GREAT NORTHERN RAILWAY



USION. CASCA



TIME THE No. 23



TO TAKE EFFECT AT

E (12:01) O'CLOCK A. M.

SUNDA

WY 11, 1920.

Superseding

ents thereto.

THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY.

C. McDONOUGH, SuperIntendent.

J. M. DOYLE, Asst. General Superintendent.

A. L. BERGFELD, General Supt. of Transportation.

F. S. ELLIOTT, General Superintendent.

J. H. O'NEILL, General Manager.

2	WESTW	-					FIRS	יטו	21	KICI		EAVENWORTH TO EVE	RET	וניז	UNCTION.				EA	STWARD).
SI	COND CLAS	is		FI	RST CLASS			Capa of S Tra-	dity			Time Table No. 23		4				FIRST CL	ASS		
		401	1	297	285	3	27	Tre	iki	14		In Effect July 44; 1920	P Call	from	SIGNS	28	4	300 (N. P. 442)	286	2	
		Fast Freight	Pamenger	N. P. 441 Passenger	Passenger	Passenger	Fast Mail	Presion	Trans	Distance		STATIONS	Telegraph	Distance	See Rule 2, Page 18.	Express	Passenger	Passenger	Passenger	Passenger	
		Dally	Daily	Daily	Daily Ex. Sunday	Dally	Delly	AF	46	27	L	STATIONS	12	20		Daily	Daily	Daily	Daily Ex. Sunday	Daily	
		L 9.00km	L 2.00m			L 2.45m	L 2.30Am	60	492	0.0		LEAVENWORTH	СН	109.5	Re DN WCTYOP	A # 6.00Am	4 : 2.45hm			A . 1.20m	
		9-20	2-10			2-55	2.38	76		3.1		TUMWATER		106.3	DN P	5.48	2.30			1.09	
		9.40	2.20			3.04	2.44	78		6.8		DRURY	DY	103.2	DN P	5.40	2.20			1.00	
		10.15	1 2.30			f 3.15	2 5 2	e82 w82	21	10.6	1	CHIWAUKUM	CY	99.0	DN W P	5.30	1 2.10			12.50	
		10.30	1 2.37			3.25	2.58	76	10	13.0	E.	winton	wı	96.5	DN P	5.23	1 2.04			12.44	
		10.45	1 2.46			3.34	3.05	77	•	17.8	SYST	NASON CREEK	NC	92.0	DN P	5.15	1 1.65			12.32	
		10.55	. 253			. 3.44	3.11	e79 w76		20.4	K	3.0		89.0	DN W Y P	5.09	1 148			12.32	
		11.40	3.10			3.59	3.25	80		24.9	1 03	QAÝNOR	GR	84.6	DN P	4.54	1.39				
		12.10m	3.19			4.08	3.33	e77		28.0	APP	BERNE	BR	81.8	DN W P	4.45	1.31			1216	
		1.20	• 3.35			. 4.32	. 350	*93	88	82.1	N	CASCADÍ TUNNEL	CN	77.2	DN WCT P	• 432	· 1.20			12.074s	
		1.40	. 3.47			. 445	4 4 02	85	200	86.9	- Z		WN	73.6	DN WC P	• 4.02				•11.55	
		2.00	1 3.57			4.55	4.10	68	21	10.1	2	3.6 BMBRO	-	70.0	DN W P		• 1.03			•11-38	
		2.15	4.08			8.03	4.17	76	_	0.1	E	COREA	_	_		3.45	112.50			11.19	
		2.40	• 4.15			1 5.12	4.25	76	_	45.3	=	scenic	CO	67.3	- DN P	3.35	1240			11.08	
		2.55	1 4.24			1 522		79			-	ALPINE	MA	64.3	DN W P	• 3.25	•12-30			•10.55	
		310	F 4.33				4.33	1	_	48.1	-	ALPINE	NI	61.2	DN W P	3.10	(12.15			10.40	
	-	3:38	* 488			6.31 • 8.50	4.41	76	_	81.8	-	SKYKOMISH	<u>a</u>	57.7	DN P	2.55	11203hm			10.28	
					L 6.50km		• 4.55	-	178	87.0	- -		-KY	52.5	Re DN WC Y P	• 2:38	-11:48		• 7.50hn	18:98	
_	-	4.05	5.00		1 7.00	6.59	5.02	76	_	61.1	-	ar6.1		48.4	P	2.17	11.32		1 7.38	9.55	
	-	4.20	5.10		• 7.12	608	5.10	86	_	66.1	-	HALFORD	84	43.4	D W P	2.08	11.24		• 7.25	945	
_	-	4.40	• 521	-	• 7.24	6.18	5.19	74	17	71.3		INDEX	NX	38.3	DN P	1.55	*11.10		• 7.10	9.33	
	-	5.00	5.31		1 7.35	6.27	5.27	82	16	76.1	-	INDEX		32.2	W _ P	1.44	10.54		1 6 5 6	9.21	
	-	5-201- 6-4-8286	5.40		* 7.44	6.35	5-35	100	815	80.0		OOLD BAR	GB	29.5	R DN C Y P	1.35	• 10.45		• 6.48	9.13	
_			5.45		• 750	6.38	5.39	_	71	82,4	-	STARTUP	RU	27.1	P	1.31	10.37		● 6.42	9.09	
	-	7.10	• 5.52		• 7.59	6.45	5.46	77	36	88.8	_	SULTAN	SU	23.7	D P	1.26	10.30		• 6.35	9.03	
		7.35	■ 6-10		• 8.16	● 7.00	6.02	104	.26	93.3	_	MONROR	RO	16.2	DN W YKP	. 1.12	•10.12		. 6.10	. 8.47	
		8.00	■ 6.25	L 350m	. 8.33	• 7.14	615	76	165	100.9		назмонома	HO	9.3	R DN P	•12.55	9.58	A 3 5 0 Pm	• 5.55	· 8-32	
		8.21h	6.37	A 3.58M	1 8.43	7.23	6.25	78	27	106.0		LOVILL	w	3.5	R DN K P	12.43	9.46	L 3-40fm	. 5.43	8.2 I	
			640		1 8.48	7.26	6.27	4	140	107.4		PACIFIC AVENUE	D	1.9	DN P	12.40	9.43		. 5.40	8.18	
			. 653		. 8.52	• 7.37	6.42			106.7	STAF	avakārī		0.8	K P	•12.37	9.40		. 5.37	. 8.15	
			A 6.55M		A 8.554m	A 7.40m	A 6.45km			100.5	-		и	0.0	R DN P	L 12.30m	L 9.30km		L 5.30m	L 8.10h	
		A 9.00m						90	1067	100.3	1	Via N. P. Ry.	PG		Re DNWCTYOKP				0.00/11	O. LOIM	
		Dally	Dally	Dally	Daily Ex. Sunday	Dally	Daily	Γ			1		_			Daily	Daily	Daily	Daily Ex. Sunday	Daily	
		401	1	297	285	3	27	Т			-		-			28	4	300	286	2	
		13.00	4.55	35.0	3.08 25.0	4.44	4.18	\vdash			-	Time Over Dietriet Average Speed Per Hour		-		8.30 19.1	6.15 21.1	34:8	2.20	A:10	

INITIAL STATIONS.

Leavenworth for trains Nos. 1, 3, 27 and 401.

Everett Jet. for trains Nos. 2, 4, 28 and 288.

6kykomish for trains No. 285.

Snohomish for Nos. 297. Lowell for Nos. 300. TERMINAL STATIONS.
Leavenworth for Nos. 2, 4, 28.
8kykomish for train No. 286.
Everett Jet. for trains 1, 3, 27 and 288.

Lowell for Nos. 297. Snohomish for Nos. 300. Delta, 401. Westward trains are superior to eastward 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 westward trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown, and not less than five (5) minutes.

Extra trains may pass and run ahead of third class trains.

Automatic block signals in operation between Pacific Avenue and Skykomish (see page 16).

Bulletin boards are located at Leavenworth, Cascade Tunnel. Skykomish, Gold Bar and Delta. Read carefully rules covering operation electric train staff block, pages 14 and 15.

Electric train staff block system between Everett Jct. and Pacific Avenue and between Skykomish and

Maximum speed for passenger trains between Leavenworth and Skykomish 35 miles per hour, through Cascade Tunnel 20 miles per hour, between Skykomish and Gold Bar 40 miles per hour, between Gold Bar and Pacific Avenue 50 miles per hour,

J Engines will not exceed speed of forty (40) miles per hour.

L-1, L-2 and M-2 engines will not exceed speed of 25 miles per hour.

F-7, 8 and 9 engines will not exceed speed of 30 miles per hour.

O-1 and P-1 engines will not exceed speed of 30 miles per hour between Skykomish and Gold Bar.

Class F and heavier engines must not exceed speed of 30 miles per hour netween Skykomish and Gold Bar.

Class F and heavier engines must not exceed speed of ten (10) miles per hour crossing bridge 424 over Skykomish River II-miles west of Skykomish.

Trains reduce speed to ten (14) per hour over bridges 401 and 402 and through Martin Creek tuning of the Class O.3 engines are prohibited on first District.

J. All trains will see exceed speed of 25 miles per hour on curves of 8 degrees and over. Support of the Class O.3 engines are prohibited on first District.

Troop trains handling freight cars must not exceed speed of 25 miles per hour.

Snohomish River. On the Class O.3 engines are prohibited on first District.

Trains handling cars loaded with logs which are not secured by chains, must not exceed a speed of twenty miles per hour.

On descending grades of 1.8 per cent and greater, the maximum speed for freight trains must not exceed 15 miles per hour, and on less than 1.8 per cent descending grade to a 1 per cent grade, the speed must not exceed 25 miles per hour, live stock and fruit trains excepted. On a 1 per cent grade and less, 30 miles per hour will

It must be understood that the above is maximum speed for freight trains, and that this maximum speed will not be made where track conditions will not warrant, which are regulated by slow orders. All trains reduce speed to 25 miles per hour over Bridge 444 one mile cast of Sultan

All trains reduce speed to 8 miles per hour through Martin Creek tunnel, and over bridges at both ends. Passengers trains reduce speed to 25 miles per hour and freight trains to 15 miles per hour through city

All trains reduce speed to 10 miles per hour over crossing just east Pacific Avenue freight depot.

Pacific Avenue passing track is the track known as the "C" line on north side of main line. No engine heavier than an F-5 should go in on any of the yard tracks on south side of main line.

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 carmen examine each car, then release them, and carmen will again examine each car and see that brakes release before giving the signal to start the train. Conductors must inform engineer how many cars loaded and empty in the train, and how many cars of "air" are working.

All retainers must be used from Cascade Tunnel to Merritt, from Winton to Leavenworth, and from Cascade Tunnel to Skykomish.

Trainmen will keep off top of cars while passing through Cascade Tunnel and through concrete snow shed just west of Tye.

LOCATION OF DISPATCHERS TELEPHONE BETWEEN STATIONS.

60 ft. west of west switch westward passing track Tye; north side of track.
60 ft. east of eastward distant signal Tye, south side of track.

2000 ft. west of west portal Windy Point tunnel 13; south side track.

In watchmans shack west of tunnel 14.

315 ft. from east end of second shed east of Scenic; north side of track.

In middle of first shed east of Chiwaukum

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 his 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.

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

All eastward trains will approach the east end of the concrete shed at Tye under absolute control and will not pass the fouling point of the passing track unless signalled to do so by the Tunnel conductor.

Switch to safety track located at west end Tye depot. Switch must be kept set and locked for safety ho a ho switch track. All trains must come to full stop before reaching safety switch and send a brakeman ahead to set switch for main track. After train has passed over, switch must be reset and locked for safety track by

All westward freight trains must stop 15 minutes at Scenic to cool wheels, when Conductor and Brakemen must examine train carefully to discover cracked or broken wheels.

When two trains meeting at Scenic, unless eastward train is to head in operator will hold the Stop board at west switch at "Stop" until the westward train is into clear of east switch

All eastward trains will approach east passing track switch at Scenic under absolute control and will not pass the fouling point of the passing track unless signalled to do so by the operator, and operator will not signal them unless he has staff in readiness.

Local freight trains between Skykomish and Delta will carry passengers, when provided with proper

Miller River, Baring and Heybrooks spur will be flag stops for trains 283 and 286.

No. 2 will stop at stations between Skykomish and Leavenworth for passengers for Twin Cities and east. Nos. 3 and 4 will stop at Nason Creek and Winton to receive or discharge parcel post mail on request of postal clerks

Except when displaying signals for following sections, all first class trains will register by card at Gold Bar Snohomish, Lowell and Everett Jct.

Freight trains will use N. P. tracks between Lowell and Delta and will be governed by N. P. time table and rules between these points.

At Snohomish all N. P. trains will enter and leave G. N. main line through cross-over.

At Lowell all eastward trains from N. P. connection, and first class westward trains for N. P. connection, will run through cross-over. All westward second and inferior class trains for N. P. connection will enter passing track at east switch.

Interlocking plant at bridge 455 just east of Snohomish. No distant signals. Home signals are located 550 feet each way from draw span; derails 55 feet in advance of home signals.

Yard limit boards are placed each way from Gold Bar and Skykomish, east from Cascade Tunnel and west from Leavenworth.

Yard limits extend from Pacific Avenue to N. P. connection at N. P. Freight Depot, and to yard limit board east of Lowell.

Lap sidings: Chiwaukum and Merritt,

BUSINESS TRACKS FIRST DISTRICT NOT SHOWN AS STATIONS ON TIME TABLE.

NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY	1				
Foss River Spur. Great Republic M ning Co., Miller River. Grotto Lumber Co G. N. Shingle Co.'s S.ding. Baring. Heybrook Spur	9.0 Miles west of Leavenworth	West West East Both ends	1,275 feet	3 14 25 24 22 5	Wallace Falls Lbr. Co Gravel Bunkers Sultan Logging Company Connection Monroe Grave Pit. Wagner & Wilson Lbr. Co. Spur Woodruff. Sumner Iron Works Spur	LOCATION 2 0 Miles east of Gold Bar. 1.0 Miles east of Reiter 2.0 Miles west of Sultan. 0 0 Miles west of Monroe Opens off Monroe Gravel Pit Track. 2.0 Miles west of Monroe 0.9 Miles east of Pacific Ave. 0.1 M les west of Everett.	Both ends West West West Both ends West	LENGTH 2,709 1,620 feet	CAR CAPACI 60 34 37 110 25 21 25 21

LOCATION OF TUNNELS.

Tunnel No. 15, 1,512 feet long, height 18.7 feet, .66 miles east of Corea.
" 15.2, 1,248 " " 22.5 " 1.58 miles east of Scen c.
" 15.3, 815 " " 22.5 " 1.59 miles west of Corea.
" " 10, 2,368.3 " " 22 " Everett, Wash

Tunnel No. 13, 13.873 feet long, height 19 feet, between Tye and Cascade Tunnel

13.1, 1,202 12.2 22.5 1.12 miles east of Embro.

13.2, 458 12.2 22.5 20 miles east of Embro.

20 miles east of Embro.

14, 274.8 11.18 miles west of Embro.

15. Trains reduce I put to 10 miles per how over

(371da: Hy On tom Half miles there of Joyn

SECOND DISTRICT—EVERETT JUNCTION TO SEATTLE.

WEST	WARD	١.

	SECOND CLASS	Canacia							-					WESTWA
717	401	of Side Tracks	otion	Time Table No. 2.	4			Ī	T	1	CLASS			
Mdse. Freight			£2	In Effect July-11, 1920,	10	357	27	3	285	277	359	1	355	
Daity Ex. Sunday	Past Freight Daily	Track	Distance	STATIONS	- 1	Passenger	Fast Mail	Pamengar	Passenger	Passenger	Passenger	Passenger	Passenger	
L 1.15m		144 0	-		ř	Daily	Daily	Daily	Daily Ex. Sunday	Daily Ex Sunday	Daily	Daily	Daily	
• 1.35	L 1.00m		-	EVERETT JUNCTION	JN	1. 6.10Am	L 6.45m	L 7.40m	L 8.55Am	L 9.154m	I. 2.00m	L 6.55m	L 8.07hm	
	1.12	110	3.	MUKILTEO	MU	. 6.19	6.51	7.46	• 9.03	• 9.23	2.06	7.01	1 8 13	
1 1.50	1.25		7.	MOSHER		1 6.27	6.57	7 52	1 9.11	1 9.30	2.11	7.07		
1 2.05	1.36	. 8	10.	MEADOWDALE	. 8 AI	1 6.33	7.02	7.57	1 9 17	1 9.36			8.18	
* 2.40	1.56	157	14.	EDMONDS	E DE	. 6.43	7.10	8 05	1 924		2.16	7.12	8.23	
3.35	2.05	87	17.	BRICHMOND BEACH	m R	1 6.51	7.15	8 10		9.45	3.33	7.20	8.30	
1 4.15	2.45	194	26.1	BALLARD	RAC BD		7.30		1 9.31	• 9.52	2.27	7.25	8.35	
A 4.30hm	A 3.00km	205 633	28.0	INTERBAY	- RB			8.25	1 9 48	*10.11	241	7.40	850	
		265	29.1	4a. N. DOCK	-1		7.34	8.29	1 9.53	•10.19	245	7.44	8 54	
		843		3.4	-									
					J UD	A # 7.30km	A # 7.504m	A . 8.45km	A #10.10Am	A +10.354m	A + 3.00m	A # 8.00m	A . 9 10hm	
			_	40.2		1. 12.30m					L 3.30m	L 8.20	-1 -0 0	
		183		TACOMA		* 1.55Pm 2.05					* 5.88	A s 9.50 Pm		
Daily Ex. Sunday	Daily		214.8	PORTLAND	14	A # 7.10mm					A =10.50mm			
717	401		-			Daily	Daily	Daily	Daily Ez. Sunday	Daily Er Sunday	Daily	Daily	Daily	
3.15 8.0						357	27	3	285	277	359	1	355	
•.0	2.00 14.0			Time Over District Average Speed Per Hour	_	1.20 24.6	30.2	1 05 30,2	1.15 26.1	1.20	1.00 32.7	1 03 30 2	1.03	

35 miles BUNYS

Westward trains are superior to eastward 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 westward trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown and not less than five (5) minutes.

Extra trains will use double track in direction of Current of Traffic without running orders on receipt of Clearance from

Extra trains may pass and run ahead of third class trains.

Pollowing trains meet and pass on double track between Everett Jct and Seattles

No. 3 meets Nos. 360 and 4. No. 277 meets Nos. 360, 4 and 718.

No. 717 meets Nos. 278 and 284. No. 285 meets Nos. 360, 4 and 718. No. 356 meets No. 401.

No. 1 meets No. 2. No. \$55 meets No. 2.

No. 359 passes No. 717 and meets No. 278.

Bulletin boards are located at Interbay and Seattle.

Troop Trains handling freight cars must not exceed speed of 25 miles per hour.

Maximum rate of speed for passenger trains between Everett Jct. and Scattle, 50 miles per hour. Maximum rate of speed to: passenger trains determent per cold and Seattle 30 miles per Maximum rate of speed for freight trains between Everett Jcl. and Seattle 30 miles per hour.

J Engines will not exceed speed of forty (40) miles per hour.

L-1, L-2 and M-2 engines will not exceed speed of 25 miles per hour.

F-7. 8 and 9 engines will not exceed speed of 25 miles per hour.

O3 engines prohibited on this district.

No effi trains will endeue speed to 25 miles per hour over curves of 8 degrees or over.

All trains will reduce speed to 25 miles per hour over draw span of bridge 4 over Salmon Bay at Ballard.

Trains will not exceed speed of 10 miles per hour through Seattle tunnel.

Steam Whistle Signals for Tracks with 25 miles per hour through Seattle tunnel.

All-trains will reduce speed to 8 miles per hour passing through town limits of Edmonds. Steam Whistle Signals for Tracks with Switches Controlled from Everett Jet. Interlocking Track.

East Bound :- Main Line one long blast: Coast Line one long one short blast. Ballard, Edmonds and Mukiltee are flag stops for No. 4 to take on passengers for Spokane.

Mile Post 10, south of Richmond Beach, is flag stop for No's 277 and 278.

Ballard is flag stop for No. 2, to take on passengers for Spokane or points east of Spokane. Ballard is stop for No. 359 Sundays.

Ballsard is stop for NO. 359 Summays.

NO. 358 will stop at any station between Seattle and Vancouver to discharge passengers from south of Seattle.
All G. N. trains between Seattle and Vancouver, Wm., will be governed by time table and rules of N. P. Ry.
All G. N. trains between Vancouver, Wm., and Portland, Ore., will be governed by time table and rules of S. P. and

S. Railway.

INITIAL STATIONS.

Seattle for trains Nos 360, 4, 358, 278, 2, 28, 356, 286

Interbay for trains Nos. 718.

Everett Jct. for trains Nos. 27, 357, 3, 285, 277, 359, 1, 355, 401, 717

TERMINAL STATIONS.

Interbay for trains Nos. 401 and 717.

Seattle for trains Nos. 27, 357, 3, 285, 277, 359, 1, 355.

Everett Jct. for trains Nos. 360, 4, 358, 286, 278, 2, 28, 356, 718.

LoTard limit boards east of Ballard cover limits to Seattle.

Yard limit board west of Everett Jet.

INT. TRLOCKING Plant Baskule drawbridge 500 feet west of Ballard. Distant signals are located 4000 feet east and west of draw span.

Home signals are located 600 feet east and west of draw span.

Derails are located 55 feet inside home signals.

Eastward Distant Signal Connected with Home Signal so Approaching Trains will get a Clear Signal when Route over Bridge is Clear and Home Signal in Clear Position.

 		FIRST	CLASS					Time Table No. 2				SECOND CLASS	THIRD CLASS
356	28	2	358	286	278	4	360	In Effect July 11, 1920	8	SIGNS			718
Passenger	Express	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger		as e	See Rule 2, Page	18.		Mdse, Freight
Daily	Daily	Daily	Daily	Daily Ex. Sunday	Daily Ex Sunday	Daily	Daily	STATIONS	Distant				Daily Ex Sunday
A 1.05Am	12.30km	A 8.10h	A 6.00m	A 5.30m	A 3.25m	A 9.30km	A 9.15le	(EVERETT JUNCTION)	32.7	R DN	P		A 11.25km
•12.55	12.24	8.03	5.53	• 5.21	. 3.16	9.23	• 9.08	MUKILTEO	28.0		P -		#11.10
112.45	12.17	7.56	547	1 5.11	1 3.06	9.17	1 8.59	4.1 > C	24.8		P		
112.37	12.12	7.51	542	1 5.05	1 3.00	9.12	1 8.51	MEADOWDALE	21.8	D	P		110.30
112.29	12.06	7.45	5.36	• 4.58	• 2.53	9.05	• 8.43	TRA EDWONDS	17.9	D W	P		110.15
119.90	12.01 Am	7.40	5 29	• 4.50	. 245	8.59	• 8.33	RICHMOND BEACH	14.0	D	-		*10 00
•12.03te	11.48	7.27	5.17	1 4.35	• 2.30	8.47	• 8.18	BALLARD	5.8		-		1 930
•11.69	11.44	7.24	5.14	r 4.30	• 2.25	8.44	. 8.14	INTERBAY		Re DNWCTO			1 9.00
								g. N. DOCK	3.4				I. 8.50km
L 11.45h	L 11.30m	L 7.10m	L 5.00m	L 4.15m	L 2.10m	L 830km	L 8.00km	SEATTLE.		R DN .			
A # 8.00m		S7 757722 T	A : 4.40m				- 5.004	SEATTLE		K DN -	IPK		
. 8.38		L 5.25m	3:20m					40.7	183.1		_		
L 1.00m			L 10.00kg					143.4 PORTLAND	142.4	-			
Daily	Daily	Daily	Daily	Daily Ez. Sunday	Daily Ex. Sunday	Daily	Daily	PORTLAND	.0				Della
356	28	2	358	286	278	4	360						Daily Es Sunday
1.20	1.00	1.00	1.00	1.15 26 1	1 15 26.1	1.00		Time Own District			_		718
74.0	43.7	21.7	82.7	26 1	26.1	12.7	26.1	Time Over District Average Speed Per Mour					2.35 10 8

DANLEYS SHINGLE (S)

Automatic Block System.

Automatic Block Signals are in operation between King Street Station, Seattle, and Everett Jet.

Interlocking Signals.

Within the limits of the Automatic Block Signal System Interlocking Plants are located as follows:
SOUTH PORTAL OF SEATTLE TUNNEL.
NORTH PORTAL OF SEATTLE TUNNEL.
EVERETT JUNCTION.

Automatic Block Interlocking Signals and Semaphores

Westward.

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

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

Distant signals, westward high line, is located 3500 feet from home signal.

First automatic signal westward is 2500 feet west of Everett Junction.

Eastward.

Pirst automatic signal eastward is located 3000 feet from eastward home signal. North Portal.

Eastward home signal, Everett Junction Interlocking is located 200 feet from west end of eastward crossover switch, and has two arms; top arm is for main line to St. Paul; lower arm for crossover up the Coast line.

For Further Instructions and Diagrams see page 16 and 17.

Business Tracks Not Shewn as Stations on Time Table.

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Wamer-Mowatt Lumber Co. Spur Brown Bay Logging Co. Connection Invincible Railjoint Spur Standard Oil Co. Spur G. N. Clay Co. Spur	1 mile east of Meadowdale	Enst West East East West West East West	2185	30 2 3 2 42 46 10 43

LOCATION OF TUNNELS.

Tunnel No. 17, 5,141.5 feet long, height 22 feet. Seattle, Wash.

SPECIAL BULES.

Ex. Mark

7 t8

3 35

Daily Ex. Sunday

717

Sonakward trains are superior to northward trains of the same class.

Extra trains may pass and run ahead of third class trains.

Read carefully rules covering operation Electric train staff block, pages

Daily Es. Sunda:

729

-

Dally

401

Ex Ronda

711

14 and 1a.

Electric train staff block system between Delta Wye and Marysville.

Automatic Block Signals in operation between Everett Jct. and Delta Wye and between Marysville and South Bellingham. See page 16.

Bulletin boards are located at Burlington and Bellingham. Maximum speed for passenger trains between Delta Wye and Samish, 55

miles per hour, between Samish and Bellingham, 40 miles per hour. Maximum speed for freight trains between Delta Wye and Samish 25 miles

per hour, and between Samish and Bellingham 20 miles per hour, between overhead crossing two miles north of Samish and Tunnel 18, in rainy weather, 15 miles per hour. Engines will not exceed speed of forty (40) miles per hour.

J Engines will not exceed speed of forty (40) miles per hour. F-r-5 and 9 engs will not exceed speed of 20 miles per hour. Engines heavier than E-14 and F-5 are prohibited on this district. All trains will not exceed speed of 25 miles per hour over curves of 8 degrees

All trains will reduce speed to 10 miles per hour over draw bridges 10 at Delta, 11 and 12 near Marysville and 36 near Burlington.

Trains handling cars loaded with logs which are not secured with chains,

must not exceed a speed of twenty miles per hour. All trains run carefully from overhead crossing 2 miles north of Samish to

All trains reduce speed to 8 miles per hour passing through town limits,

Marysville, Mt. Vernon and Burlington.

Trains will not exceed 6 miles per hour on coast line track over 24th St. near Everett flour mill, California St., Hewitt Ave. and Bond St., north and south of passenger depot city of Everett.

Time Over District Average Speed Per Hour

Norman, 1 mile north of Silvana, is flag stop for Nos. 277 and 278.

Stanwood will be stop for No. 355 and No. 358 Sundays.

At Kruse all N. P. trains will enter and leave G. N. main line, through

Except when displaying signals for following sections, first class trains will register by card at Kruse, Delta Wye and Everett Jet.

Normal position of gates at crossing of third and fourth districts at Burlington, will be against fourth district trains. Not necessary to stop for crossing when gates are set against opposing district.

South switch Everett passing track, is located 300 feet north of station

Track lying to the south of cross-over, between round house and depot Bellingham, will be known as passing track.

Steam whistle signals for tracks with switches controlled from Delta Wye Interlocking Tower.

Main Line-One Long.

84.1

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, Northward from Northern Pacific connection, One Long, One Short,

Southward for Northern Pacific connection, Two Long, One Short, One Long.

INTERLOCKING SYSTEM.-Governing movement of trains N. P. crossing and Bridge 10 just north of Delta Wye.

8.07h

Daily

355

24 37

9.15kg

Daily Ex. Sunday

277

2.30

2.00h

Daily

299

27.0

Daily

359

200 a 10

JN

6.10M

Daily

357

All southward trains will be governed by a two arm home signal located 700 feet north of draw span. Top arm at 90 degrees up proceed to two arm home signal located 20 feet north of N. P. crossing, top 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 northward will be governed by top arm on home signal located 60 feet south of wye switch and by home signal located on trestle 500 feet south of draw span.

Train movements from Delta northward will be governed by top arm on home signal located 60 feet cast of wye switch, and by home signal located on trestle 500 feet south of draw span.

Trains between Delta and Bayside will be governed by lower arm home signal located 60 feet east of wye switch,

Trains northward from Northern Pacific connection to Great Northern main line governed by lower arm on Home Signal on Northern Pacific track. Top arm on advanced Home Signal 500 feet south of draw span.

Southward trains for Northern Pacific connection to be governed by lower arm on Home Signal 700 feet North of draw span.

Staff crane for trains from Northern Pacific connection northward is located on Northern Pacific track on trestle.

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

Interlocker at Drawbridge No. 36 one mile north of Mt Vernon. Derails are located 500 feet from end of draw span.

NAME

	FIRST	CLASS			J	Time Table No. 3			5	ECOND CLASS	1	HIRD CLASS	
298	358	278	360	356	'	In Effect Ampune 1920	Distance from Everett Junetion	SIGNS	712	728	714	713	
N. P. 441 Passenger	Passenger	Passenger	Passenger	Passenger]		tabos Tett J	See Rule 2 Page 18	Fast Freight	N. P. 678 Freight	Mdse . Freight	Mdss Freight	_
Daily	Daily	Daily Ez. Sunday	Daily	Daily		STATIONS	200		Ex Buily	Daily Ex. Sunday	Daily Ex Sunday	Daily Ex Sunday	_
	A . 8.15m	A . 6.15m	-	4 4 4.10km		BELLINGHAM	64.1	R. DN CMTK					-
	■ 8.00	• 6.02	1210 350 mm	. 4.00		SOUTH BELLINGHAM	61.2	DO K	(8.30)			-	
	7.52	1 5.53	1137	1 3.50] [sockeye	87.2	,					-
	740	1 840	11.00	357	1	8.6 SAMISH	51.6	. w ,					-
/		• 5.38	1134	1 3.26		BLANCHARD	50 B	,					
	7.32	1 6.31	1173	1 3.20		3.4 BOW	47.5	D 6	277				_
	7.24	1 5.22	11110	1 307	- 2	BELLEVILLE	42 0	-					_
	. 770	. 5.16	1118 713	• 3.00		BURLINGTON		R DNCOWYXIK			A +1 1.30Am		-
	• 7.06	. 5.03	11.00	1 2.45	≝{ -	MT. VERNON	36.1	DN F			360 -711	-	_
	355 6.54	• 4.50	*10.41	1 2.30		8.4 FIR	30.8	D 1			111.00		-
		. 445	•10.35	1 2.25	1 5 -	mill fown	29 1	-	5.65		*10.10		_
	643	• 4.35	10.26	• 2.15	12 -	STANWOOD							_
	6.34	• 4.20	•10.12	1 2.00	1 -	8.8	23.7	DN F	367		1 9.30		
	628	4.10	110.01		1 -	SILVANA	18.2	D W F			s 8.32		
4 4 26m				1 1.49	-		14.1			10.00	1 8 05		_
- 4 aom	623	• 402	9.53	140	-	KRUSE	10 5	R DN F	4.30	A 8-254a	1 745		
4 19	6.18	■ 3.54	9.48	1.34	1.	MARYSVILLE	7.1	DN F	4.15	1230	1 7.30		
L 4-12h	612	3.43	9.38	1.23	20	DELTA WYE	4.4	R DNIY F	L 400m	1. 200kg		A 11.504s	_
	6.09	3.40	9.35	1.20	atic	LONG SIDING	3.4					11.40	_
	. 6.05	• 3.35	9.30	1.15	ES	EVERETT	0.8	,				11.30	
	L 6.00m	L 325m	L 9.15km	L 1.05Am	Aut	EVERETT JUNCTION	0.0	R DN F				L 11.25kg	_
Daily	Daily	Daily Ex. Sunday	Daily	Daily	1 '				ENSUNDAY	Daily Ex. Sunday	Daily Ex. Sunday	Daily Ex Sunday	_
298	358	278	360	356					7712	728	714	718	_
27:0	2.15 28.5	2.55 23 0	3,00	3.05		Time Over District Average Speed Per Hour	-	7	13.4	Ro	4.30	0.23	_

Interlocking Plant at crossing of Pacific Northwest Traction Company just north of Burlington. Home signals are located 208 feet north and south of crossing. Derails are located 58 feet inside of home signals. Home Signals are pipe connected.

Mt. Vernon interlocking plant 1 mile north of Mt. Vernon, crossing the P. S. & C. Ry. South derail is located 255 feet south of crossing. North derail located 400 feet north of crossing. North bound home signal is located 260 feet south of crossing. South bound home signal located 458 feet north of crossing. All signals standard indications and are a part of the automatic block system. A switch opening south leading to the P. S. & C. Ry. yards is located with head block 450 feet south of crossing. A pipe connected derail is located 185 feet from head block in on this apur. An automatic dwarf signal is located at this derail for south bound train movements coming out of this spur and will show caution when switch is opened and no train standing between north bound home signal and Mt. Vernon. This dwarf signal is part of automatic block signal system.

INITIAL STATIONS.

Blaine for train No. 711. Delta Wye, for trains Nos. 293, 725, 712, 714, 717 and 401. Everett Jct. for trains Nos. 358, 360, 356, 278 and 718. New Westminster, for trains Nos. 95, 102, 104 and 106. Vancouver, for trains Nos. 359, 353, 357, 101, 105.

Tand 719. Bellingham, for trains Nos. 277 and 720. Kruse, for trains Nos. 299 and 729.

Burlington No. 713. -CN JUNCTION FOR TRAINS 97-101-103 1-107

TERMINAL STATIONS.

Blaine, for train No. 712.

Delta Wye, for trains Nos. 299, 729, 711, 713 and 718. Everett Jct., for trains Nos. 359, 355, 357, 277, 401

New Westminster, for trains Nos. 97, 101, 103 and 107, Vancouver, for trains Nes. 42, 556, 358, 360, 402,

Beilingham, for trains Nos. 278 and 719. Kruse, for trains Nos. 298 and 728.

Burlington No. 714.

C.N. JAMETION FOR TRAINS 98-102-1040 160

YARD LIMITS

Yard limits extend from yard limit board north of Roundhouse, Bellingham, to yard limit board, south of South Bellingham.

Yard limit boards placed each direction from Bur-Everett yard limits include Delta yard and from North

end of draw bridge 11 to yard limit board west of Ever-YARD LIMIT BOARDS PLACED EACH DIRECTION FROM IVHITE FOR

Business tracks not shown as stations on time table.

LOCATION OPENS LENGTH

CAPACITY Coast Clay Spur ... Leads off of Chuckanut Spur..... Chuckanut Quarry Spur Chuckanut Cannery Spur 1.0 Miles north of Sockeys
0.7 Miles north of Sockeys North 24 North Blanchard Spur.... 0.5 Miles south of Samish.... Bloedel Donovan Spur..... North 1.3 Miles north of Bow 1.5 Miles north of Bellville 1.7 Miles north of Mt. Vernon Bellville Pit
Everett Pulp and Paper Co., Spur
Puget Sound and Cascade Ry. Conn North North South 4 . Conn 1.0 Mile north of Mt. Vernon 0.9 Miles south of Fir 1.3 Miles south of Fir South Skagit Crossing Tr. Track... Hawley Spur2 South

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Morrison Mill Spur Ketchum Spur Hals Spur Hals Spur Norman Spur Kennedy Spur Kruse Bros. Spur Cox's Spur	Miles south of Fir. S Miles north of Stanwood Miles north of Stanwood Miles north of Silvana Miles north of Silvana Miles north of Marysville Miles north of Marysville Miles north of Marysville	South South South South South South South		8 3 2 2 6 2

Tunnel No. 18, 1,112.9 feet long, height 21.8, .46 miles north Samish.
" " 19, 141.5 " " " 21.3, .62 " south Sockeye.

LOCATION OF TUNNELS.

CAR

Tunnel No. 20, 326.5 feet long, height 20.9. .43 miles south Sockeye. 697.6 " "

21. .32 " " South Bellingham.

THE	RD CLASS		,	SECOND	CLASS		Capac	dty		Time Table No. 2						RST CLASS			-
03	719	107				711	Capac of Bi	-		In Effect July 11, 1920	3	357	359	355	97	101			
	ddm . Freight					Fast Freight	3.0		Distance from Vancouver		1	Passenger	Passenger	Passager	C. N. Ry. 35 Passenger	C. N. Ry. 2 Passengar			
	Daily Ex. Sunday	Mon. Wed Fri				Ex Mesos	Presion	Trioker	V	STATIONS	F	Daily	Dally	Daily	Daily	Daily		-	-
ily	Tag es				Ti	EX Menus	33	319	0.0	YANGOUVER.	VN	L 12.01m	9,304	L 3.00m	7.00m	L 180 PM			-
2 Jun	1 200	640m							2.7	STILL CREEK		1205	a}y 9-10	3043.10	7.11	7518-1-1			_
.43	725	6.58							4.6	ARDLEY		112.15	9-11	311	7.16	816			
49		7.04			_			30	7.3	BURNABY		(12.21	948	3150	7.22	8-22			
57	735	7.12			_			_	10.9	BNDOT		12.27	950	304	7.28	8-08			
03ks	1 9-10	7 2 1					27	86	12.4	SAPPERTON		12.30	151	323 3-27	7-31	8-31			
10	860	7.25			_	_	-	52	13.1	NEW WESTMINSTER	MN	•12.38	158 000	· 5-314	A 7.35 M	A . 8-36m			
.15km		4 7-30km					-	52		0,4		12.43	1003	333					
	1 320						-	-	13.5	TOWNSEND		112.52	1011	343					
	1 9-30						- 64	-	18.7	8.4			1022	1352	-				
	250						65	59	24.1	1.6		1.02		1 400					-
	110.00						-	24	27.7			1 1.10	10.30	425		_			
Cios	1040						65	21	82.5		WR	• 1.35	10.55	1 426		_			
~							_	_	35,8				-	445					-
	7201118	1115				L DISA	1 02	134	36.0			1.55	111.05	457				_	
	112-054	1				. 35	76	40	43.			1 2.10	*11.22	5-01		-	-		
		14.5				16		3	46.			1 2.17	11120	508		-			
_	200	-				• 326	75	38	49.			• 2.23	1140	. 543					
_	1 7.40						1	30	51.			2.28	111:38	525					
						A 47:100	111	110	58.	BELLINGHAM	нм	A . 2.43A	A . 11.004			-			
	Daily Ex. Sunday	Mon. Wed. Fri				Ex Mond	_			LIVA .		Dally	Daily	Daily	Daily	Daily			
Deily		107				711	7	-				357	359	355	97	101			
103	719					1.00	十	_		Time Over District Average Speed Per Hour		2.42	2.15	24.1 25.20 24.1	27.6	3: 22 0			
	7.70	137				122.1		1					parit	14MH					
				f shind along the	,)				Special Rules. Tales are superior to northward trains and trains and trains and trains and trains are trains are trains and trains are trains are trains are trains and trains are trains and trains are trains			ed of 10 mi	les per hour	over Brunet	te Street at	Sapperton. Mile Post 127, be		

Extra trains will use double track in direction of current of traffic without running orders on receipt

No. 355 meets No. 360 and No. 719 meets No. 462 on double track between Still Creek and Endot

Bulletin Boards are located at Bellingham and Vancouver. Maximum rate of speed for passenger trains between Bellingham and Vancouver, 45 miles

J Engines will not exceed speed of forty (40) miles per hour.

F-7-8 and 9 engs. will not exceed speed of 30 miles per hour.

Engines heavier than E-14 and F-5 are prohibited on this district. Me Attraint will man exceed speed of 25 miles per hour, on curves of 8 degrees and over,

All trains will reduce speed to the miles per hour over draw bridges 69 and 70 near Colebrook and 85 Vancouver yard and reduce speed to 15 miles per hour over bridge 64 near Ferndale.

Terms handling cars loaded with logs which are not secured by chains, must not exceed a speed of twenty miles per hour.

On descending grades of 1.8 per cent and greater, the maximum speed for freight trains must not exceed 15 miles per hour, and on less than 1.8 per cent descending grade to a 1 per cent grade the speed must not exceed 25 miles per hour, live stock and fruit trains excepted. On a 1 per cent grade and less, 30 miles per hour will be the limit.

It must be understood that the above is maximum speed for freight trains, and that this maximum speed will not be nade where track conditions will not warrant, which are regulated by slow orders.

No Train Will Excess Speed of 25 miles per her Bilterin mp 139 1827. Trash him

All trains will come to a full stop within 50 feet of home signal on either side of Frazer River bridge, and will not proceed until clear signal is displayed, and will not exceed a speed of five (5) miles per hour over this bridge.

Ocean Park, 1 mile south of Crescent, will be flag stop for No's 356 and 357.

No. 355 will register by card at Colebrook.

The normal position of switches at Colebrook Jct., Guichon line Jct., and Frazer River Jct. will be for main line. Track lying to the south of cross-over between round house and depot, Bellingham, will be known as passing track. Semaphores for protection of draw, Frazer River bridge, between Frazer River Jct, and New Westminster, are located

on north and south end of bridge. Retaining wall, New Westminster, between Front St., crossing and old interlocking tower, does not give full side clear-

ance. Train and engine men must not hang on side of cars or engines passing same. No trains in either direction will pass International Boundary at Blaine and White Rock without permission of Cus-

toms officials. Yard limit boards at Bellingham, Blaine and Vancouver.

Yard limit board at Sapperton Sand Pit North of Wye, covers limits to Fraser River Bridge. All trains arrivers of leaving Vancaur and CN Juneton will registe in train

	FIRST CLAS	5				Time Table No. 2.				SECOND CL	ASS THIRD CLASS
	358	360	98	102 -	356	In Effect July-41, 1920	3	8 g	SIGNS	712	720 106 104
	Passenger	Passenger	C. N. Ry. 37 Passenger	C. N Ry. 1 Passenger	Passenger		Ê	ingha	See Rule 2, Page 18.	Fast Freight	Mdss. Freight Miles. Freight Freight
	Daily	Daily	Daily	Daily	Daily	STATIONS	- 4	Dieter		Ex Sunday	Daily Tu-s. Daily Ex Sunday Thurs. Sat Daily
	A •10.45M	A = 3.30M	4-1100		A. 8.00km	YANCOUVER	VN		Re DN WCYT OPK		A \$ 4.30m
	10.30	1 3.12	5.1049Am	1 857 am	7.40	TILL CREEK		55.4	P		1 4.15 4.30 MITTER
	10.26	1 3.07	10.38	8.42	f 7.35	ARDLEY		83.1	P		1 4.08 4 25 H-10
	10.21	1 2.59	10.30	8-38	1 7.28	BURNABY		50.9	Р		1 4.00 4 19
	10-15	2.47	10-19	8.32	7.21	3.3 ENDOT		47.7	Р		1 3.48 4 13 1868
	10-11	1 2.42	10.14	8.28	1 7.17	SAPPERTON		45.7	WIY PK		1 3.27 4 05 1969
	+10.08	. 240	L 10 12Am	L 219	• 7.15	NEW WESTMINSTER	MN	45.0	R DN I PK		3.17 L 400m L 1046
7	9.59	2:30			7.05	FRASER RIVER JCT		44.6			1 3.12
	9.61	1 840			1 6.55	TOWNSEND		39.4	Р		1 3.00
	• 9.43	· 2:10			6.42	COLEBROOK	a	34.0	R DN W Y P	4	1 240
	1 9.35	1 800			1 6.20	CRESCENT		30.4			1 215
	• 9.11	720	40)		. 5.55	white Rock	WR	25.6	DN P		(1 1300 - 140)
		214				INTERNATIONAL BOUNDARY		12.6			
	• 9.00	Visi:	(0)		. 5.25	BLAINE	BN	22.1	RDNWTP	A 10.25ka	719 11.45h
	7 8.42	·1-05	0		4.54	custer	cu	14.6	D P	*10.05	359 311 22
	8.35	11-17			1 4.46	ENTERPRISE		11.9			
	· 8.32	1250			. 4.40	PERNDALE	PD	9.0	D P	s 9.40	*1046
	8.24	1343			4.29	BRENNAN		4.8			
	L 8.15mm	L 10-20h			L 4.15m	BELLÍNGHAM	нм	0.0	RODN WC T PK	L . 9.00kg	L 9.654m
	Delly	Dally	Dally	Daily	Delly					Ex Sunday	Daily Tues. Ex Sunday Thurs, Sat. Daily
, ,	358	360	98	102	356					712	720 106 104
^	is Electrome	3.00	19 34	21/20	3.43	Time Over District Average Speed Par Hour				1:11	6.35 37 37 8.0 10 12 4 10 17 4

object to a color and some front back New Westernand and breens When given Clean Signal on Sither on of their Signal may protein through become

New Westminster Interlocking System.—Signal tower is located 4600 feet north of north end of Fraser River bridge. This apparatus controls the crossing of the C. P. Ry., also switches leading to and from the Fraser River Bridge tracks and New Westminster. South derall is 1600 feet south of tower.

North derall is 1600 feet south of tower.

Northward home signal is located to the left of the track and is 1655 feet south of tower.

Southward home signal is located 675 feet north of the tower. Distant signals are located 1200 feet north and south of home signals. This plant has two advance home signals governing train movements over switches at north and south end of plant. North of plan this signal is located to the left of the track top arm for main line, lower arm for diverging track leading to Fraser Mills. South of plan top arm for main line, lower arm for track leading to water front and freight house.

Interlocking plants are in use on bridges 69 and 70 between Crescent and Colebrook. Home signals and derails are located 600 feet north and south of both bridges. The caution fixed signals are located 3000 feet from home signals.

Interlocking plant at Ardley, B. C., governing movement of G. N. Ry., trains and B. C., Electric Railway Company trains: Northward home signal is located 558 feet from crossing. Derail is 58 feet ahead of signal. Northward distant signal is located 2000 feet from home signal. Southward thome signal is located 2000 feet from crossing and has two arms. Derail is 58 feet ahead of signal. Southward distant signal is located 2000 feet from home signal.

Burrard Inlet Interlocking plant crosses the C. P. Ry. and B. C. Electric Ry. at Burrard Inlet, Vancouver. South derail is located 200 feet south of B. C. Electric crossing. North derails are located 200 feet north of C. P. Ry. crossing. Northward home signal is 258 feet south of B. C. Electric crossing. Southward home signal is 210 feet north of C. P. Ry. crossing. No distant signals at this plant.

NAME	LOCATION	OPENS	Leefth	Capa
Maddoughe-Shaw Spur	0.7 Miles north of Ardley	South		5
Ardley Power Spur	0.3 Miles south of Ardley	South		2
Haight Spur	. 1.5 Miles north of Sapperton	South	450	7
Haight Spur Bradford and Taylor	0.7 Miles north of Sappert on	South		4
St. Mingo Spur	1.0 Mile north of Townsend	North		23
Delta Shingle Co. Spur	0.8 Miles south of Townse ad	North		10
Mosher Lumber & Logging Spur	. 2.2 Miles south of Townserad	South	630	16
Squires Spur	2.0 Miles north of Colebrook	South		2
Campbell Lumber Co. Spur	1.0 Miles south of Whiterotk.	South	2450	
Dakota Creek Spur	. 2.0 Miles south of Blaine	North		30
Blaine Shingle Co.'s Spur	2.0 Miles south of Blaine	South		9
Drayton Bay Shingle Spur	. 400 ft. south of Blaine	North		4
McDonald Spur	1.2 Miles north of Custer			3
Enterprise Spur	0.7 Miles north of Enterprise	South		3
Sand Pit Spur	0.8 Miles south of Enterprise	South		13
Milk Spur	0.3 Miles south of Ferndale	South		28
Marietta Spur	3.3 Miles north of Bellinghum.	South		2

WESTW	ARU.						ISTRICT—ANACORT		-					EASTWA
CLASS	SECOND CLASS	FIRST CLASS		Capac of Sic Trac	ity de		Time Table No. 13				F	IRST CLASS	SECOND CLASS	THIRD CLASS
723	377	289	279	Trac	ks	from	Effective duty bby 1920	elle o	E CL	SIGNS	290	280	378	724
Mdar Freight	Mixed	Passenger	Passenger	i a	+8	Distance Rockport		grap	2.5	See Rule 2, Page 18.	Passenger	Passenger	Mixed	Midse Freight
Ex Mos Day	Daily Ex. Sunday	Daily	Daily	25	Other	D M	STATIONS	Ė	Ans		Daily	Daily	Daily Ex. Sunday	Daily Es Sunday
6.30km		L 4.30hn	L 9.25km	39			ROCKPORT R	KK	53.7	R D Y W	A # 1.30fm	As 910m		1 4.30fm
1 6.50		4.45	9.40	16		6.8	PADER NEST CS		47.9		1.12	8.55		f 4.00
. 7.25		s 4.57	9.52		83	9.1	CONCRETE B.	BA	44 6	D	• 1.00	. 8.47		s 3.30
1 7.50		f 5.00	1 9.55	39	76	10.3	ORASEMERE		43.5	w	112 50	1 8 39		1 2.40
1 8 20		• 5.12	*10 08	41		15.5	BIRDSVIEW		38 2		12.38	. 8.27	9.	1 2 15
. 8.50		• 5.25	*10.21	25		20.6	HAMILTON	н	23.1	D W	*12 25	· 815		+ 1.40
. 9.15		■ 5.37	10.34		25	23.9	LYMAN	MY	29.8	D	*12.15m	. 806		* 1.10
1 9.35		f 5.48	110.45	21		29.2	COKEDALE JUNCTION		24.8		f11.58	1 7.54		112.40
#10.00	L 9.15km	• 6.00	•10.55	42	63	22.4	SEDRO-WOOLLEY S	sw	21.3	DXRIK	*11.50	. 7.46	A = 8 304m	+12.25
						34.7	STERLING		19.0					
A = 10.25 km	* 9.35 ²⁹⁰	* 6.20280 7.25	11.10290	63	225	87.2	BURLINGTON B	BU	16.5	R DN CO WYX IK	11.30279	7 3 0259 6 5 0	. 7.20	1. 12.01fm
	*11.05	▶ 7.33	11.38		16	40.0			13.7		∗10.46	• 539	• 7.05	
	f11.15	1 7.40	111.45		7	42.6	FREDONIA		11.1		110.40	1 5 32	1 6 57	
-	*11.25	. 7.47	*11.52		17	64.1	WHITNEY		9.6		10.35	. 5.25	• 6.50	

DRAW BRIDGE FIDAL GO

ANACORTES .

Time Over District Average Speed Per Hour

4.1

RD TW

110.21

10.10Am

290

3 20 16 1

f 5.11

5.00h

280

49.0

235

Special Rules.

Westward trains are superior to eastward trains of the same class.

may pass and run ahead of third class trains. rds are located at Anacortes, Burlington and Rockport.

111.45

A #12 05h

Dally Ex. Sunday

377

2 50

and located at Anacortes, Burlington and Rockport, 30 miles per hour. Freight trains 15 miles

f 8.03

A . 8.15m

Dally

289

19.6

112.08h

A 12.20h

Dally

279

2.55

exceed speed of 25 miles per hour on all curves of 8 degrees and over.

Passenger Service will not exceed a speed of forty (40) miles per hour.

than F5 must not cross bridge 52 near Concrete. F5 and D5 engines must not exceed speed of 10 miles per

than F1 must cross Drawbridge 12 two miles west of Whitney. All trains reduce speed to 10 miles per

will atop on flag at Fidalgo Mill Spur, Summitt Park, Minkler, Superior Ave., East Concrete, Van

of gates at crossing third and fourth districts at Burlington, will be against fourth district trains.

of such at crossing ture and fourth districts at Burnington, while seast of Burlington will be clear the state at crossing Pugget Sound and Baker River Railway two miles east of Burlington will be clear that it. Not necessary to stop when gates are clear and set against P. S. & B. R. Ry. tone half mile west of Sedro-Woolley at crossing of Pacific Northwest Traction Company. Distant

No feether and the west of Section wooling at Crossing of Facinic Post and the signals are located 208 results. Derails are located 58 feet inside of Home Signals.

hat west of Burlington at crossing of Pacific Northwest Traction Company eastward distant signal is west of Burlington at crossing of Pacific Northwest Traction Company eastward united to crossing, has one arm showing caution. Home signals are located 55 feet each way from crossing. Inside of home signals. There is no distant signal for westward trains.

Nos. 290, 280 and 378. 279, 289 and 723.

TERMINAL STATIONS. Anacortes, for trains Nos. 279, 289 and 377. Rockport, for trains Nos. 280, 290 and 734. Burlington, for train No. 728. Sedro-Woolley, for train No. 878.

at Anacortes, Burlington and Sedro-Woolley.

Business tracks not shown as stations on time table.

1 620

Daily Ex. Sunday

378

2.30 8.05

6.00km

Daily Ex. Sunday

724

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Priscoe Spur	1.8 Miles west of Rockport.	West		14
auk Spur	2.0 Miles west of Rockport	West		7
owden's Spur	3.5 Miles West of Rockport	East		9
estes Spur	0.4 Miles East of Faber	Both Ends		301
an Horne's Spur	1.5 Miles west of Faber	Enst		15
ix Spur	1.5 Miles west of Faber	West		24
Ashington Port Cement Co	0.7 Miles east of Concrete	West	CONTRACTOR OF STREET	110
perior Portland Cement Co. Spur	0.7 Miles west of Concrete	East		57
urpee Shingle Spur	0.4 Miles west of Grassmere	West		5
irby Spur	1.5 Miles east of Birdsview	West		2
vman Lbr. Co	2.0 Miles east of Birdsview.	West	750	17
L. Spur	0.2 Miles west of Hamilton	West		2
op Ranch Spur	0.8 Miles east of Lyman	West		3
tagit Mill Co. Spur	Lyman	West		39
unean Spur	1.0 Miles east of Cokedale	West		2
inkler's Mill.	3.0 Miles east of Cokedale Jet	Both Ends		13
aund Iron Spur	Woolley	West	1000000000000	7
olbrook's Spur	0.4 Miles west of Woolley	West.		8
urlington Mill Spur	0.6 Miles west of Burlington	West		8
allahan-Abbott Spur	Fredonia	West		7
ravel Pit Spur	5.9 Miles east of Anacortes	West		14
idalgo Island Shingle Co. Spur	4.6 Miles east of Anacortes	East		2
og Rollway	2.7 Miles east of Anacortes	Both Ends		21
idalgo Mill Spur	2.1 Miles east of Anacortes	East		4

SECOND (CLASS.	of	acity Side		Time Table N. 2				SECOND CI	ASS.
	385	Tre	ecks	from	Time Table No. 3	Celle	an and an	SIGNS.	386	1
-	Mised Daily Es. Sunday	Passing Tracks	Uther	Distance Bumes.	STATIONS.	Telegraph	Pletance	See Rule 2, Page 18.	Mixed Daily	
1	L 9.30to			0.0	SUMAS, WASH	8U	-	R D W C	Ex. Sunday	-
				0.0	INTERNATIONAL BOUND'RY		46.5		10-13	-
	9.31	26	3	0.1	HUNTINGDON	-	48.4	w	• 10 14	_
	• 9.45	40	21	3.6	ABBOTSFORD	FS	42.9	R D W	10.00	
	10.00		7	8.1	SAREL		38.4		. 905	
	10.20	62	21	12.7	ALDERGROVE		23.8	D	· 8 50	
	+ 11.00	26		16.9	ofter		29.6		. 825	
	+ 11.25	64	18	21.6	LINCOLN		34.0	' w	. 7.55	
	• 12-15ħm	64	38	29.4	CLOVERDALE	CL	17.1	D XY	. 7.25	
	112-40	_	5	33,4	ALLÜVIA		15.1		. 7.10	
	112-50	_	5	34.9	souTHPORT		11.6		1 7.05	
-	1 12.55	_		35.9	COLEBROOK JCT		10.6	Y	1 7.01	
-	. 388	6.5	89	35.9	COLEBROOK	o	10.6	R DN W	. 7.38	
	1 358	_	_	36.7	QUICHON LINB JCT		9.8		1 6.25	
	1 425	_	9	42.7	INVERHOLM		3.8		t 6.00	
-	1 445	_	6	45.1	LADNER		1.6		f 5-50	
	A # 5 DOFm	_	10	46.5	аизсном		0.0	R Y	L 5.454s	
-	Ex. Sunday	_							Daily Ex. Bunday	
	385 10.30 10.3				Time Over District				386	

WESTWARD.	SIXTH DISTRICT-	-ABBOTSFORD	TO KILGARD.	EASTWARD.	11

.	SECOND CLASS	Cape of S	ide ide		Time Table No. 2				SECOND CLASS
	387		-	from	Affective July 11: 1576	1	2-	SIGNS	388
L	Mixed	11	Other	Distance		ersph	Distance	See Rule 2, l'age 15	Mined
Į,	Tureday and Friday	25	45	200	STATIONS	į	Plat		Tuesday and Friday
				0.0	CANNOR	CR	14.7		
	L 9.40Am	40	5	9.7	KILGARD		8.0		1 9 40 17
	A # 10.00Am	37	31	14 7	ABBOTSFORD	FB	0 0	R D W	t. 9 20#
	Tursday and Friday		-						Tuesday and Foday
	387								388
ľ	13.2				Time Over District Average Speed Per Bour				17 20

Special Rules.

Eastward trains are superior to westward trains of the same class.

Maximum rate of speed for passenger trains between Abbotsford and Kilgard, 20 miles per. hour, freight trains 15 miles per hour. All trains reduce speed to to miles per hour over draw span Bridge 177 over Sumas River.

Classes D-5 and F-1 Engines are heaviest permitted between Abbotsford and Kilgard. Normal position switch Abbotsford Junction is for fifth district.

All trains sixth district will protect against all trains fifth district between Abbotsford and Junction one half mile east of Abbotsford.

INITIAL STATIONS. Kilgard, for train No. 387. Abbotsford, for train No. 388.

TERMINAL STATIONS. for train No. 388. Abbotsford, for train No. 387.

Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	CAR
Kilgard Brick Spur	at Kilgard	West	12

Special Rules.

Eastward trains are superior to westward trains of the same class.

Bulletin boards are located at Sumas and Colebrook.

Maximum rate of speed for all trains between Guichon and Cloverdale, 15 miles per hour, Cloverdale and Abbotsford 20 miles per hour. Abbotsford and Sumas 15 miles per hour,

All trains will reduce speed to 10 miles per hour over draw bridges.

Classics D. 5 and F-1 Engines are heaviest permitted between Sumas and Guichon.

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 Jct. and Guichon Line Jct. Eastward trains approaching Yale road crossing, which is first crossing east of Lincoln, will reduce to speed of 10

INTERLOCKING governing B. C. E. Ry. crossing. Cloverdale, B. C. Distant signal on north side is located 2,500 feet from crossing. Home signal is located 75 feet from crossing. Home signal on south side is located 15 feet from crossing and distant signal 1,500 feet from crossing. Derails are placed five feet inside each home signal.

INITIAL STATIONS.

Guichon, for train No. 386. Sumas, for train No. 385.

TERMINAL STATIONS. Guichon, for train No. 385. Sumas, for train No. 386.

YARD LIMITS.

Cloverdale yard limits extend to yard limit board at point about 2 miles north of Cloverdale on old line and to yard limit board at point about 1 mile south of Cloverdale on old line.

Business tracks not shown as stations on time table.

	NAME	LOCATION	OPENS	CAPACITY
	Gowdy Road Spur	1.5 Miles east of Ladner	West	5
	Patterson's Spur	0.9 Miles east of Inverholm	West	7
	Smith Road Spur	2.0 Miles east of Inverholm	Both	7
		3.0 Miles east of Inverbolm	Both	7
	Embree Road Spur	2.8 Miles west of Colebrook	Both	7
	Oliver Road Spur	1.7 Miles west of Colebrook	West	4
	Gravel Pit Spur	0.7 Miles east of Alluvia	West	16
	Surrey Spur	1.1 Miles west of Cloverdale	West	3
	McNair Spur		South	2
	David Bell Co. Spur	1.5 Miles north of Cloverdale	South	. 9
	remaining Lor. Co. Spur	1.4 Miles west of Lincoln	West	15
	Me Nair Spur No. 2	1.0 Miles west of Lincoln	East	2
	Lincoln Lbr. Co. Spur	0.0 Miles east of Lincoln	West	30
	Clark's Spur		West	2
	Rarie Spur	1.0 Miles east of Otter	West	7
	Otter Shingle Co. Spur	at Otter	East	13
m 14. P.	Aldergrove Lbr. Co. Spur	at Aldergrove	East	20
Comma Larcos	Singer Mill No. 2	1.0 Miles east of Aldergrove	West	3
	Pien Trap Pit	1.5 Miles west of Pinegrove	West	40
	Abboutord Timber Spur	0.8 Miles west of Abbotsford	East	4

Maximum Clearance Table to be observed in the loading of material on open cars.

							L	IMIT	OF LO	DAD—	MEAS	UREM	ENT						
For Points Between						WII	DTH C	F LO	D AT	HEIC	HT A	BOVE	TOP	OF RA	IL				
For Points Detween									IDT									imum	Max-
	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"	7'0"	7'6"	8'0"	8'6"	8.0,,	9'6"	10.0,,	10'2"	10'6"	11'0"	11'6"	Hgt.	Wdth
Lines East of Cut Bank except								н	EIGH	Т						- 60			
Pacific Junction to Butte	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	17'0"	16'0"	18'0"	11'6"
Cut Bank to Spokane	17'0"	17'0"	17'0"	17'0"	16'8"	16'4"	16'0"	15'9"	15'6"	15'3"	15'0"	14'8"	14'4"	14'3"	14'0"	13'0"	12'0"	17'0"	11'6"
Spokane to Seattle	17'0"	17'0"	17'0"	17'0"	16'8"	16'3"	15'9"	15'6"	15'3"	15'0"	14'9"	14'6"	14'0"	13'10"	13'6"	13'0"	12'0"	17'0"	11'6"
Seattle to Vancouver, B. C	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	17'9"	17'6"	17'3"	17'0"	16'10"	16'6"	16'0"	15'3"	18'0"	11'6"
Seattle to Portland	19'0"	19'0"	19'0"	19'0"	19'0"	18'7"	18'1"	17'10"	17'4"	17'1"	16'9"	16'4"	15'11"	15'10"	15'5"	15'0"	14'6"	19'0"	11'6'
Pacific Jct. to Great Falls	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	17'9"	17'6"	17'3"	17'0"	16'9"	16'6"	16'5"	16'3"	16'0"	15'6"	18'0"	11'0'
Great Falls to Helena	16'0"	16'0"	16'0"	16'0"	16'0"	15'8"	15'4"	15'2"	15'0"	14'8"	14'4"	14'0"	13'0"	12'8"	12'0"	11'0"	10'0"	16'0"	11'6'
Helena to Butte	17'0"	17'0"	17'0"	17'0"	17'0"	16'8"	16'4"	16'2"	16'0"	15'9"	15'6"	15'3"	15'0"	14'11"	14'9"	14'6"	13'6"	17'0"	11'6'
Spokane to Vancouver, B. C. via Marcus and Brookmere.	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	18'0"	17'9"	17'6"	17'3"	17'0"	16'6"	16'4"	16'0'	15'0"	14'0"	18'0"	11'6'
Spokane to Port and via S. P. & S. Ry	21'0"	21'0"	21'0"	20'9"	20'6"	20'2"	19'9"	19'7"	19'4"	19'2"	19'0"	18'8"	18'3"	18'2"	18'0'	17'9"		21'0"	11'0'

*Except Minneapolis Junction to Clearwater Junction and University Switch to Union Depot Junction via Stone Arch, which limit heights to 16'6" and 17'3" respectively.

BILLING INSTRUCTIONS.

As per Rules 114 and 198 of Instructions to Agents, waybills should not be issued for the movement of cabooses, had order cars on their own wheels or empty freight cars, either system or foreign. Empty car slip, Form 300, should be used for this purpose. When moved in revenue freight trains, the following described equipment should be waybilled on D. H. Co. waybill, Form 16, at the weights shown below:

me west		0 m m m m m m m		Pounds		Pounds
Salvane	of had	order cer			Dosers	
Deed e	neinee			Actual weight	B. & B. outfit cars	28,000
Steam	hovels.	60 ton		120,000	First class coach (wood)	86,000
11	44	65 ton	• • • • • • • • • • • • • • • • • • •	130,000	Second class coach (wood)	
"	**				Coaches (steel)	
**	**				Tourist sleepers	84,900
Pile Dr	iwara				Sleepers	111,800
		35 ton	• • • • • • • • • • • • • • • • • • •	121,400	Diner	106,400
Dernek	Care,	50 ton		180,400	Parlor	
**	**	60 ton		163 500	Baggage	65,000
**					Mail	114,700
**	**				Baggage and express	96,900
**			*******************		Express refrigerator	76,500
Dotam	nlows	(95007 and	95008)	200,000	Pass, and baggage	50,800
Rotary	plows	(othern)		127,000	Mail and baggage	57,000
Library	brows	(Others)			Mail, baggage and express	109,000

NOTE—The weights shown for steam shovels are net. If shipment includes a boom, 20,000 pounds should be added. If dipper and dipper sticks are included, 10,000 pounds should be added.

These instructions do not apply when equipment is moved in work trains.

				L1S-1 1908-1	19 0 2-19	03-	Ol.	L 1-	1900-19	21	CI	"01"	1806- 3020- 1750-	3069		Superb	1140-11 ceated	99	Cla	F5-10 F5-1	095-109 100-110	9	CI.	G3	700-719 720-769	3		D5-			C	lass D-	300-39	5			
STATIONS	Rulin	1	-	2	3	•	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
. Skykomish	1.0	17	00 1	1530	1360	1275	1600	1440	1280	1200	1550	1400	1250	1170	1350	1220	1090	1025	1200	1080	960	900	1000	900	800	750	775	700	625	600	7 A. C.						
to Cassade Tunne	4 2.2	9	00	810	720	675	850	765	680	640	700	630	560	530	625	565	500	470	600	540	480	450	480	435	395	360	360	325	290	250		100	-			8	
unnel to Leavenwo	orth. Down	25	00 2	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	1250	1250	1250	1250	900	900	900	900		****		***	1000		
th to Cascade Tur	noel 2.2	9	00	810	720	675	850	765	680	640	700	630	560	530	625	565	500	470	600	540	480	450	480	435	385	360	360	325	290	250		****					
Delta	0.8										3500	3150	2800	2630	2850	2570	2290	2100	2500	2250	2000	1875	2000	1800	1600	1500	1500	1350	1200	1125				7.04			
	0.4										4000	3600	3200	3000	3000	2700	2400	2250	2750	2480	2210	2080	2300	2070	1840	1730	1800	1620	1440	1360		her	-	18.83	**	****	
unnel to Skykomis	h Dow	a 25	000 2	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	1250	1250	1250	1250	900	900	900	900			5000				
to Delta	0.6														2600	2340			2300			1730				1270			1040	975	****	11.00	1.00	****			4545400
ellingham	0.4											****			2800	-	G. H. S. S.	2100		2250		1875					2000			.1130		***		1.071		100	
iold Bar	0.4	38		3150			3800			2630		-			2800										1440					1130					1111	****	6336
to Delta	•	40	000 3	3600	3200	3000	4000	3600	3200	3000	3800	3150	2800	2630	3200				3000				-553	1980						1200		****					****
te Vancouver	1.1			• • • • •															1300				1000	900	800	750	775	700	625	600				****			****
to Bellingham	1.1					****						••••			1500		I Bearing		1300	2000	1040	975	1000	900	800	750	775	700	625	600							****
to Rockport	0.8												• • • • •		1625				1425			1000		990	890	800	960	865	770	670	850		680	595			
to Anacortes	1.0														1550	1400	1275	1200	1350	1250	1100	980	1020	950	850	725	800	725	650	620	650	600	550	500		****	
		111																****																		****	
																																	**				

WEATHER RATING \[\begin{cases} 1\to \text{When temperature is 25 degrees above zero or over 2\to \text{Very frosty or wet.} \end{cases} 5 to 25 above zero. \]

WEATHER RATING {3—Pive degrees above to 10 below sero

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

	Weight	ts of	E	m	pty	, 1	F	ol	rh	t	C	81	1					
oz Cars, 25	8 to 30 fc	ot															11	T
or Cars. 33	foot																12	т
OF Cars. 34	foot																13	1
OE Care, 3	foot																15	T
ox Care, 40	foot																17	1
efrigerator	Cars																20	Ī
xpress Ref	rigerator	Care			• •	-	* -		-					4			33	ī
urniture C	- 30 to	40	-		•••	•••	• •	•••	•••	•	٠.	٠.	•		•		17	ĩ
urniture C	ATS, OU U	10	100	•		٠.	٠.		• •		•••	•••	•	٠.	•	•••	10	i
urniture C	are, so to	9 90	100	• • •		• •	٠.	• •	٠.	٠	••	• •	*	• •	٠	• •	17	ń
aboones, 8	wheel				• •			• •			• •	• •		• •		• •	11	å
aboonen, 4	wheel										٠.	٠.	٠	• •		• •	10	4
lat Cars, 2	8 to 30 f	oot.									••	٠.				• •	.,	3
lat Care, 3	3 and 34	foot									٠.		٠			• •	11	3
lat Care, 4	0 foot																12	7
Coal Care											٠.		٠			٠,	12	1
londola Ca	ra																13	7
re Cars, W	lood																12	7
re Care, 8	tool																15	1
il Tanks																	15	9
allast Car				• •													12	9
team Wree	h		• • •	•••	• • •	•		•		٠.				•			75	ŕ
The follo	rete		• • •	••	٠: ٠			• •	٠.,	• •								

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.

Welsh	ts of 1	Passana	er Ea	ulpment.

	Wooden	Steel Under- frame	Steel
Postal Cars,			922
Nos. 1 to 21	****		67 Tons
Nos. 90 and 91	****		48 Tons
Nos. 50 to 69	54 Tons	****	****
Nos. 107 to 114	43 Tons		
Baggage and Mail.			
Series 300 and 400	26 Tons		
Series 500 and 600	45 Tons		
Series 700	60 Tons		
Beries 800	00 1000	60 Tons	
Baggage and Express,		00 1000	
Nos. 1000 to 1027	25 Tons		
Nos. 1050 to 1089	50 Tons		
Nos. 1000 to 1009	90 1 ons	60 Tons	
Nos. 1100 to 1119		90 Tons	
Nos. 1588 to 1702	55 Tons	200	1.4.4.1
Express Refrigerators,			
Nos. 1900 to 2097	Have weigh	ta stenciled	OD CATS.
Passenger and Baggage,			
Nos. 2100 to 2201	25 Tons		4040000
Coaches,	A CANTON A		
Nos. 3000 to 3241	27 Tons	****	
Nos 3250 to 3606	48 Tons		
Nos. 3700 to 3724		52 Tons	

Weights of Passenger Equipment—Cent.

	Wooden	Steel Under- frame	Steel
Coaches Cont.	Towns const		
Nos. 4000 to 4012	36 Tons		****
Nos 4013 to 4060	41 Tons		
Nos. 4100 to 4159	51 Tons		
Nos. 4200 to 4317	59 Tons		
Nos. 4500 to 4529			70 Tons
Tourist.	35.55.5	-70.00	
Nos. 6520 to 6567	43 Tons		
Nos. 6568 to 6611	52 Tons		****
Diners,			100000
Nos. 7010 to 7015	50 Tons		
Nos. 7030 to 7041			
Nos. 7100 to 7131	61 Tons		
Parlor Cars.			
Nos. 7500 to 7571	45 Tons		
Nos. 7572 to 7604	60 Tons		
Sleepers,	200507		
Nos. 8000 to 8456	60 Tons		
Compartment-Observation,			
Nos. 9001 to 9035	63 Tons		
Business Cars,		100000	
Average Weight	40 Tons		

Weights of Dead Engines and Tanks.

Engines numbered	below 200 series 80 Ton
Engines numbered	in 200 series 90 Ton
Engines numbered	in 300 series \$6 Top
Engines numbered	in 400 series
Engines numbered	in 500 series
Engines numbered	in 600 series
Engines numbered	l in 700 series
Engines numbered	in 800 series
Engines numbered	in 900 series (except 992 to 997) 115 Top
Engines numbered	992 to 997 95 Ton
Engines numbered	1 1000 to 1007
Engines numbered	1050 to 1069
Engines numbered	1079 to 1095
Engines numbered	in 1100 and 1200 series
Engines numbered	in 1300 series
Engines numbered	1 1400 to 1405
Engines numbered	1 1406 to 1425
Engines numbered	in 1500 and 1600 series
Engines numbered	in 1700 series
Engines numbered	in 1800 series
Engines numbered	in 1900 serios
Engines numbered	in 3000 series:
Engines numbered	1 1750 to 1764
El-de Mest Co	pty)

Seed Tabl

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.
46 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 24 seconds.
20 miles per hour is equivalent to one mile in 3 minutes and 0 seconds.
15 miles per hour is equivalent to one mile in 3 minutes and 0 seconds.

П No. I TT

Home Signal.

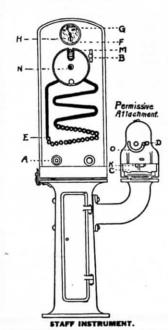
Upper Arm RED light at night. Color. Lower Arm RED light at night. STOP. Proceed only when Signal Indication.

STOP Signal.

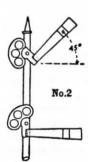


Distant Signal.

RED light at night. Color STOP then proceed with caution to Indication. Home Signal. STOP Signal. Name



ELECTRIC TRAIN STAFF BLOCK SIGNAL DIAGRAMS.



Home Signal.

Opper Arm, YELLOW light at night. Lower Arm, RED light at night.

Proceed on main line with caution, be prepared to stop at the Block

CAUTION Signal. Name.

No. 7

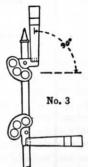
Distant Signal.

Color. Indication. Name.

Color.

Indication

YELLOW light at Night.
Proceed with CAUTION prepared to stop at Home Signal.



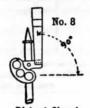
Home Signal.

Upper Arm GREEN light at night. Lower Arm, RED light at night. Main line route clear staff in crane

PROCEED. CLEAR Signal Name

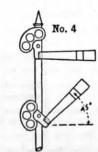
Color.

Name



Distant Signal. GREEN light at night.

Indication. PROCEED, Staff in Crane CLEAR Signal.



Home Signal.

Upper Arm, RED light at night.
Lower Arm, YELLOW light at night. Take Passing track.

Indication. Name. CAUTION Signal.



Pouchforpermissive Pouch for permissive

staff disc. STaff complete

D

POUCH FOR ABSOLUTE STAFF.

GENERAL INSTRUCTIONS

OPERATING TRAIN STAFF INSTRUMENTS.

TO REMOVE STAFF FROM MACHINE.

Instructions to Operator removing staff.

Press bell key "A" once ©. Answer will be two © taps.

Press bell key "A" three © times. Then watch current indicating needle
"F" until it deflects to the right.

Turn preliminary spindle "B" to the right as far as it will go and then release it, permitting it automatically to return to its former position.

A white disc will appear in place of the red one at "H". This indicates that

A white disc will appear in place of the red one at "H". This indicates that staff is ready to be removed.

Move end staff "E" up to vertical slot into engagement with guard "N".

This guard having been turned so that the staff will slip into the slot in the edge of the guard "N."

Revolve guard "N" using staff as a handle and withdraw the staff through the opening at "M". This operation moves staff, indicating needle "G" from "Staff in" to "Staff out."

Immediately upon withdrawal of staff, press bell key "A" once. This is absolutely necessary.

Instructions to Operator aiding in removal of a staff.

1st. Upon receipt of one ring acknowledge same by two pushes on bell key "A."
2nd. Upon receipt of three rings, press bell key and hold it so until staff indicating needle "F" moves from left to right Twice then release key "A" as operation is complete.

TO REPLACE STAFF IN THE MACHINE. Instructions to Operator replacing staff.

Turn outer guard "N" to place and insert staff in the opening "M."
Using staff as handle revolve guard "N" to the right and allow staff to roll down spiral into place.

3rd. Press bell key "A" according to signal 1-2 of the bell code. Instructions to Operator at opposite end of Block.

The signal 1-2 of the bell code must in every case be answered in order to place the machines in proper condition for the withdrawal of the next staff.

TO REMOVE THE PERMISSIVE STAFF FROM MACHINE.

Insert solid staff in the opening "D" of the permissive attachment and move to the extreme left of the slot "O."

2nd. Turn the latch "K" and allow door "C" to drop and the permissive staff to

TO REPLACE THE PERMISSIVE STAFF IN THE MACHINE.

Be sure all discs are on the permissive staff in their proper numerical order. Place staff in attachment, close door "C" and latch with "K." Move solid staff to the right thru slot "O" and remove at opening "D."

INSTRUCTIONS FOR OPERATING SEMAPHORE SIGNALS THROUGH CIRCUIT CONTROLLER ATTACHMENT.

CIRCUIT CONTROLLER ATTACHMENT.

To operate Upper Arm of Semaphore 0° to 45° (See Fig. No. 2), turn handle
"T" to the right clockwise to stop "X."
"To operate Upper Arm of Semaphore 45° to 90° (See Fig. No. 3), withdraw
absolute staff and insert into opening "R" and move to extreme left of
slot "8" then turn handle "T" to right to stop "Y," remove absolute
staff from opening "R" and place staff in Pouch "D", Fig. 9. Then
place Pouch in staff crane which action automatically "Clears" Home and
Distant Signals to 99° Position. (See Fig. No. 3 and 8).

To operate Lower Arm of Semaphore 0° to 45° (See Fig. No. 4), turn
handle "U" to the right as far as it will so.

handle "U" to the right as far as it will go.

Bell Code of Signals

To attract attention.

All Right, Yes.

Block wanted, Unlock my Instrument, Aus. by Unlocking or by 5 or 3-1.

Train has entered Block.

Block is not clear.

Has a train entered this Block? Answer by 2 or 2-1.

Clear. Train has cleared Block.

2-1 ---No.

2-2-2 - - - - - Previous Signal given in error. Answer by 2.

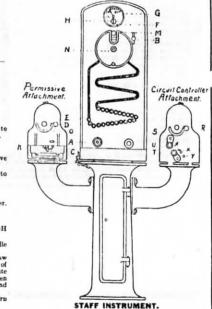
2-4 -- --- Has train Cleared Block? Answer by 5 or 3-1.

Have unlocked. Block is clear. 3-1 --- --It must not be used unless Block is known to be clear.

3-3 --- Train in Block.

5-5-5---- Obstruction in Block. Stop all trains approaching this Station. Answer by repeating

8 ---- Tosting. Answer by repeating.



ELECTRIC TRAIN STAFF BLOCK SIGNAL RULES AND INSTRUCTIONS.

Electric Train Staff Block Signal System in operation between Leavenworth and Skykomich, Everett Jet., and Pacific Ave., and between Delta Wye and Marysville.

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 Instruc-

All trains and engines in both direction will be governed exclusively in their movements by the train

Home and Distant semaphores are located at each block station. Home signals are located at the passing track switches. Distant Signals are located about 4,000 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 dis- 10. played 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 right of track to the next block station. 11.

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 moves his train into a block, and such engine must not be 13. 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. (Seee Rule 21-E.)

A. In the case of an engine pushing a train, it must be 14. 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 (0-0.)

An absolute staff permits but one train at a time to use a block. See D figure No. 9.

6 A. A permissive staff disc permits two or more train in the same direction at one time to use a block on ascending grade only, except westward between Leavenworth and Drury, Winton and Merritt, and eastward between Scenic and Tye. Each train must he in possession of a permissive staff disc before proseeding. See C. Fig. No. 9.

II. Permissive staff discs must not be given to Enginears with light engines or light tonnage trains to follow a passenger train.

Permissive staff complete permits but one train at a time to use a block descending grade only. See B. Fig. No. 9, and Rule No. 22-D.

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 15-C. Before issuing train orders, superseding staff sysstaff to any other than one of these employes.

Staff will be delivered by Engineer on arrival at 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 Conductor. 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 inserting 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 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 position of all signals and be governed accordingly in the moveemnt and protection of their trains. 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 table rights and side track the inferior train when a 21-A. When two or more trains bound in opposite direc-

When it is desired to reverse the right of track, trains will be moved by train Dispatcher's orders on Form 19, issued to Block Operators giving instructions to staff the train that is to receive preferred 21-B. Enginemen and Trainmen may accept an absolute attention, and side track the superior train.

Work trains, after receiving orders authorizing the 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 instructed. 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 21 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, through 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.

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.

tem, 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 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 cancel 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 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 26. operating staff instruments.

tions are at a block station, Block Operator must exercise great care in delivery of staffs and must know that the staff is delivered to the train for which it was withdrawn.

staff (See Rule 3) as authority for a train movement only when placed in a pouch bearing a metal plate upon which is printed the names of the two stations between which the train is to be moved.

21-C. Enginemen and Trainmen may accept a permissive 28. staff disc (See Rule 6-A) as authority for a train movement only when such disc has printed upon it the names of the two stations between which the train is to be moved.

I-D. Enginemen and Trainmen may accept a permissive staff (See Rule 6-C) as authority for a train movement only when such permissive staff has printed upon it the names of the two stations between which the train is to be moved. Block Operator will deliver permissive staff with printed end up in pouch "B" open. Engineer after observing that proper staff has been received will close pouch.

21-E. Block Operator will remain in view until rear end of the train has passed and will then give a "Proceed Signal" to the Trainman thereon, to indicate that the staff has been delivered to the Engineman.

Absolute staffs (See D, Fig. No. 9) must be used for all trains on descending grades, or eastward from Cascade Tunnel to Leavenworth, and westward from Tye to Skykomish.

22-A. Trains moving under authority of a permissive staff disc must protect against following trains as per Rule No. 99. Trainmen will not be required to protect 35. rear of train in staff territory between Skykomish and Leavenworth, when positively known engineer holds 36. a positive staff. When a train stops between stations, engineer if holding permissive staff, will immediately

whistle out flag. If holding positive staff, will not whistle out flag, but a trainman must be on rear of

When two or more trains use permissive staff dises 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

22-C. 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.

22-D. 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 Supervisor.

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 must not use, nor will Enginemen or Trainmen accept pouches, which are defective. Care must be exercised to keep the pouch plugs in good order with clamps, bearing station, names, securely in place. Signal Repairmen must also fre quently inspect all pouches and keep same in good order at all times.

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.

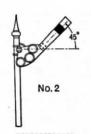
34-A. The Conductor must report to the Superintendent any unusual detention at block stations.

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 person.

AUTOMATIC BLOCK SIGNALS.

- 501. In all cases except as noted by special rules, 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 movement of trains will be regulated by the block Signal indications as follows:
 - A. An arm in the horizontal position (See figure No. 1) indicates that the block is not clear and is a Signal to "STOP."
 - B. An arm in an inclined position (45 degrees above the horizontal) (See figure No. 2) indicates "PROCEED" with caution prepared to stop at the pext signal.
 - C. An arm in the vertical position (90 degrees above the horizontal) (See figure No. 3) indicates that the 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."
 YELLOW indicates "CAUTION;" proceed with caution prepared to STOP at next Signal.
 GREEN indicates "PROCEED."
- 502. Block Signals control the use of the blocks, but unless otherwise provided, do not supersede the superiority of trains; nor dispenswith the use or the observance of other Signals whenever and whereever they may be required.
- 503. Block Signals for a track apply only to trains running with the current of traffic on that track.
 - A. Automatic Signals are designated by the number plate located on the mast below the arm. Intermediate automatic block signals located between passing tracks are equipped with one arm and one light. Home automatic block signals located at each passing track are in addition equipped with a Disc enclosing a red light six feet below the Semaphore arm. The Disc and red light are provided as a distinguishing marker for the home signals only. Trains passing Home Signals, automatically set to the "Stop Position" all Signals governing train movements in the opposite direction from the next passing track. See figures 4, 5 and 6.



INTERMEDIATE INTERMEDIATE
AUTOMATIC BLOCK SIGNAL. AUTOMATIC BLOCK SIGNAL.

No. 1

Color. RED light at night.

Indication. STOP.

Name. STOP Signal.

Color. YELLOW light at night.

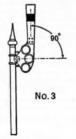
Indication. PROCEED with CAUTION, prepared to stop at next signal.

Name. CAUTION Signal.

- B. Trains holding main track at meeting points must stand clear of passing track lead. Trains proceeding from side tracks, spurs, or other tracks to a main track, must remain clear of the bonded rails and insulated joints on such tracks, until the main line switch has been opened.
- 504. When a train is stopped by a block signal it may proceed when the signal is cleared. If not immediately cleared it may proceed— (See A. B and C):
 - A. On single track, if the block signal is a Home Automatic Signal, at a speed not to exceed 6 miles per hour after obtaining authority from the Train Dispatcher, or preceded by a flagman to the next signal displaying a "Caution" or "Clear" indication expecting to find track impassable.
 - B. On single track, if the block signal is an intermediate automatic signal, at once, at a speed not to exceed 6 miles per hour, except when proceeding under Rule 504-A, expecting to find track impassable.
 Or—
 - C. On double track, at once, under control, expecting to find track impassable.
 - D. A train stopped by a Block Signal must stand facing the signal so that its indication may be observed from the Engine. The forward wheels must not pass the signal.

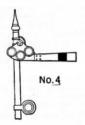
505. Omitted.

- 506. When a train is stopped by a block signal from any cause, Engineman will report to Superintendent, preferably on Form 2600 and operator will transmit in accordance with instructions thereon.
- 507. Lights must be used upon all block signals from sunset to sunrise, and whenever the signal indications cannot be clearly seen without them. At such times if lights are not burning, or if a white light is shown where a colored light should be, trains must ascertain and be governed by the day signal indication before passing signal.



INTERMEDIATE
AUTOMATIC BLOCK SIGNAL.

Color. GREEN light at night.
Indication. PROCEED.
Name. CLEAR Signal.



HOME
AUTOMATIC BLOCK SIGNAL.

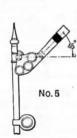
Color. Arm, RED light at night.
Disc, RED light at night.
Indication. STOP.
Name. STOP Signal.

508. In making train movements through cross-over or other switches to or from a main track, one of the switches must be kept open until train movement is completed to insure signal protection.

The opening of any switch will set and hold signal of that block at stop until the switch is closed. The opening of any switch at either end of a double track cross-over will hold signals on both main tracks at stop.

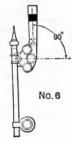
If either end of a siding cross-over on single track is opened, it will set and hold the signals that control the block on main track to which it leads in both directions at stop. Neither switch nor cross-over must therefore be opened, until the movement of the train is to be made, and must be closed immediately after movement has been made and the switches looked.

- 509. Switch Indicators (miniature semaphores) where used stand normally in "STOP" position. Trainmen or others using switches equipped with switch indicators must first push button on bottom of switch indicator case and if no train is approaching switch indicator will clear when switch may be used. The switch should be thrown at once after switch indicator clears.
- 510. When necessary to clean ash pan or cinders from the smoke arch inside of block signal limits care must be taken to avoid dumping live coals or hot cinders on the wooden trunking used to protect the signal track wiring.
- 511. Omitted.
- 512. Cars on side track or other tracks connecting with main tracks must be kept clear of bonded rails and insulated joints as otherwise signals will be held in "STOP" position. All tracks connecting with main track are bonded to clearance point only.
- 513. Interlocking Signals located in districts equipped with Automatic Signals, become, unless otherwise stated under "Special Rules," a part of the automatic block signal system. All such Home Interlocking Signals are equipped with not less than two arms and two lights, see general instructions governing operation and maintenance of interlocking plants and figures Nos. 7, 8, 9, 10, 11 and 12.



HOME
AUTOMATIC BLOCK SIGNAL.

Color. Arm, YELLOW light at night.
Disc, RED light at night.
Indication. PROCEED with CAUTION, prepared to stop at next signal.
Name. CAUTION Signal.



HO ME
AUTOMATIC BLOCK SIGNAL.

Color. Arm, GREEN light at night. Disc, RED light at night. Indic.tion. PROCEED. Name. CLEAR Signal.

Trains or engine may be run to but not beyond a signal indicating "Stop," except as provided in Rule 663

If a Clear or Caution signal, after being accepted, is changed to "Stop" signal before it is reached, the stop must be made at once. Buch occurrence must be reported to the Superintendent.

Enginemen and Trainmen must not proceed on hand signals as against interlocking signals until they are fully informed of the situation and know that they are protected, and then only when the prescribed hand signal is given as per Rules 620 and 620-A.

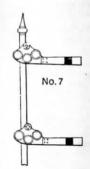
The Engineman of a train which has parted must sound the whistle signal for "train parted" on approaching an interlocking

An Engineman receiving a "train-parted" signal from a Signalman must answer by the whistle signal for "train parted."

When a parted train has been re-coupled the Signalman must be notified

The speed of trains through the home signal zone of interlocking plants in use at railway crossings, railway junctions or draw bridges is restricted as follows:

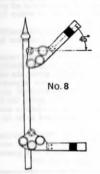
(h) Passenger trains holding main line route shall not exceed twenty-five miles per hour.



INTERLOCKING HOME SIGNAL.

Upper Arm, RED light at Lower Arm, RED light at

night. signal clears or upon prescribed hand signal from Signalman. Hame. STOP Signal

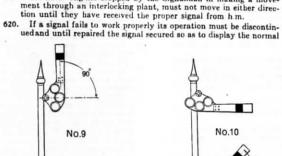


INTERLOCKING HOME SIGNAL.

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

Indication. Main line route clear, proceed

with CAUTION, prepared to stop at next signal. CAUTION Signal.



at interlocking plants.

miles per hour.

miles per hour.

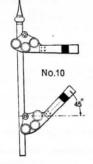
per hour.

INTERLOCKING HOME SIGNAL.

Upper Arm, GREEN light at night. Lower Arm, RED light at

night.

Indication. Main line route clear, PRO-CEED. Name. CLEAR Signal.



INTERLOCKING SIGNALS

(c) Passenger trains taking diverging route shall not exceed fifteen

(d) Freight trains holding main line route shall not exceed eighteen

(e) Freight trains taking diverging route shall not exceed ten miles

(f) All trains moving against the current of traffic on double track or

(g) Conditions may require a further speed restriction for all trains

667. Sand must not be used over movable parts, or ashes dumped

668. Conductors must report to Superintendent any unusual detention

669. Trains or engines stopped by the Signalman in making a move-

at draw bridges or other points as per special rules.

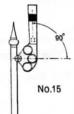
within the limits of an interlocking plant.

wherever governed by dwarf signals shall not exceed eight miles per

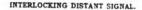
INTERLOCKING HOME SIGNAL.

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

Indication. Diverging route clear, proceed with CAUTION. Name. CAUTION Signal.



YELLOW light at night Indication. PROCEED with CAUTION prepared to stop at Home Sig-



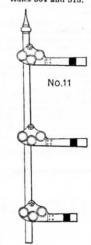
GREEN light at night Indication. PROCEED. CLEAR Signal.

indication. Under such circumstances Signalmen must be governed as per Rule 623 and in addition will require all trains to make a full stop before giving band signal to proceed. Signalmen giving proceed hand signals must use a yellow flag by day and a yellow light by night.

620A. Signalmen giving hand signals must do so from the center of the track upon which the train movement is to be made. When more than one train is in sight hand signal must be given from a point not to exceed one hundred feet in advance of the locomotive.

623. If there is a derailment, or if a switch is run through, or if any damage occurs to the track or interlocking plant, or if any part of the interlocking apparatus fails to operate properly, the signals must be restored to the normal position, and no train or switch movement permitted until the track and interlocking parts liable to con equent injury or failure have been thoroughly examined and are known to be in safe condition.

Note. A flag signal given by Signalman at an interlocking home signal in automatic signal districts is only authority to pass such signal and does not modify its indication as an automatic signal. See Rules 504 and 513.



INTERLOCKING HOME SIGNAL.

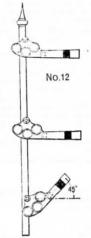
Upper Arm, RED light at Middle Arm, RED light at Lower Arm, RED light st night.

Indication, STOP, Proceed only when signal clears or upon prescribed hand signal from Sig-

STOP Signal.



DWARF SIGNAL. RED light at night. Indication, STOP. STOP Signal.



INTERLOCKING HOME SIGNAL. Upper Arm, RED light at

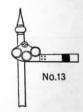
Middle Arm, RED light at Lower Arm, YELLOW light at night.

Indication. Slow speed route clear, proceed with CAUTION.

CAUTION Signat.



DWARF SIGNAL. Color. YELLOW light at night. Indication. PROCEED with CAUTION. CAUTION Signal.

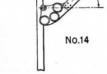


INTERLOCKING DISTANT SIGNAL.

Color. RED light at night.

Indication. STOP, then proceed with CAUTION, prepared to stop at Home Signal

STOP Signal.



INTERLOCKING DISTANT SIGNAL.

Name. CAUTION Signal. and cabooses.

SPECIAL RULES.

REFERENCE MARKS

2. In addition to signs provided in Rule 7, Book of car inside of clearance points, and does not allow for engines Rules, the following signs in column headed "signs,"

> P-Dispatchers' telephone, accessible at all times. I-Interlocked.

K-Connection with foreign road.

.-Standard clock.

-TONGA Mill Som

Cascade Tunnel, east passing track lead and molor Tye, west end industry Tye, west end industry track, and at west end No. 3 track outside shed, and west end No. 1 track.

Corea, west end industry. Scenic, industry track. Alpine, industry track and mill spur. Grotto, industry track and mill spur. Skykomish house track.

DERAN SWITCHES Jalle Comuna Cos traca Index, industry track. Reiter, west end industry track. Pacific Avenue, Brewery spur, Frye-Bruhn spur. Everett, power house spur. Skagit Crossing, English Log spur. Mt. Vernon, Pacific Northwest Traction Co. transfer. Bellingham B. & N. transfer. Ardley, power house transfer. Ferndale, industry track. Abbottsford, east end of passing track,

but Bellercham Here

PERSONAL INJURIES.

1. 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 of the case.

No surgical operation must be performed until the arrival of the Company surgeon, unless it may be re-

quired for the immediate safety of the patient.

1. Car capacity of passing tracks based on 42 feet to the

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 sleepers.

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.

4. 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 injured 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 and 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, town 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, too's or 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 terminal by the inspector, foreman, or Master Mechanic at such point, the Superintendent to notify such person 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.

Dr. J. A. Quinn, Chief Surgeon, Room 124 Great Northe Boeckm an and Boeckman, Ophthalmic Surgeons, 642 Lo	ern Building, St. Paul.
T	owry Building, St. Paul.
Leavenworth	DR. G. W. HOXSEY.
Index	DP O P VOSS
Sultan	DR O B VOCE
Monroe	DR. U. R. VUSS.
Present	DR. H. K. STOCKWELL.
T. delt	DR. C. A. MEAD and W. T. FLYNN.
Interday	DP D I M-CHDDV
Seattle	DP I C MOODE
Seattle	DD. D. MOURE,
	DR. R. W. PERRY, Oculist.
Everett Interbay Seattle Seattle	DR. C. A. MEAD and W. T. FLYNN. DR. R. J. MCCURDY

Portland, Ore	DR. R. C. McDANIELS, 923 Electric Bldg
I acoma	DD LIMPO I II GIO.
Durington	DD II D OF BURY
Deningnam	DD W A KIDKDICK
New Westminster	DD CEO B BBBB
vancouver	DP A C MONDO
Anacortes	DR. A. S. MONRO. DR. H. E. FROST.

Vol. Which INSPECTORS.

	TIME I
Leavenworth	P. D. CADIOTION
Goattie	W W HOHOUTON LOONS B. II.
Burlington	THE CROSSES & SUNS, Frye Hotel.
Everett	J. H. CROSSBY.
Rallingham	ROBT. ANDERSON.
Bellingham.	WILBER GIBBS.
New Westminster, B. C	W C CHAMPERIAIN
Sumas	HENDRICKSON BROS

Vancouver, B. C
DICHARD WELTH
Cacoma, Wash ROBERT MeDONALD. Centralia, Wash RICHARD VEATH. Partland One BEN SALICK.
REN SALICK
Portland, Ore
Portland, Ore
Monroe, wash
Jancouver West
Ancouver, WashJOS CARTER
CI

E. O. WADHAMS, Dispetcher.

T. H. REED, Dispetcher. C. O. JOHNSON, Dispatcher.

H. L. CAULKINS, Dispetcher. G. E. WELLEIN, Disputcher. N. WELLEIN, Dispatcher.

H. W. FISH, Dispatcher. C. E. LAMKIN, Dispatcher. C. E. McKILLIPS, Dispatcher. D. MOORE, Asst. Chief Dispatcher. J. C. DEVERY, Chief Dispatcher.

M. J. WELSH, Trainmaster. P. M. LONG, Trainmaster. J. E. GOUDIE, Trainmaster.