Right of and adjoining the freek upon which traits are governed by 17thm. The Semaphere arms that govern are displayed to the Right of the Signal most as Sean from an opprove the season.
- 2. The movement of trains will be regulated by Block Signal Indications as follows; A. An Armin the horizontal position(see Fig. No. 6) indicates that the Block is not clear and is a signal to "STOP."
- B. An Arm in the inclined position 45 degrees above the horizontal see Fig No 7 indicates proceed with Caution prepared to stop at the next Signal.
- An Arm in the vertical position 90 degrees above the horizontal see Fig. No 8 indicates that Block is "CLEAR" and is a Signal to "PROCEED."
- D. At night the Position of the Signals will in addition be shown by the Standard Colored Lights.

RED indicates STOP HED Indicates CAUTION! proceed with caution prepared to Stop of next Signal GREEN indicates PROCEED."

3. Track Circuits are used to Control Automatic and Semi-Automatic Block Signals and include all turn outs up to the fouring points.

4. Block Signals do not dispense with the Use or Observance of other Signals when-

ever or whereverthey maybe required Nor do they relieve Enginemen and Train-men from Jaking all precautions required by train rules for the protection of their

The Block Signals apply only to trains running in the established direction

When a train's stopped by a Block Signal it may proceed with caution after coming to a TULL STOP, expecting to find Block dostructed.

The train stopped by a Block Signal must strange facing the Signal so that it's indicetion may be observed from the engine.

8. Switches in maintracts and switches of Cross-overs to main track Set-

Signals to Stop when moved from their normal positions.

Mous line Semaphore Interlacking signals located within the Automatic Black
Signal limits are made Sami Automatic and part of the Black Signal System.

10. Cars and Engines an Sidings must stand clear of bonded Rails and insulated Joints.

11. In making train Movements through Cross-over Switches between main Tracks one of the Switches must be kept open until the train movement is completed.

When a Signal is found at Stop from any cause other than a train in the Block Engineman will reports amo, using Form 2600, and Operator will transmit in ac cordance with instructions Thereon.

All Automatic Block Signals are designated by numbers Signals governing Edst bound Trains have even numbers. Signals governing West bound Trains have odd numbers.

14. Home Interlocking Signals are equipped with two arms and two lights (see Figure Nos. 1, 2, 3, 4, and 5). These Signals are not permissive and may be passed only when signal indicates. "PROCEED," or upon PrescribedHand Signal from Signalman Rule governing reads as follows.

When from any cause signals cannot be operated, signalman musteramine, without and knowthat the way is clear. The train must be required to come to a full slop before the prescribed hand signal is given Signalman giving hand signals must be sefont the center of the track upon which the train movement is to be made, using a yellowflag by day and a yellowlight by aight. When more than one train is a night, hand signals must be given from a paint not to exceed one hundred feet in a dva me of the locamotire.

15. Dwarf Signals (see Figs. Nos. 1, 9 and 10) are provided to govern frain move-ments against the current of traffic and slow movements either to or from main tracks to storage and industry Tracks.

16. Single Arm and Single light Semaphore will be continued for Train Order

17. A signal imperfectly displayed the absence of a sign of at place where one is useful shown, or a while signal at a place where a colored signal should be shown must be regarded as a \$10P Signal, and the fact reported to the Superintendent.

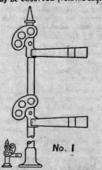
18. Firemen as well as Enginemen must watch signals closely, as frequently the first view can be had from the Fireman's side,

# Interlocking Signals.

Within the limits of the Automatic Block Signal System Interlocking Plants are located as follows.

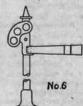
> South Portal of Seattle Tunnel. North Everett Junction.

On the Single track between G.N. Docks and Metum an Interlocking Plant is in use at the Salmon Bay Draw Bridge Interlocking Plants are under construction at the N.P. Crossing located at the west end of the Yard at Interbay, and at the Crossing of the S.E.I. located in 15th Ave. Ballard. Due notice will be given when these Plants are placed in operation.

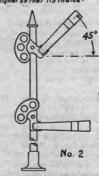


INTERLOCKING HOME SIGNAL. Upper Arm. RED light at night. Lower Arm RED light at night STOP. Proceed only when Signal clears or upon prescribed hand sig-nal from Signalman. Color

Name STOP Signal



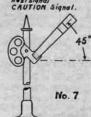
AUTOMATIC BLOCK SIGNAL RED light at night



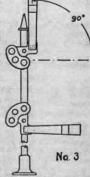
INTERLOCKING HOME SIGNAL Upper Arm YELLOW light at Color

Lower Arm RED light at night. Main line route clear, proceed with CAUTION, prepared to stop at next sidnal

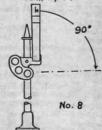
Name



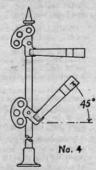
AUTOMATIC BLOCK SIGNAL Color. YELLOW light at night.
Indication. PROCEED with CAUTION. pre



INTERLOCKING HOME SIGNAL. UpperArm, GREEN light at night LowerArm RED light at night. Main line roste clear, PROCEED CLEAR Signal. Indication.



AUTOMATIC BLOCK SIGNAL. Color GREEN light at night



INTERLOCKING HOME SIGNAL.

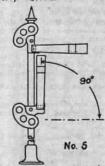
Upper Arm RED light at night Lower Arm. YELLOW light at

Diverging route clear proceed with Indication.



DWARF SIGNAL Color RED light at night STOP Indication

STOPSignal



INTERLOCKING HOME SIGNAL

Upper Arm. RED light at night LowerArm, GREEN light at night Diverging route Clear, proceed at reduced speed.

CLEARSignal. Name



DWARF SIGNAL. GREEN light at night Color Indication PROCEED CLEAR Signal

Freight
20 miles per hour.
15 miles per hour.
20 miles per hour.
25 miles per hour.
15 miles per hour.

25 miles per hour. 25 miles per hour. 25 miles per hour. 20 miles per hour. 15 miles per hour. 15 miles per hour.

15 miles per hour. 15 miles per hour. 20 miles per hour. 15 miles per hour.

STATIONS	Ruling Grade	Cla	us M2-	-1950-1	990	CI	ne Li-	1900-19	921	Cla	uss L2-	1800-1	844	cı	F6- F7- F8- F9-	-1095-1 -1100-1 -1110-1 -1130-1 -1140-1 -1300-1 -800-	109 129 139 199 324	C	lace G	2-700-7 3-720-7	19	C	lass Fi	1-500-5 5-450-4	35 76	. с	lase D2	-300-3	59	c	lass D	4-400-4	26	c	lass Bé	1-232-238
	1	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
Everett to Skykomish	1.0	1700		****		1600				1400				1200				1000				775				575				715				385	I	
Skykomish to Cascade Tunnel	2.2	850				800				700				600		****		480				360				276				340				183		
Cascade Tunnel to Leavenworth .	Down	1900	11111			1800				1800				1500				1250				900														
Leavenworth to Cascade Tunnel .	2.2	850				800				700				600				480				360				275				340				185		
Seattle to Delta	0.5												****	2100				1750				1350				1050										
Delta to Seattle	0.4													2500				2100				1460				1120										
Cascade Tunnel to Lowell	Down	1900				1800				1800				1500				1250				900														
Silvana to Delta	0.5												Paren	1800		100			200	10.02	17.11.0	1000	516.34	ota mi		875										
Delta to Silvana	0.4	****	****					2000	****					2500				1800				1460				1120	10000									
Bellingham to Silvana	0.5													2100				1800				1350				1050			FIFT							
Silvana to Bellingham	0.5													2100				2100				1350				1050										
Bellingham to New Westminster .	1.1												****	1080				900			****	700				515					7		100		111	
New Westminster to Bellingham .	1.5													800				675				600				485										

WEATHER RATING 2—Very frosty or wet. 5 to 25 above zero or over 3—Five degrees above to 10 below zero. 4—Ten below zero and colder.

Chief Train Dispatcher may increase or decrease above rating as it may be found necessary.

# Weight of Empty Cars and Dead Engines and Tenders will be estimated as follows, when not marked:

and be estimated as follows, when not made	Nou.
Box Cars, 28 to 30 foot	
Box Cars, 33 foot	12 Tons
Box Cars, 34 foot	13 Tone
Box Cars, 36 foot	15 Tons
Box Cars, 40 foot	17 Tons
Refrigerator Cars	20 Tons
Furniture Cars, 30 to 40 foot	17 Tons
Furniture Cars, 40 to 50 foot	19 Tone
Cabooses, 8 wheel	17 Tons
Cabooses, 4 wheel	10 Tons
Flat Cars, 28 to 30 foot	9 Tons
Flat Cars, 33 and 34 foot	11 Tons
Flat Cars, 40 foot	12 Tons
Coal Cars	12 Tons
Gondola Cars	13 Tons
Ore Cars, Wood	12 Tons
Ore Cars, Steel	
Oil Tanks	
Ballast Cars	12 Tons
Steam Wreckers	75 Tons
Engine Tank (Empty)	30 Tons
Mail Cars	25 Tons
Baggage Cars	
Coaches, 8 wheel	
Coaches, 12 wheei	25 Tone
Dining Cars and Tourist Cars	40 Tone
Sleeping Cars, Parlor Cars and Observation Cars	40 Tons
Citerbing canal warm care and Order tarion Care	An Tom

#### Weight of Dead Engines.

Engines	numbered	below :	200 ser	ics				80	Ton
Engines	numbered	in 200	series .					90	Ton
Engines	numbered	in 300	series.					86	Ton
Engines	numbered	in 400	series .				1	10	Ton
Engines	numbered	in 500	series .				. 1	15	Ton
Engines	numbered	in 600	series.					20	Ton
	numbered								
Engines	numbered	in 800	series .		A SOURCE		1	55	Ton
Engines	numbered	in 900	series (	except	992 to	997).	1	15	Ton
Engines	numbered	992 to	997					95	Ton
Engines	numbered	1000 to	1007.				1	31	Ton
Engines	numbered	1050 to	1069.				1	44	Ton
Engines	numbered	1079 to	1095.				1	58	Ton
Engines	numbered	in 1100	and 1	200 seri	es		1	60	Ton
Engines	numbered	in 1300	eries				1	60	Ton
Engines	numbered	1400 to	1405.				1	73	Ton
Engines	numbered	1406 to	1425.				1	88	Ton
Engines	numbered	in 1500	and 1	600 seri	es		1	79	Ton
Engines :	numbered	in 1700	series.				1	80	Ton
Engines :	numbered	in 1800	series				2	19	Ton
Engines	numbered	in 1900	series				2	52	Ton
100								53	066

The following will govern when handling empty cars: With 10 or less empty cars in a train no allowance will be made for wheel friction; with 10 to 20 empty cars in a train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 6 tons per car for wheel friction.

#### Speed Limits for Trains

Between	Passenger		
Leavenworth and Skykomish			
Through Cascade Tunnel	20 miles per hour.		
Skykomish and Gold Bar	40 miles per hour.		
Gold Bar and Pacific Avenue	50 miles per hour.		
Cherry Valley Line			
Everett Jet. and Seattle	50 miles per hour.		
Delta Wye and Samish	oo miles per hour.		
Samish and Bellingham	50 miles per hour.		
Bellingham and Still Creek	40 miles per hour.		
Still Creek and Vancouver			
Skagit Branch. Fraser River Jet. to Cloverdale			
Culable at the Clause of Convertage			
Guichon to Cloverdale			
Cloverdale to Sumas			
Cloverdale to Hazelmere	20 miles per hour.		
L-1, L-2 and M-2 engines will not exceed spe	ed of 25 miles per hour.		
F-7. 8 and 9 engines will not exceed speed of	20 miles nee hour		

#### Speed Table.

50 miles per hour is equivalent to one mile in 1 minute and 12 seconds.
45 miles per hour is equivalent to one mile in 1 minute and 20 seconds.
40 miles per hour is equivalent to one mile in 1 minute and 30 seconds.
35 miles per hour is equivalent to one mile in 1 minute and 43 seconds.
30 miles per hour is equivalent to one mile in 2 minutes and 0 seconds.
25 miles per hour is equivalent to one mile in 2 minutes and 0 seconds.
20 miles per hour is equivalent to one mile in 2 minutes and 24 seconds.
15 miles per hour is equivalent to one mile in 4 minutes and 0 seconds.

## SPECIAL RULES.

1. Freight trains will not carry passengers.

Horizontal position of the semaphore blades by day and yellow light shown by night indicates that switches with which the distant signals are connected are open and approaching trains should immediately be brought 3. Diagonal position of the blades and green lights displayed at night indicate that swit hes with which t distant signals are connected are properly set and train should proceed as per rule.

#### REFERENCE MARKS.

4. In addition to signs provided for in rule 7, Book of Rules, the following signs in column headed "Signs"

D Day telegraph or telephone office.N Night telegraph or telephone office.

Day and night telegraph or telephone office. DN Dispatcher's telephone accessible at all times.

Interlocked.

Connection with foreign road.

Standard clock.

#### PERSONAL INJURIES.

Whenever passengers or employes are injured, everything must be done to care for them properly. If they are able to be moved, take them for treatment to the nearest place at which the Company has a surgeon. If they cannot be moved, call the nearest Company surgeon. If the case is urgent and the Company surgeon cannot be immediately procured, the conductor, agent or officer in charge is authorized to call the nearest surgeon available to administer first aid and care for the patient until the Company surgeon can take charge

No surgical operation must be performed until the arrival of the Company surgeon, unless it may be required for the immediate safety of the patient.

In cases of serious accidents to trains, conductors, after making everything safe, must give their undivided attention to the care and comfort of their passengers, especially to those who are injured. Bedding and linen may be taken from sleepers for this purpose, the conductor keeping careful account of all material so taken, and its return or safe keeping attended to; and, when necessary, injured persons may be put in the

When a number of persons are injured, the service of competent surgeons in the vicinity should at once be secured, and every possible effort made to care for the injured, the Division Surgeon being notified by wire

to come immediately to the place of the accident.

When tramps, boys and other persons, climbing on or jumping from moving trains, or persons walking or lying on the track, are injured or killed, they should be sent to their homes or placed in charge of the local county, city or village authorities, and no expense incurred on the part of the Company in the matter.

When people are killed away from a station the body should be picked up and taken to the nearest station and the authorities notified. Never take a body out of the county where the accident happened if it can be avoided, but if there is no station in that county take it to the nearest station in the next county, notifying the county authorities in all cases.

5. A report of all accidents must be made, and immediately sent by wire to Superintendent, giving all informa-

In reporting accidents to trains carrying passengers, conductors should give the correct names of the ir jured and uninjured, the addresses and destinations of all persons on the train, and of the injured, and the extent of their injuries. This report must be sent from first telegraph office to the General Claim Agent an to the Assistant Claim Agent in whose jurisdiction the accident occurs.

As soon as possible thereafter Form 245 should be made out by each employe and forwarded to the Super

intendent of the Division; a separate report being made for each person injured.

6. Every effort must be made to procure the names and addresses of all persons, outsiders as well as employes who witnessed the accident, especially when persons are injured within the corporate limits of any city, tow. or village, or when crossing the tracks at a public highway.

7. In every case of personal injury in any Department, a full and complete report must be made at once by every employe immediately present, no matter whether he considers his statement of importance or not answering every question as fully as possible.

8. When persons are injured by an accident which may have been caused by defective appliances, tools o machinery, the car or appliance, tool or machinery must be immediately examined by the person in charge to ascertain its condition, and report made of the inspection, giving the numbers and initials of cars examined with names, occupation and address of the persons making the inspection. This inspection must be made before the car or engine leaves the place where the accident occurred, and afterwards at the first district ter minal by the inspector, foreman, or Master Mechanic at such point, the Superintendent to notify such persor of the necessity of making such examination. When an accident is caused by the breaking of machinery tools, appliances or rails, the broken parts must be so marked as to be readily identified, and immediately turned over to the Superintendent.

9. This Company will not recognize any responsibility for board, medicine, nursing or surgical attention furnished by other than Company Surgeons, except for the emergency service required under Rules 1 and 2, unless authorized by the Superintendent, General Claim Agent, or a general officer of the Company, and when

so authorized the General Claim Agent should at once be notified.

#### COMPANY SURGEONS.

PPS

Dr. J. A. Quinn, Chief Surgeon, Ernst Building, Cor. 5th and Wabasha, St. Paul.
Dr. J. W. Chamberlin, Ophthalmic Surgeon, Lowry Building, St. Paul.
LeavenworthDR. G. W. HOXSEY.
Skykomish
Monroe DR. H. K. STOCKWELL.
EverettDR. P. M. WALKER & W. O. COP
Interbay
Seattle
Seattle

Tacoma	DR. JAMES A. LA GASA.
Burlington	DR. H. E. CLEVELAND.
Bellingham	DR. W. A. KIRKPATRICK.
Blaine	DR. A. S. REEDY.
New Westminster	DR. GEO. E. DREW.
Vancouver	DR. A. S. MONRO.
Anacortes	DR. GEO. B. SMITH.
Woolley	DR. M. B. MATTICE.

## TIME INSPECTORS.

Leavenworth	F. E. CARLQUIST.
Seattle	J. F. HUNTER.
Burlington	J. H. CROSSBY.
Everett	R. G. COLVIN & CO.

Bellingham	BEHRENS & SON.
Vancouver, B. C	
Centralia, Wash	BEN SALICK.
Portland, Ore	

E. O. WADHAMS, Dispatcher G. E. WELLEIN, Dispatcher, C. O. JOHNSON, Dispatcher. F. J. ROE, Dispatcher. T. H. REED, Dispatcher.

C. E. LAMKIN, Dispatcher. H. L. CAULKINS, Dispatcher D. MOORE, Ass't. Chief Dispatcher. G. R. MILLER. Chief Dispatcher.

S. CORRIGAN, Train Master. W. H. BROKAW, Train Master J. C. DEVERY, Assistant Superintendent.

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