# Inited States Railroad Administration

WALKER D. HINES, Director General of Railroads

GREAT NORTHEN RAILROAD



CASCAD

SION.



TIMETA

TO TAKE EFF

SUNDAY, FEBRU Y 23, 1919.

Superseding Time Table No. 3

THIS TIME TABLE IS FOR TH

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LOCK A. M.

ements thereto.

EMPLOYES ONLY.

C. McDONOUGH, Superintendent.

J. M. DOYLE, Asst. General Superintendent.

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

F. J. GAVIN, General Superintendent.

C. O. JENKS, Asst. General Manager.

WESTWARD.						1		LEAVENWORTH TO EVE			CAUTION.				LA	STWARD	·
SECOND CLASS			IRST CLASS	1	12	Capacity of Side Tracks		Time Table No. 4						FIRST CLA	SS		
401	1	297	27	285	25	Tracks	from	In Effect February 23, 1919	5	from	SIGNS	28	26	300 (N. P. 442)	286	2	2 4
Past Freight	Passenger	N. P. 441 Passenger	Part Mail	Passenger	Passenger	President Other	tano.		4	Distance	See Rule 2, Page 18.	Espress	Passenger	Passenger	Pamenger	Passenger	
Daily	Daily	Daily	Daily	Daily Ex. Sunday	Daily	14 St	23	STATIONS	1 12	500		Daily	Daily	Daily	Daily Es Sunday	Dally	
Lr 3.00M	u 2.20m		Lr 6 00 km		t 2.35km	60 492	0.0	LEAVENWORTH	СН	109.5	Re DN WCTYOF	Ars 6 00km	Ars 2.45h		1	Ars 1.20m	
3.22	2.30		6.10		245	75	3.2	TUMWATER	A	106.2	DN F	5.48	2.30			1.09	
3.40	2.38		6.17		2 54	75	6.3	DRURY	DY	103 2	DN F	5.40	220			100	
4.15	1 2.50		6.27		1 3.05	*82 21	105.6	CHIWAUKUM	CY	99.0	DN W I	5.30	1 2.10			12 50	
4.32	1 2 59		6.35		3.15	76 10	18.0	E SINTON	wı	96.5	DN F	5.23	1 2.04			12.44	
4.47	1 3.10		6.47		3.24	77 6	17.5	NASON CREEK	NC	92.0	DN F	5.10	1 1.55			12.32	
5.02	. 3.17		6.55		• 3.30	e79 e76 6	20.8	MERRITT	CE	89.0	DN W Y F	5.02	1 1.48			12.26	
6.00	3.35		7.10		3.45	80	24.9	gaynor	GR	84.6	DN F	4.45	1.39			1216	
6.25	3.44		7.19		3.59	e77 w84 4	28.0	BERNE	BR	81.5	DN W F	4.35	1.31			12.07km	
7.35	• 4-10		• 735		4 4.17	e92 w99 88	32.3	ZCASCADE TUNNEL	CN	77.2	DN WCT P	25 4.17	1.20			11.55	
8.00	4.25		• 7.48		· 4.30	85 200		A TYE	WN	73.6	DN WC P	4.02	1.03			11.38	
8.20	1 4.37		7.58		4.40	65 21	20.5	2 3.6 EMBRO	NY	70.0		3.45	112.50		-:-	11.19	
8.35	4.46		8.06		4.48	76 17	42.2	COREA	co	67.3		3.35	1240			11.08	
9.00	• 4.57		8.15		• 4.58	76 10	45.2	SCENIC	MA	64.3	DN W P	. 3.25	12.30			10.55	
9.15	1 5.08		824		1 5 0	79 9	48.3	ALPINE	NI	61.2	DN W P	3.10	112.15			10.40	
9.30	5.15		8.33		-	6 12	51.8	3.5 TONQA	a	57.7	DN P	2.55	12.03h				
18.58	• 5:30		• 848	L 6.50kg	5.30	63 178	57.0		KY	-	Re DN WC Y P	2.35	-11:48			10.28	
10.25	5.45		8.56	1 7.00	5.44	76 7	61.1	grotto	-	48.4	Re DA HE I P				Ars B.10fm		
10.40	6.55		9.06	• 7.12	5.53	86 51	66.1	5.0	5A	43.4	D W P	222	11.32		1 7.58	9 55	
11.10	■ 6.07		9.16	. 724	6.03	74 17	71.2	MALFORD	-	-	DN P	2.13	11-24 		* 7.45	9.45	
11.30	6.17		9.26	1 7.35	6.12	82 16		8.1	- **	_		200			• 7.25	9.33	
12 38mm	6.24		9.35			100 815	76.3		-	33.2	W P	1.49	10.54		1 7.08	9.21	
12 SUM	6.28			• 7.44	6.19		80.0	STARTUP	GB	29.5	R DN C Y P		• 1045		• 6.55	9.13	-
100	286 4 6.35		945	1 750	623	71	82.4	STARTUP	RU	27.1	P	1.31	10.37		• 6.43	9.09	
1.00		_	9.53	1 7.59	6.30	77 35	85.8	7.5	80	23.7	D P	1.26	*10.30		• 6.35	9.03	
1.33	• 6.55			■ 8.16	s 6.45	104 35	93.3		RO	16,2	DN W Y K P		110.12		• 6.15	8.47	
2.05		300 and		• 8.33	■ 6.59	76 165	100.2	SNOHOMISH	80	9.3		•12.55	• 9.58	Au 3-50Pm	• 5.57	· 8-32	
2.30m	7.27	Ar 3.40m	10.35	1 843	7.09	78 27	106.0	LOWELL	w	3.5		12.43	9.46	L= 3.40Am	• 5.44	8.21	
	7.30		10.37	1 8.48	7.11	43 140	107.6	PACIFIC AVENUE	D	1.9	DN P	1240	9.43		• 5.40	8.18	
	1 7.43		*10.52	· 8.52	• 7.18	- 1	108.7	EVERETT		0.8	К Р	•12.37	9.40		• 5.37	8.15	
	Ar 7.45m		₩ 10.55Mm	Ar 8.554m	₩ 7.20km		109.5	EVERETT JUNCTION	JM	0.0	R DN P	Lr 12 30km	Lr 9.30ks		L+ 6.30m	L+ 810m	
Ar 3.00m						90 1067	109.3	Via N. P. Ry.	PG	_	Re DNWCTYOKP						
Dally	Daily	Daily	Dally	Daily Ex. Sunday	Daily					_		Daily	Daily	Daily	Daily Ex Sunday	Daily	
401	1	297	27	285	25							28	26	300	286	2	
12.00 9 L	5 25 20 2	34.8	4.55	2.05 25.0	23.0			Time Over District Average Speed Per Hour				8.30 19 1	5.15 21.1	34.8	2.40 19.8	8.10 21.3	100

INITIAL STATIONS.

Leavenworth for trains Nos. 1, 25, 27 and 401.

Everett Jet. for trains Nos. 2, 26, 28 and 286.

Skykomish for trains No. 285.

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Snohomieh for Nos. 297. Lowell for Nos. 300. TERMINAL STATIONS. Leavenworth for Nos. 2, 26, 28. Skykomish for train No. 286. Everett Jct. for trains 1, 25, 27 and 285.

Lowell for Nos. 297. Snohomiah for Nos. 300. Deita, 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.

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 Leavenworth

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 in Passenger Service 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.

0-1 and P-1 engines will not exceed speed of 30 miles per hour between Skykomish and Gold Bar.

All trains will not exceed speed of 25 miles per hour on curves of 8 degrees and over.

Troop trains handling freight cars must not exceed speed of 25 miles per hour. All trains will reduce speed to 15 miles per hour over draw bridges.

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 east 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

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 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 Liver, Baring and Heybrooks spur will be flag stops for trains 285 and 286.

No. 2 will stop at stations between Skykomish and Leavenworth for passengers for Twin Cities and east. Nos. 25 and 26 will stop at Nason Creek and Winton to receive or discharge parcel post mail on request of postal clarks

Except when running in 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.

All trains between Snohomish and Lowell will be handled by Block Card form 80

Westward trains will be prepared to stop at Snohomish and eastward trains will be prepared to stop at Lowell and must not go by, or foul cross-over, until they have block card in their possession.

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

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: Chiwankum and Merritt.

For Business tracks not shown as stations see page 13.

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

NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY	NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY
Grotto Lumber Co G N. Shingle Co.'s S.ding . Baring Heybrook Spur Index, Galena Mill Spur	2 0 Miles west of Leavenworth 1 5 Miles west of Skykomish 0 3 Miles east of Grotto 3 5 Miles west of Grotto 2 0 Miles west of Index 0 5 Miles east of Index 0 7 Miles west of Index	East West East Both ends Both ends West East West	3 cars 1,275 feet	25 24 22	Monroe Gravel Pit Wagner & Wilson Lbr. Co. Spur Woodruff. Sumner Iron Works Spur	1 0 Miles east of Reiter 2 0 Miles west of Sultan 0 0 Miles west of Mource Opens of Monroe Gravel Pit Track 2 0 Miles west of Mource 0 9 Miles east of Pacific Ave 0 1 Miles west of Everett	Both ends West West West Both ends West West	1,620 feet	34 37 110 25 24 25 2

#### LOCATION OF TUNNELS

Tunnel	No	13,	13,873	feet	long, l	heigh	t 19	feet, betwee	n Tye and	d Cascade Tunnel	Tunnel	No.	15.	1.512	feet '	long.	height	18.7	feet	66 miles east of Corea.
44	**	13.1.	1.202	**	**	**	22	" 1.12 m	iles east of	of Embro	11	11	15 0	1 210	44	44	ii.	00.5		1 58 miles east of Seen'c.
**	**	120	450	- 64	**			4 20 11	nice case of	A ASILIOTO.			10.0	1,210				22.0		1 38 miles east of Scenic.
	122	10.2,	408		**	***	22.5	" 20 m	ties east of	of Embro.	**	**	15.3.	815	**	**	**	22.5	44	1 59 miles west of Corea.
	**	14.	274.8	**	"	**	19.1	" 1.18 m	iles west o	of Embro	14	**	16,	2,368.3	**	**	++	22	66	Everett, Wash.

### SECOND DISTRICT-EVERETT JUNCTION TO SEATTLE.

WESTWARD.

THIRD CLASS	SECOND CLASS	Capacity of Side		Time Table No. 4						FIRST	CLASS		
717	401	Tracks	frem	In Effect February 21, 1919	3	357	25	285	277	27	359	1	355
Mdse. Freight	Fast Freight	14 .4	1		da i	Passenger	Passenger	Passenger	Passenger	Fast Mail	Passenger	Passenger	Passenger
Daily Ez. Sunday	Daily	45 SE	NO.	STATIONS	4	Daily	Daily	Daily Ex. Sunday	Daily Ex Sunday	Daily	Daily	Daily	Daily
Lr 1.15Pm	Lr 2.30An			EVERETT JUNCTION	IN L	6.10km	720ml	L+ 8.55An	Lr 9.35km	Lr 10.554n	L 2.00m	L. 7.45m	L. 8.07hm
1.35	2.45	110	3.8	MUKILTEO	u ı	6.19	7 2 7	• 9.03	. 9.43	11.01	2.06	7.53	8.13
1.50	2.55		7.9	Mosher		627	7.34	1 9.11	1 9.50	11.07	2.11	8.00	8.18
2 0 5	3.05		10.9	MEADOWDALE	AD I	6.33	7.40	1 9.17	1 9.56	11.12	2.16	8.07	8.23
2.48	3.25	157	14.8	EDMONDS	DR .	643	747	1 9.24	<b>*10.05</b>	11 20	2 2 2	815	8.30
3.35	3.36	87	17.8	RICHMOND BEACH	R 1	6.51	7.53	f 9.31	10.12	11.25	2.27	8.22	8.35
415	4.16	194	26.9	BALLARD	BD I	7.10	8 09	1 9.48	<b>*10.31</b>	11.40	2.41	8.39	850
Ar 4-30hn	Ar 4.30An	205 633	28.0	INTERBAY	RB 4	7.15	8-15	1 9.53	•10.39	11.44	2.45	844	8 54
		285	29.3		2								
		843	32.7	SEATTLE	UD (	7.30km	Ar # 8 30 Am	Ar = 10.10Am	Ar = 10.55 km	•11.59kn	■ 3.00h	9.00m	Ars 9 10fm
				SEATTLE		12 30m					3.30m		
		183	72.9	TACOMA		2 00m 2 10					* 4.55		
			214.8	PORTLAND	u.	7.10m					Ars10.50m		
Daily Ex. Sunday	Dally					Daily	Daily	Daily Es. Sunday	Daily Ex. Sunday	Daily	Daily	Daily	Daily
717	401					357	25	285	277	27	359	1	355
3.15 8.6	2.00 14.0			Time Over District Average Speed Per Hour		1 20 24 6	1 10 25 2	1.15 26.1	1.20 24.6	1.04 30.3	1.00 32 7	1.15 26.1	1.03 30.5

### Special Rules.

こうしゅうかい アンドラー・アンドラー 大学 大学 アンドラー・ディー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドアー・アンドラー・アンドラー・アンドラー・アンドラー・アンドラー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー・アンドアー

### 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.

Following trains meet and pass on double track between Everett Jct. and Seattle:

No. 25 meets Nos. 360 and 26.

No. 277 meets No. 718.

No. 717 meets Nos. 278 and 286.

No. 285 meets Nos. \$60, 26 and 718.

No. 27 meets No. 718.

No. 1 meets No. 2.

No. 355 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 Seattle, 50 miles per hour.

Maximum rate of speed for freight trains between Everett Jct. and Seattle 30 miles per hour. J Engines in Passenger Service 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.

All trains will not exceed speed of 25 miles per hour over curves of 8 degrees or over.

All trains will reduce speed to 15 miles per hour over draw bridges.

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

All trains will reduce speed to 8 miles per hour passing through town limits of Edmonds.

All trains will approach Crossover Switches Interbay Yard located under Grand Boulevard Overhead Bridge and just east

of West Wheeler Street Overhead Bridge under full control prepared to stop.

Ballard, Edmonds and Mukilteo are flag stops for No. 26 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.

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, Wn., will be governed by time table and rules of N. P. Ry.

All G. N. trains between Vancouver, Wn., and Portland, Ore., will be governed by time table and rules of S. P. and S. Railway.

### INITIAL STATIONS.

Seattle for trains Nos. 360, 26, 358, 278, 2, 28, 356, 286,

Interbay for trains Nos. 718.

Everett Jct. for trains Nos. 27, 357, 25, 285, 277, 359, 1, 355, 401, 717.

### TERMINAL STATIONS.

Interbay for trains Nos. 401 and 717.

Seattle for trains Nos. 27, 357, 25, 285, 277, 359, 1, 355,

Everett Jct. for trains Nos. 360, 26, 358, 286, 278, 2, 28, 356, 718.

### Yard limit boards cust of Ballard cover limits to Scattle.

Yard limit board west of Everett Jct.

INTERLOCKING 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.

INTERLOCKING governing Northern Pacific crossing just west of Interbay.

Westward Home Signal is suspended from Wheeler Street Bridge 230 feet east of crossing

Eastward Home Signal is located 300 feet west of crossing.

Eastward derail is located 55 feet in advance of Home Signal.

Westward derail is loacted 230 feet east of crossing.

Eastward Distant Signal is located 3000 feet from eastbound Home Signal and works zero to 45 degrees.

Westward Distant Signal is located 1500 feet east of Home Signal and works zero to 45 degrees.

Back up Dwarf Signal on Great Northern yard tracks are located 125 feet from crossing East and West.

Derails on Northern Pacific tracks are located 200 feet from crossing with Dwarf Signal 5 feet from them.

Printed instructions posted in cabin for the operation of this plant. Cabin is locked by a Great Northern switch lock and Northern Pacific switch lock.

		FIRST	CLASS					Time Table No. 4			SECOND CLASS	THIRD CLASS
356	28	2	358	286	278	26	360	In Effect February 23, 1919	from	SIGNS		718
Passenger	Express	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger		ener tide	See Rule 2, Page 18.		Md+e.Freight
Dally	Daily	Daily	Daily	Daily Ex Sunday	Daily Ex Sunday	Daily	Daily	STATIONS	Distanc			Daily Ex Sunday
Ar 1.05An	Ar 12.30An	Ar 8.10hm	Ar 6.15m	Ar 6.30m	Ar 3.25m	Ar 9.30km	Ar 9.15km	EVERETT JUNCTION	32.7	R DN P		Ar 11.25An
•12.55	12.24	8.03	6.08	. 5.21	• 3.16	9.23	• 9.08	MUKILTEO	28.9	D P		11.10
112.45	12.17	7.56	6.02	f 5.11	1 3.06	9.17	1 8.59	MOSHER	24.8	Р		10.30
112.37	12.12	7.51	5.57	f 5.05	f 3.00	9.12	1 8.51	HEADOWDALE	21.8	D P		10.15
•12.29	12.06	7.45	. 5.51	· 4.58	. 2.53	9.05	8.43	EDMONDS	17.9	D W P		10 00
112.20	12.01 km	7.40	5.44	• 4.50	. 2.45	8.59	<b>■ 8.33</b>	RICHMOND BEACH	14.9	D P		9.30
•12.03km	11.48	7.27	5.32	f 4.35	■ 2.30	847	. 8.18	BALLARD	5.8	D		9.00
•11.59	11.44	7.24	5.29	1 4.30	. 2.25	8.44	8.14	INTERBAY	4.7	Re DNWCTO PK		L+ 8.50km
								g. N. DOCK	3.4			
11.45m	11.30m	7.10m	5.15Pm	Lr 4.15m	Lr 210m	25 8 3 0 km	L+ 8.00km	SEATTLE	0	R DN • IPK		
■ 8 00ħm			4.50m					SEATTLE	183.1			
• 8.30			3.30 3.20m					A TACOMA	142.4			
Lr 1.00m			L+ 10.00km					NORTHAND	.0			
Daily	Daily	Daily	Daily	Daily Ex. Sunday	Daily Ex. Sunday	Daily	Daily					Daily Ez. Sunday
356	28	2	358	286	278	26	360					718
1.20 24.6	1.00	1.00 32.7	1.00 32.7	1.15 26 1	1.15 26.1	1.00 32.7	1 15 26 1	Time Over District				2 35 10 8

### 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 Somaphores

### 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 eastward crossover switch and has three arms; top arm is for main 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.

First automatic signal eastward is located 3000 feet from eastward home signal, North Portai.

Exercit home signal. Everett Junction Interlocking is located 200 feet from west end of eastward crossover switch, and has two

For Further Instructions and Diagrams see page 16 and 17.

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

NAME	LOCATION	OPENS	LENGTH	CAPACITY
G. N. Oil Tank Spur.	1.7 miles west of Everett Jct.	East		30
Merrill and Ring Spur	2.0 miles west of Everett Jct	West		2
Wasser-Mowatt Lumber Co. Spur	1 mile east of Meadowdale	East		3
Brown Bay Logging Co. Connection	0.5 miles west of Meadowdale	East		2
Invincible Railjoint Spur	0.4 miles west of Edmonds	West		42
	Oil Spur	West	1200	8
Standard Oil Co. Spur	1.0 mile east of Richmond Beach	West	2185	46
G. N. Clay Co. Spur	4.2 miles west of Richmond Beach	East		46 10
Metum Spur, Oil Spur		West		43

### LOCATION OF TUNNELS.

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

THIRD CLASS	1	SECONI	ID CLASS	1	of of	apacity of Side Fracks		Time Table No. 4					F	FIRST CLASS		
717	713	711	729	401	-"	/seas	. B	in Effect February 23, 1919	Calls	357	277	359	299	355		-
	ht Mdse Freight	Fast Freight		Fast Freight		1 18	Distance Belingha		- dera	Passenger	Passenger	Passenger	N P 442 Passenger	Passenger		-
Daily Ex Sunda	y Ez Sunday	Daily	Daily Ex. Sunday	Delly	14	100	23	STATIONS	15	Daily	Daily Ex Sunday	Daily	Daily	Daily		-
		Lr 4.35ha			119	110	0.0	BELLINGHAM	нм	L 2.43M	Lr 7.00km	L+ 11.50 km	-	Lr 5.30hm	-	-
		4.50			45	143	2.9	SOUTH BELLINGHAM	FN	. 3.05	• 7.10	*12.01 Pm		• 5.45		
		5.10			54			sockeye		1 3.17	1 7.18	12.09		275 5.53		
		278 5.40			53					1 336	1 7:30	12.22				_
						8		BLANCHARD		1 3 34	• 7.33	12.22		6.05		_
		5.55			65	16				. 340	712	12 28		606		-
		6.15				8		BELLEVILLE		1 350	1 7.48			6.12		-
	Lr 11.30Am	355-358 6-25 7-55			63	239		2.6				12.34		6.18 711 6.30		_
	12.01h	8-15			42	_		MT. VERNON		4.05	7.55	•12.40				_
	12.30	8.40			64			5.4 PIR		1 4 20	* 8.07	*12.50		• 644		_
					-					1 4.35	• 8.18	1.00		1 6 5 5		_
	359 1-15	9.15			67	1-		MILLTOWN		1 4.38	• 8.22	713				_
	1.45	9.45	-		+	-				* 4.55 712	* 8.32 714	713 1-15		1 7 08		_
	2.15	10.10			76					• 5.10	• 8.48	1.24		1 7.22		
	2.35		. 0.101	-	64	16				1 5.20	• 8.56	1.30		7.30		
	2.50		L+ 2 16 hm	-	-	-	_	KRUSE		5.26	• 9.01	1 34 1	L+ 302M	7.35		
1. 10 600		10.45	2 30		64	74	57.0	- 524		s 5.40	• 9.10	1.40	3 09	1 7.42		_
	m Ar 306mi	Ar 11.00m	Ar 2 45 Pm		-	-	59.7			5.48	• 9.17	1.46	Ar 3164m	7.49		Î
12.55	-			2.10	41	-	60.7	The state of the s		5.52	9.20	1.49		7.52		-
1.05	-			2.20	65	120	63.3			■ 6.07	• 9.30	1.58		· 8.05		i
Ar 1.15%				At 2.30km	-	-	64.1	EVERETT JUNCTION	JN	A 6.10km	N 9.35M	Ar 2.00m		& 8.07m		i
Daily Ex. Sunday		Daily	Ex Sunday	Daily	-	-				Daily	Daily Ex. Sunday	Daily	Daily	Daily		î
	713	711	729	401		-				357	277	359	299	355		-
0.25 10.6	3 35 10 3	6.25 10.0	12.1	10.6				Time Over District Average Speed Per Hour		3.27	2.35	2.10	27.0	2.37 24.3		-

### SPECIAL RULES.

Southward trains are superior to northward trains of the same class. Read carefully rules covering operation Electric train staff block, pages 14 and 15.

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 eBilingham 20 miles per hour, between overhead crossing two miles north of Samish and Tunnel 18, in rainy weather, 15

miles per hour.

J Engines in Passenger Service will not exceed speed of forty (40) miles per

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

All trains will not exceed speed of 25 miles per hour over curves of 8 degrees and over.

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.

All trains will reduce speed to 15 miles per hour over draw bridges.

Main Line-One Long. Delta Yard from North-One Long. One Short.

Delta Yard from South-Two Long, One Short. Delta Yard North-Two Long.

Delta Yard South-Three Long, One Short. Northward from Northern Pacific connection, One Long, One Short,

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

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 running in sections, first class trains will register by card at Kruse, Delta Wye and Everett Jct.

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 north 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.

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

INTERLOCKING SYSTEM.-Governing movement of trains N. P. crossing and

700 feet north of draw span. Top arm at 90 degrees up proceed to two arm

All southward trains will be governed by a two arm home signal located

Bridge 10 just north of Delta Wye.

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 east 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.

	FIRST	CLASS			Time Table No. 4				SE	COND CLASS	1	HIRD CLAS
298	358	Passenger Daily Daily Daily Daily Daily Ex. Studay Daily Dai	356	In Effect February 21, 1919	rom	SIGN	45	712	728	714	718	
N. P 441 Pamenger	Passenger	Passenger	Passenger	Passenger		Distance from Everett Junction	See Rule 2,	Page 18.	Fast Freight	N. P. 675 Freight	Mdse Freight	Mdse Freight
Daily	Daily	Daily Ex. Sunday	Daily	Daily	STATIONS	Dist.			Daily	Daily Ex Sunday	Daily Ex. Sunday	Daily Ex. Sunday
	Ars 8.40m	Ars 6.15fm	A=12.15m	Ars 4.10km	BELLINGHAM	64.1	R. DN C	WTKP	Ar 8.45An		1	
	827	• 6.02	#1 2.01 fm	. 4.00	SOUTH BELLINGHAM	61.2	D O	КР	8.30			
	8.19	1 5.53	111.51	f 3.50	sockeye	57.2		P	8.15			
	8.07	f 5.40	11.38	3.30	SAMISH	51.6	w	Р	8 00			
		• 5.38	•11.34	1 3.26	BLANCHARD	50.9		Р				
	8.00	f 5.31	•11-28	. 3.20		47.8	D	P	7 40			
	7.52	1 5.22	<b>*11.19</b>	1 3.07	BELLEVILLE	42.9		Р	7.10	1		
	. 7.47	. 5.16	•1 1.13	· 3.00	BURLINGTON	40.3	R DNCOW	YXIKP	7.00		Ar 11 30 km	
	• 7.35	• 5.03	41 1.00	. 245	MT. VERNON	34.2	DN	Р	6.10		11.00	
	7.23	<b>4.50</b>	*10.41	2.30	3.4 FIR	30.8	D	P	5.55		10.10	
		. 4.45	<b>*10.35</b>	1 2.25	mill.7own	29.1						
	7.08	• 4.35	*10.26	. 2.15	STANWOOD	23.7	DN	P	5.35		9.30	
	6.55	• 4.20	·10.12	• 2.00	SILVANA	18.2	D W	Р	5.10		8.48	
	6.48	• 4.10	f10.01	1 1.49	ENGLISH	14.1		р	4.50		8 05	
Ar 416Pm	643	. 402	9.53	140	KRUSE	10.5	R DN	P	4.30	Ar 8 25 km	745	
4 09	6.38	• 3.54	9.48	1.34	MARYSVILLE	7.1	DN	P	4.15	8-13	7.30	
L+ 4-02m	6.31	3.43	9.38	1.23	DELTA WYE	4.4	R DN IY	P	L. 4.00km	L+ 8 00 km	L+ 7.00ta	Ar 11.50An
	6.28	3.40	9.35	1.20	LONG SIDING	3.4						11.40
	. 6.23	• 3.35	. 9.30	. 1.15	EVERETT	0.8		Р				11.30
	L+ 6.15fm		L 9.15m	L+ 1.05km	EVERETT JUNCTION	0 0	R DN	P				L+ 11.25An
Daily	Daily	Daily Ex. Sunday	Daily	Daily					Daity	Daily Ex Sunday	Daily Ex. Sunday	Daily Ex Sunday
298	358	278	360	356	5 7 104 7 111				712	728	714	718
27.0	2.25	2.55 23 0	3.0 21.5	3.05	Time Over District Average Speed Per Hour				13 4	15.0	4.30	0.25

Interlocking Flant at crossing of Pacific Northwest Traction Company just north of Burlington. Home signals are located 205 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. R.y. 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 256 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. yords is located with head block 150 feet south of crossing. A pipe connected derail is located 185 feet from head block in on this spur and with head block in our this spur and with head block in our thin spur and with head thin of the spur and with 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. Vernoa. This dwarf signal is part of automatic block signal system.

#### INITIAL STATIONS.

Blaine for train No. 711.

Delta Wye, for trains Nos. 298, 728, 712, 714, 717 and 401.

Everett Jct., for trains Nos. 458, 350, 356, 278 and 718.

New Westminster, for trains Nos. 98, 102 and 104.

Vancouver, for trains Nos. 97, 359, 355, 357, 101, 103 and 719. Bellingham, for trains Nos. 277 and 720. Kruse, for trains Nos. 299 and 729.

# Burlington No. 713. TERMINAL STATIONS.

Blaine, for train No. 712.

Delta Wye, for trains Nos. 293, 729, 711, 713 and 718.

Everett Jct., for trains Nos. 359, 355, 357, 277, 401

New Westminster, for trains Nos. 97, 101 and 103,

Vancouver, for trains Nos. 98, 356, 358, 260, 102, 104 and 20.

Bellingham for trains Nos. 278 and 279

Bellingham, for trains Nos. 278 and 719. Kruse for trains Nos. 298 and 728. Burlington No. 714.

### YARD LIMITS

Yard limits extend from yard limit beard north of Roundhouse, Bellingham, to yard limit beard, 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 Everett Jet.

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

NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY
Charksnut Cannery Spur Blanchard Spur. Bloedel Donovan Spur. Beliville Pit Ewesett Pulp and Paper Co., Spur	0.5 Miles south of Samish 1.3 Miles north of Bow 1.5 Miles north of Bellville 1.7 Miles porth of Mt. Vernon.	South North North North North North South		64
Sungit Crossing Tr. Track	1.0 Mile north of Mt. Vernon 0.9 Miles south of Fir 1.3 Miles south of Fir	South South North		2 6

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

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Hals Spur Norman Spur Kennedy Spur	4.2 Miles north of Marysville	South South South South South North North		8 2 2 6 2 4

### LOCATION OF TUNNELS.

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

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

" " 21, 697.6 " " 21. .32 " " South Bellingham.

### 8 SOUTHWARD.

### THIRD DISTRICT-VANCOUVER TO BELLINGHAM.

HIRD CLASS		SECOND CLASS		Cas	Side acks			Time Table No. 4						IRST CLAS	5		
719	103		711	Ťr	acks	from .	.	In Effect February 23, 1919	OF STREET	357	101	359	355	97			1
Mdse . Freight	C.N.P. Ry 202 Freight		Fast Freight	Š.		ance fr	-		den	Passenger	C. N. P. Ry. 2 Passenger	Pamenger	Passenger	C. N. P. Ry. 38 Passenger		-	
Daily Ex Sunday	Daily		Daily	126	Truck	Vas		STATIONS	12	Daily	Sun. Wed.	Daily	Daily	Daily			1
Lr 8.004m	v 1.00An			33	319	0.1	0	VANCOUVER	VN	Lr 12.01 km		Lr 9.30km	L 3.00m	Le 7.00%			T
8.20	1.15					2.	.7	STILL CREEK		f12.11	9.11	9.40	3.10	7.11			
8.25	1.20					4.0	6	ARDLEY		f12.15	9.16	9.44	3.14	7.16			
8.35	1 30				39	7.5	2	BURNABY		112.21	9:22	9.48	3.18	7.22			
8.45	1.40					10.5		3.7 ENDOT		12.27	9.28	9.54	324	102 7.28			
9.05	1.55			27	55	12.	4	SAPPERTON		12.30	9.31	9.57	720 3.27	7.31	100		-
9.10	2 00 la				52	13,	1	NEW WESTMINSTER	MN	•12.38	Ars 9.35Am	98	. 3.33	Ar 7:35 ha			1
9.15						13.		FRASER RIVER JCT		12.43		10.07	3.38	1.50 (1.6		-	-
9.30				64	3	18.7	7	TOWNSEND		112.52		110.15	3.46		110		-
9.50				65	59	24.1	1	COLEBROOK	G	• 1.02		*10.23	1 3.54				
10.00					24	27.	7	CRESCENT		1 1.10		*10.30	1 4.01		P 10		
10.40				65	21	32.	5	WHITE ROCK	WR	• 1.35		*10.55	• 426				
						35.	s	INTERNATIONAL BOUNDARY									
359-10.50 720 11.45			L 2.30Mm	62	124	36.0	o	0.8 BLAINE	BN	a 1.55		*11.05	• 4.48				
12.55Pm			3.00	76	40	43.5	s	CUSTER	cu	• 2.10		*11.22	5.01				
					3	46.2	2	ENTERPRISE		1 2.17		111.26					
1.40			3.25	75	38	49.1	1	FERNDALE	FD	. 2.23		<b>*11.32</b>	. 5.13				
					30	51.3	3	BRENNAN		2.28		111.38					-
Ar 2.30fm			Ar 4.10m	119	110	58.1	1	BELLINGHAM	нм	Ars 2.43kg		Ars11.50An	Ars 5.30m			1	
Daily Ex Sunday	Daily		Daily							Daily	Sun., Wed.	Daily	Daily	Daily		100	
719	103		711	Г						357	101	359	355	97	F 1 101	-	
6.30 9.0	1.00 13.1		1.40					Time Over District Average Speed Per Hour	_	2.42 22.3	22.9	2.20 25.0	2.30 23.2	35		-	-

### Special Rules.

### Southward trains are superior to northward trains of the same class.

Double track between Still Creek and Endot. Normal position of switch at Still Creek is for southward trains and at Endot for northward trains.

No. 355 meets No. 360 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 per hour.

J Engines in Passenger Service 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.

All trains will not exceed speed of 25 miles per hour, on curves of 8 degrees and over, and between mile post 139 and bridge 77, Fraser River.

All trains will reduce speed to 15 miles per hour over draw bridges.

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 made where track conditions will not warrant, which are regulated by slow orders.

Trains must not exceed speed of 10 miles per hour over Brunette Street at Sapperton.

All trains reduce speed to 10 miles per hour between Mile Post 123 and Mile Post 127, between White Rock and Crescent.

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

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 6 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 north 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 clearance. 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 Customs officials.

Yard limit boards at Bellingham, Blaine and Vancouver.

Tard limit board at Sapperton Sand Pit North of Wye, covers limits to Praser River Bridge.

	358	102	200		1	Time Table No. 4				SECON	CLASS THIRD C	ASS
			360	98	356	In Effect February 23, 1919	3	fra	SIGNS	712	720 104	
	Pamenger	C. N. P. Ry.		C. N. P. No. 3: Passenger	Passenger		ŝ	Distance	See Rule 2, Page 18.	Fast Freight	Mdse, Freight C.N. F. Ry. 201	
	Daily	Mon., Wed. Sat.	Daily	Daily	Daily	STATIONS	15.	Dist		Daily	Daily Freight	
	Ars11.10m	Ars 8.00m	Are 3.30m	Ar #11.00 An	Ars 8.00km	VANCOUVER	VN	58.1	Re DN WCYTOPK		Daily Daily  Ar 4.30hn Ar 11.55hn	
	10.55	7.46	1 3.12	10.44	1 7.40	STILL CREEK		55.4				
	10.51	7.41	1 3.07	10.38	1 7.35	EARDLEY		53.1	P		4.15 11.40	
	10.46	7.35	1 2.59	10.30	1 7.28	BURNABY		50.9			4.08 11.32	
	10-40	7.28	2.47	10-19	7.21	3.2 ENDOT		47.7	- Р		4.00 1123	
	10.36	7.23	1 2.42	10.14	1 7.17	SAPPERTON		-	Р		3.48 11-10	
	•10.33	Lr 7.20m	. 2.40	Lr 10 124		NEW WESTMINSTER	MN	45.7	WIY PK		3.27 11.00	
	10.24		2.30		7.05	PRASER RIVER JCT			R DN I PK		3.17 Lv 10.55Pm	
	10.16		1 2.20		1 6.55	TOWNSEND		44.6			3.12	
	*10.08		• 2.10					39.4	Р		3.00	
	110.00		1 2.02		• 6.42	COLEBROOK	0	34.0	R DN W Y P		2.40	
	• 9.36		720		1 6.20	CRESCENT		30.4			2.15	
-	- 9.30		1.35		• 5.55	white Rock	WR	25.6	DN P		360 1.35	
	. 0.05					INTERNATIONAL BOUNDARY		22.6				
	• 9.25		* 1.15		■ 5.25	BLAINE	BN	22.1	RDNWTP	Ar 10.25Am	719 12 40 5	
	• 9.07		*12.55		• 4.54		cu	14.6	D P	10.05	1122	
	9.00		112.47		1 4.46	ENTERPRISE		11.9			1122	
	• 8.57		•12.42		4.40	PERNDALE	FD	9.0	D P	9.40	1045	
	8.49		112.35		4.29	BRENNAN		6.8			1045	
	L+ 8.40fm		L+ 12.20mm		Lr 4.15kg	BELLINGHAM	нм	0.0	RODN WC T PK	le 9.00ta		
	Daily	Mon., Wed., Sat.	Daily	Daily	Daily					Daily	Lv 9.55Am  Daily Ex Sunday Daily	
	358	102	360	98	356					710		
	2 30 23.2	.40	3 10							712	720 104	
	23.2	20:90	3.10 18.3	17.5	3.45 15.6	Time Over District Average Speed Per Hour				15.8	6.35 1.00 8.9 13.1	

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. North derail is 625 feet north of tower.

North derail is 625 feet north of tower.

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

Northward home signal is located to the left 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 system used on bridge 64, 1,000 feet south of Ferndale. Derails located 55 feet in advance of 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 chome signal. Southward home signal is located 558 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 255 feet south of B. C. Electric crossing. Southward home signal is 210 feet north of C. P. Ry. crossing. No distant signals at this

NAME	LOCATION	OPENS	Lasyth	Car Capa city
Maddoughs-Shaw Spur	0.7 Miles north of Ardley	South		
Ardley Power Spur	0.3 Miles south of Andles	South		2
Wolfs Spur	0.5 Miles north of Burnshy	North		
daight Spur	1.5 Miles north of Sapporton	South	150	9
Bradford and Taylor	0.7 Miles north of Sapperton.	South	450	
St. Mingo Spur	1.0 Mile north of Townsend			4
Delta Shingle Co. Spur	0.8 Miles south of Townsend	North		23
Mosher Lumber & Logging Spur		North	1000	10
Campbell Lumber Co. Spur	2.2 Miles south of Townsend	South	630	16
Blaine Sour	1.0 Miles south of Whiterock.	South	2450	62
Blaine Spur Blaine Shingle Co.'s Spur	1.9 Miles south of Blaine	South		
Star Dook Co. a Spur.	2.0 Miles south of Blaine	South		9
City Dock Spur (off Passing Tracks)	0.0 Blaine	South		81
North Bluff Mill Spur (off City Dock Spur)	0.0 Blaine	South		6
Barge Spur (off City Dock Spur)	0.0 Blaine	South		
Drayton Bay Shingle Spur	400 ft. south of Blaine	North		Ä
McDonald Spur	1.2 Miles north of Custer	South		2
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 Bellingham	South		-0

### FOURTH DISTRICT-ANACORTES TO ROCKPORT.

EASTWARD.

HIRD CLASS	SECOND CLASS	FIRST CLASS		Capac of Sic	de l		Time Table No. 4				F	RST CLASS	SECOND CLASS	THIRD CLASS
723	377	289	279	Trac	ks .	from .	Effective Enbruary 23, 1919	9	from	SIGNS	290	280	378	724
Mdse Freight	Mixed	Passenger	Passenger	14	1.5	kport		grap	lance	See Rule 2, Page 18.	Passenger	Passenger	Mixed	Mdse.Freight
Daily Ex Sunday	Daily Ex. Sunday	Daily	Daily	Passing	45	Distant	STATIONS	T <sub>e</sub>	Ana		Daily	Daily	Daily Et Sunday	Daily Ex Sunday
Lv 6.304s		Lv 4.45m Lv	9.40km	39			ROCKPORT	RK	53.7	R D Y W	us 1.30m	us 9.35m		4 4.4 0Pm
6.50		f 5.00	1 9.53	16		5.8	FABER		47.9		f 1.12	1 9 20		4.10
7.25		. 5.10	10.03		83	9.1	CONCRETE	BA	44.6	D	<b>1.00</b>	9.12		3.30
7.50		1 5.13	110.06	39	76	10.2	GRASSMERE		43.5	w	f12.50	1 9.04		240
820		■ 5.24	•10.17	41		15.5	BIRDSVIEW		38.2		<b>12.38</b>	8.52		2.15
8.50		■ 5.35	10.28	35		20.6	HAMILTON	п	33.1	D W	12.25	. 840		1.40
9.15		5.44	•10.37		25	23.9	LYMAN	MY	29.8	D	•12.15₽m	. 8-31		1.10
9.35		1 5 54	110.47	21		29.3	COKEDALE JUNCTION		24.5		f11.58	1 8.19		12.40
10.00	Lv 9.154m	• 605	10.57	42	63	32.4	SEDRO-WOOLLEY	sw	21.3	DXRIK	<b>11.50</b>	· 8-11	u 8.30km	12.25
		1 6.10	111.02			34.7	STERLING		19.0		f11.38	1 8 02		
Ar 10 25An	1 0.55	• 6.20280 7.56	11.10290	63	225	37.2	BURLINGTON	BU	16.5	R DN CO WYX IK	10.56377	7 55 <sup>259</sup>	728	L+ 12.01ħa
	•11.05	• 803	•11.38		16	40.0	AVON		13.7		10.46	. 539	1 7.05	
	111.15	1 810	111.45		7	42.6	FREDONIA		11.1		110.40	1 5.32	1 6.57	
	•11.25	. 817	11.52		17	44.1	WHITNEY		9.6		•10.35	. 5.25	• 650	
						40.3	DRAW BRIDGS		7.4					
	111.45	1 8.33	112.08h		3	49.6	FIDALGO		4.1		110.21	f 5-11	1 620	
	Ar +12.05fm	Ars 8.45hm Ar	12.20h		235	53.7	ANACORTES	AC		R D T W	L+ 10.10km	Lv 5.00m	# 6.00An	
Daily Es. Sunday	Daily Ex. Sunday	Daily	Daily								Daily	Daily	Daily Ex. Sunday	Daily Es Sunday
723	377	289	279								290	280	378	724
3.55 9.5	2 50 6.7	4 00	2 40 20 2				Time Over District Average Speed Per Hour				3 20 16 1	4 35 11 7	2,30 8,05	4.39 8.0

### Special Rules.

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

Bulletin boards are located at Anacortes, Burlington and Rockport.

Maximum rate of speed for passenger trains between Anacortes and Rockport, 30 miles per hour. Freight trains 15 miles

All trains will not exceed speed of 25 miles per hour on all curves of 8 degrees and over.

All trains will reduce speed to 15 miles per hour over draw bridges.

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

No engine heavier than D-4 Mogul should cross Drawbridge No. 12 west of Whitney.

First class trains will stop on flag at Fidalgo Mill Spur, Summitt Park, Minkler, Superior Ave.. East Side, Van Horn.

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

Normal position of gates at crossing Puget Sound and Baker River Railway two miles east of Burlington will be clear for Great Northern trains. Not necessary to stop when gates are clear and set against P. S. & B. R. Ry.

Interlocking Plant one half mile west of Sedro-Woolley at crossing of Pacific Northwest Traction Company. Distant signals are located 2000 feet east and west of crossing and have one arm showing caution. Home signals are located 208 feet east and west of crossing. Derails are located 58 feet inside of Home Signals.

Interlocking Plant just west of Burlington at crossing of Pacific Northwest Traction Company eastward distant signal is located 2000 feet west of crossing, has one arm showing caution. Home signals are located 55 feet each way from crossing Derails are located 5 feet inside of home signals. There is no distant signal for westward trains.

INITIAL STATIONS.

Anacortes, for trains Nos. 290, 280 and 378. Rockport, for trains Nos. 279, 289 and 723. Burlington, for train No. 724. Sedro-Woolley, for train No. 377.

TERMINAL STATIONS. Anacortes, for trains Nos. 279, 289 and 377. Rockport, for trains Nos. 280, 290 and 724. Burlington, for train No. 723. Sedro-Woolley, for train No. 378.

NAMB	LOCATION	OPENS	LENGTH	CAPACITY
Briscoe Spur Sauk Spur Cowden's Spur Van Horne's Spur Vix Spur Washington Port Cement Co Superior Portland Cement Co. Spur Burpee Shingle Spur Highlower Spur L. L Spur Hop Ranch Spur Skagit Mill Co. Spur Minkler's Mill Sound Iron Spur Holbrook's Spur Burington Mill Spur Callahan-Abbott Spur Gravel Pit Spur Fidalgo Island Shingle Co. Spur Log Rollww Fidalgo Mill Spur	1.8 Miles west of Rockport 2.0 Miles west of Rockport 3.5 Miles West of Rockport 0.5 Miles west of Faber 1.5 Miles west of Faber 0.7 Miles west of Faber 0.7 Miles west of Faber 0.4 Miles west of Concrete 0.4 Miles west of Concrete 0.4 East of Birdsview 0.2 Miles west of Hamilton 0.8 Miles east of Lyman 1.yman 3.0 Miles east of Cokedale Jet. Woolley 0.4 Miles west of Woolley 0.4 Miles west of Woolley 0.5 Miles east of Cokedale Jet. 5.9 Miles east of Anacortes 4.6 Miles east of Anacortes 2.1 Miles east of Anacortes	West West East East West West West West West West West We		39 13 7 8

Yard limit boards are located at Anacortes, Burlington and Sedro-Woolley.

SECOND CLASS.	of 2	acity Side		Time Table No. 4				SECO	ND CLASS.
385	Tri	cks	from	Effective February 23, 1919	Calle	from	SIGNS.	386	
Mixed Daily	Passing	Other	Distance Sumas.	STATIONS.	relegraph	Distance	See Rule 2 Page 18.	Mixed Daily	
Ex Sunday	-	31			+	- A-4		Ex. Sunday	
L+ 1010Am		_		SUMAS, WASH	BU	46.5	RDWC	Ar 9.50An	
	_		0.0	INTERNATIONAL BOUND'RY		46.5			
10-11	26	3	0.1	HUNTINGDON		46.4	w	1 949	
* 11-10	40	21	3.6	ABBOTSFORD	P8	42.9	R D W	1 935	
* 11-30		7	8.1	PINEGROVE		38.4		* 910	
11.55	62	21	12.7	ALDERGROVE		23.8	D	* 855	
₃ 12 25ħm	26		16.9	off2		29.6		s 830	
* 12-55	64	18	21.6	LINCOLN		24.9	w	s 800	
• 1.35	64	38		CLOVERDALE	CL	17.1	R D XY	* 7.30	
1 1-50		5		ALLUVIA		13.1		s 7·10	
f 1.55		5	34.9	SOUTHPORT		11.6		1 7.05	
1.59			35.9	COLEBROOK JCT		10.6	Y	7.01	
, 200	65	59	35.9	COLEBROOK	a	10.6	R DN W	. 7.98	
4 10			36.7	QUICHON LINE JCT		9.8		6.25	
1 435		9	42.7	INVERHOLM		3.8		1 600	
1 4 50		6	45.1	LADNER		1.4		1 5 50	
Ar s 5 OOPm		10	46.5	аигсном		0.0	R Y	Lr 5.45km	
Daily Ex. Sunday								Daily Ex. Sunday	
385								386	
5.05 9.0				Time Over District Average Speed Per Hour	_			3 25	

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

SECOND CLASS		ide i		Time Table No. 4					SECOND CLASS
387	Tra	cke	from	Effective February 23, 1919	8	um.		SIGNS	388
Mixed	ning cks	18	9000		dush	and chine	See	Rule 2, Page 15	Mixed
Tuesday and Friday	35	Other	Hope	STATIONS	Tele	20			Tuests wand Friday
ins 10.50m	40	5	0.0	KILGARD		5.0			1050 x
Ar 11.10An	37	31	5.0	ABBOTSFORD	FS	0.0	R	D W	t= 10 30 =
Tu-piny and Fratay									Tuesday and Frotay
387									388
15.0				Time Over District Average Speed Per Hour			-		15 0

### Special Rules.

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

Maximum rate of speed for passenger trains between Abbotsford and Kiigard. 20 miles per hour, freight trains 15 miles per hour.

All trains reduce speed to 15 miles per hour over draw bridges.

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.
Kilward, for train No. 388.
Abbotsford, for train No. 387.

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

NAME	LOCATION	OPENS	CAPACITY
Kilgard Brick Spur.	at Kilgard	West	12

### Special Rules.

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

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

All trains will reduce speed to 25 miles per hour on curves of 8 degrees and over.

All trains will reduce speed to 15 miles per hour over draw bridges.

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 Vale road crossing, which is first crossing east of Lincoln, will reduce to speed of 10 miles per hour.

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.

Sumas, for train No. 386.

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

YARD LIMITS.

Coverdale 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
Patterson's Spur Smith Road Spur Matthew Road Spur Embree Road Spur Cliver Road Spur Oliver Road Spur Gravel Pit Spur Surrey Spur McNair Spur David Bell Co. Spur Lincoln Lbr. Co. Spur Lincoln Lbr. Co. Spur Clark's Spur Otter Shingle Co. Spur Singer Mill No. 2 Singer Mill No. 2 Fish Trap Pit.	2.0 Miles east of Inverholm 3.0 Miles east of Inverholm 2.8 Miles west of Colebrook 1.7 Miles west of Colebrook 1.7 Miles sast of Aliuva 1.1 Miles west of Cloverdale 2.0 Miles borth of Cloverdale 1.5 Miles borth of Cloverdale 1.4 Miles west of Lincoln 1.0 Miles east of Lincoln 1.0 Miles west of Cloverdale	West West Both Both West West West South West West West West East East West	57 77 77 16 33 29 15 30 21 20 30 44 44

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

							1	LIMIT	OF L	OAD-	MEAS	UREM	ENT						
For Points Between						WI	DTH (	OF LO	AD AT	HEI	GHT A	BOVE	TOP	OF RA	IL				
	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"	7'0"	7'6"	8'0"	H 8'6''	9'0"	9'6''	10'0"	10'2"	10'6"	11'0"	11'6"	Max- imum Ugt.	Max imur Wdtl
								н	EIGH	т						-			
Lines East of Cut Bank except 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"	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'
pokane 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"		13'6"	13'0"	12'0"	17'0"	
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"	
eattle to Portland	19'0"	19'0"	19'0"	19'0"	19'0"	18'7"	18'1"	17'10"	17'4"	17'1"	16'9"		15'11"		15'5"	15'0"	14'6"	19'0"	
acific Jet. 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"		16'5"	5500	16'0"	15'6"	18'0"	11'6'
reat Falls to He'ena	16'0"	16'0"	16'0"	16'0"	16'0"	15'8"	15'4"	15'2"	15'0"			14'0"	13'0"		4.00	11'0"	10'0"	16'0"	11'6'
felena to Butte	17'0"	17'0"	17'0"	17'0"	17'0"	16'8"	16'4"		16'0"	1000	15'6"	15'3"		14'11"	50000	14'6"	13'6"	17'0"	11'6'
pokane 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"			15'0'	14'0"	18'0"	11'6'
pokane to Port and via S. P. & S. Ry	21'0"	21'0"	21'0"	20'9"	20'6"	20'2"	19'9"		19'4"	19'2"	19'0"		18'3"			17'9"	110	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, bad 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:

The mengate should below.	
Salvage of bad order car         Pounds 30,000           Dead engines         Actual weight           Steam shovels, 60 ton         120,000	Dozers   Pound   40,000   B. & B. outfit cars   28,000
" " 65 ton	First class coach (wood)
" " 70 ton	Second class coach (wood) 57,400
" " 142,000	Conches (steel)
95 toq	Tourist sleepers S1900
	Steepers 111.80
Derrick Cars, 35 ton. 121,400	Diner
" 50 ton 160.400	Parlor
" 60 ton 163 500	Baggage. 65,000
" " 75 ton	Mail
" " 100 ton	Mail
" " 150 ton	Baggage and express 96,900
Rotary plows (95007 and 95008) 200,000	Express refrigerator 76,500
Potaty plows (95007 and 95008)	Pass, and baggage 30 800
Rotary plows (others) 127,000	Mail and baggage 57 nov
AND MARKET COMMANDED TO A STATE OF THE STATE	
NOTE—The weights shown for steam shovels are net. If shi	ipment includes a boom, 20,000 pounds should be added. If dippe

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

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

STATIONS	Ruling	Cla	es M2-	1950-1	990	CI	ass L1-	1900-1	921	CL	" "01	2-1800- "3020- 2-1750-	3069	Cla		1140-11 heated	99	Cla	F5-1	095-10 100-11	99	C	are G	-700-71 -720-7	19	(	lass P	1-500-5 5-450-4	65 76								
SIATIONS	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	Ī
cld Bar to Skykomish	1.0	1700				1600		.,		1550				1350				1200				1000				775			Ī					-	T.,		
ykomish to Cascade Tunnel	2.2	900				850				700				625				600				480				360											1
scade Tunnel to Leavenworth.	Down	2500				2500				2500				2500				2500				1250				900											
evenworth to Cascade Tunnel	2.2	900				850				700				625				600				480				360						****					1
attle to Delta	0.5									3500				2850				2500				2000				1500											
ta to Seattle	0.4									4000				3000				2750				2300			·	1800							1000			****	ı
cade Tunnel to Skykomish	Down	2500				2500				2500				2500				2500				1250				900											1
lingham to Delta	0.5													2600	****			2300				1650				1300		****									ŀ
ta to Bellingham	0.4													2800				2500				1800				1460											1
ta to Gold Bar	0.4					3800				3500				2800				2500				1800					****										1
komish to Delta	0.3					4000				3800				3200				3000				2200															-
lingham to Vancouver	1.1													1500				1300				1000				775											
neouver to Bellingham	1.1					1								1500				1300		0.255		1000				775											

WEATHER RATING {1—When temperature is 25 degrees above zero or over. 2—Very frosty or wet. 5 to 25 above zero.

WEATHER RATING  $\begin{cases} 3\text{—Five degrees above to 10 below zero.} \\ 4\text{—Ten below zero and colder.} \end{cases}$ 

Steel

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

W	eights o	1	En	np	ty	1	Fr	el	g	ht		C	ır	5.				
Box Cars, 28 to	30 foot.																	11 Tons
Box Cars, 33 foo	t																	12 Tons
Box Care, 34 foo	t			9														13 Tone
Box Care, 36 foo	t																	15 Tone
Box Cars, 40 foo	t												Ō					17 Tone
Refrigerator Car													•	•				20 Tone
Express Refriger	ator Con		•			• •	• •	•	•	•••	•	• •	۰	• •	•	٠.	•	22 T-
Furniture Care,	30 to 40	1				• •	• •	••		• •		• •		• •	•			17 Tons
Furniture Care,	40 to 10	10	os.			• •	٠,		٠.	•••		• •	•	٠.	*	٠.		17 Tons
Cabooses, 8 whe	40 to 50	10	05.			• •	• •		• •	••		• •	•	• •				19 Tons
Cabooses, a whe	01					• •	٠.		٠.	٠.		٠.		• •				17 Ton
Cabooses, 4 whe	ei					• •	• •		• •	٠.		• •	٠	٠.	٠	٠.		10 Tone
Flat Care, 28 to	30 foot.	• • •				• •	• •		٠.	• •				٠.	*			9 Tons
Flat Cars, 33 an	d 34 loot									• •			*					11 Tons
Flat Cars, 40 foo	×																	12 Tons
Coal Cars													٠	٠.				12 Tone
Gondola Care						٠.				٠.		٠.		٠.		٠.		13 Tone
Ore Care, Wood																		12 Tons
Ore Cars, Steel .																	â	15 Tone
Oil Tanks																		15 Tone
Ballast Cars													Ī					12 Tone
Steam Wreckers							7.7					••	•	• •				

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.

weights of Past	senger Edu	Steel	T
	Wooden	Under- frame	l
Postal Cars, Nos. 1 to 21		***!	

Nos. 1 to 21			67 Tons
Nos. 90 and 91		****	48 Tons
Nos. 50 to 69	54 Tons		
Nos. 107 to 114	43 Tons	1111	****
Baggage and Mail,			
Series 300 and 400	26 Tons	24.4	
Series 500 and 600	45 Tons	2.0.5	****
Series 700	60 Tons	co. m	****
Series 800	****	60 Tons	****
Nos. 1000 to 1027	25 Tons		
Nos. 1050 to 1089	50 Tons	****	1111
Nos. 1100 to 1119	00 1008	60 Tons	
Nos. 1588 to 1702	55 Tons	00 1000	4444
Express Refrigerators,			
Nos. 1900 to 2097	Have weigh	ts stenciled	on cars.
Passenger and Baggage,			
Nos. 2100 to 2201	25 Tons	****	****
Coaches,		ALTON OF	
Nos. 3000 to 3241	27 Tons		****
Nos 3250 to 3606	48 Tons		****
Nos. 3700 to 3724		52 Tons	

### Weights of Passenger Equipment-Cont.

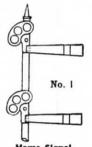
	Wooden	Steel Under- frame	Steel
Coaches-Cont.			
Nos. 4000 to 4012	86 Tons		
	11 Tons		
	1 Tons	****	
	9 Tons		****
Nos. 4500 to 4529		1000	70 Tops
Courist.			10 1000
	3 Tons		
	2 Tons		
Dinera.			****
	O Tona		
	8 Tons		
	1 Tons		
arlor Cars.	'I Tomb	****	4.57.5
	5 Tons		
	O Tons		
Sleepers,	AU TOUR	****	****
	0 Tons		
Compartment-Observation.	on roms	2555	****
	3 Tons	****	****
Business Cars,			
Average Weight	O Tons	****	

### Weights of Dead Engines and Tanks.

resignes of Dead Engines and Tanks,
Enginee numbered below 200 series 80 Tons
Engines numbered in 200 series
Engines numbered in 300 series 85 Tops
Engines numbered in 400 series
Engines numbered in 500 series
Engines numbered in 600 series
Engines numbered in 700 series. 140 Tons
Engines numbered in 800 series
Engines numbered in 900 series (except 992 to 997) 115 Tons
Engines numbered 992 to 997 95 Tone
Engines numbered 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 1400 to 1405
Engines numbered 1406 to 1425
Engines numbered in 1500 and 1600 series 179 Tons
Engines numbered in 1700 series
Engines numbered in 1800 series
Engines numbered in 1900 series
Engines numbered in 3000 series:
Engines numbered 1750 to 1764
Engine Tank (Empty)

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.
45 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.
35 miles per hour is equivalent to one mile in 2 minute and 0 seconds.
25 miles per hour is equivalent to one mile in 2 minutes and 0 seconds.
20 miles per hour is equivalent to one mile in 3 minutes and 24 seconds.
15 miles per hour is equivalent to one mile in 3 minutes and 0 seconds.

### ELECTRIC TRAIN STAFF BLOCK SIGNAL DIAGRAMS.



Home Signal.

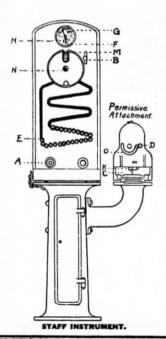
Upper Arm RED light at night. Lower Arm RED light at night. Color Indication STOP. Proceed only when Signal

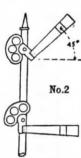
clears. STOP Signal. Name.



Distant Signal.

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





Home Signal.

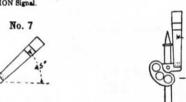
Opper Arm, YELLOW light at

Lower Arm, RED light at night.

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

CAUTION Signal Name.

Color



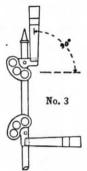
Color.

Name.

Indication.

Distant Signal. Color. YELLOW light at Night.
Proceed with CAUTION prepared Indication.

to stop at Home Signal. CAUTION Signal.

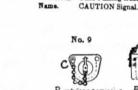


Home Signal. Color.

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

No. 8

CLEAR Signal



Indication.

staff disc



No. 4

Home Signal.

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

Take Passing track.

POUCH FOR ABSOLUTE STAFF.

### **GENERAL INSTRUCTIONS**

### **OPERATING TRAIN STAFF INSTRUMENTS.**

Distant Signal.

GREEN light at night.

CLEAR Signal.

PROCEED. Staff in Crane

### TO REMOVE STAFF FROM MACHINE.

Instructions to Operator removing staff.

1st. Press bell key "A" once ©. Answer will be two © taps.
2nd. Press bell key "A" three © times. Then watch current indicating needle "F" until it deflects to the right.
3rd. 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.

Upon receipt of one ring acknowledge same by two pushes on bell key "A."
Upon receipt of three rings, press bell key and hold it so until staff indicating needle "p" moves (rom 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 slow "O" and remove at opening "D."

# INSTRUCTIONS FOR OPERATING SEMAPHORE SIGNALS THROUGH 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 Fouch "D.", Fig. 9. They
place Pouch in staff crane which action automatically "Clears" Home and
Distant Signals to 90° Position. (See Fig. No. 8 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 go.

AND STREET, ST

### Bell Code of Signals

To attract attention.

2 ---All Right. Yes.

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

Train has entered Block.

5----Block is not clear.

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

1-2---Clear. Train has cleared Block.

2-1 ---

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

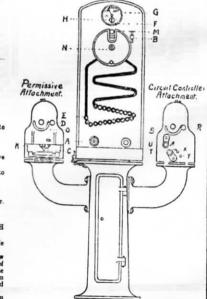
Has train Cleared Block? Answer by 5 or 3-1

Have unlocked. Block is clear. 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 re-

peating. 8 ---- Testing. Answer by repeating.



STAFF INSTRUMENT.

### ELECTRIC TRAIN STAFF BLOCK SIGNAL RULES AND INSTRUCTIONS.

Electric Train Staff Block Signal System in operation between Leavenworth and Skykomich, Everett Jct., and Pacific Ave., and between Delta Wve 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 Instructions herein.

- All trains and engines in both direction will be governed exclusively in their movements by the train staff.
- Home and Distant semaphores are located at each block station. Home signals are located at the passing track switches. Distant Signals are located about 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 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.)
- 4-A. In the case of an engine pushing a train, it must be considered as part of that train through to the next block station, and may be uncoupled only at a block station. Such engine, if then uncoupled, must be treated as a separate train.
- When a staff has been secured by the Engineer, he will announce the fact by sounding one short, one long and one short blast of the whistle, thus (o-o.)
- An absolute staff permits but one train at a time to use a block. See D figure No. 9.
- 6-A. A 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 be in possession of a permissive staff disc before proceeding. See C. Fig. No. 9.
- 6-B. Permissive staff discs must not be given to Engineers with light engines or light tonnage trains to follow a passenger train.
- 6-C. 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 19. 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 direcmeeting point develops at their station.

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 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 22. 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 Ferm No. 290.

In case of unexpected delay to a train to which a 23. staff has been delivered, same can be recalled by Block Operator and return of staff to the instrument 24. 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 25. 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
- staff (See Rule 3) as authority for a train movement only when placed in a pouch bearing a metal plate 27. 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 29, the names of the two stations between which the train is to be moved.
- 21-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 30. 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 rear of train in staff territory between Skykomish and Leavenworth, when positively known engineer holds 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

- 22-B. When two or more trains use permissive staff discs the last train will be given the permissive staff (See B. Fig. No. 9) with all the remaining discs and this confers the same rights as a single permissive staff
- 22-C. The Block Operator receiving the permissive staff must at once assemble on it in numerical order all the permissive dises 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 Super-

If any electrical or mechanical appliance fails to work properly, the Signal Repairman and Train Dispatcher must be notified and only duly authorized persons permitted to make repairs.

Block Operators must have the proper appliances for hand signaling (a yellow flag by day and a yellow light by night) ready for immediate use. Hand signals must not be used when the proper indications can be displayed by the fixed signals. When hand signals are necessary, they must be given from such a point and in such a way that there can be no misunderstanding on the part of Enginemen or Trainmen as to the signals or as to the train for which they are given.

Block Operators are responsible for the care of the block station, lamps and supplies and of the signal apparatus unless provided for otherwise.

Lights in block stations must be so placed that they cannot be seen from approaching trains.

Block Operators 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 frequently 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.

1. Car capacity of passing tracks based on 42 feet to the car inside of clearance points, and does not allow for engines Rules, the following signs in column headed "signs." and cabooses

2. In addition to signs provided in Rule 7, Book of

P-Dispatchers' telephone, accessible at all times. I-Interlocked. K-Connection with foreign road.

.-Standard clock.

Chiwaukum House track. Cascade Tunnel, east passing track lead. 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.

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.

### 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 authorised 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 required for the immediate safety of the patient.

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

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

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

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 Superintendent 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 Northern Building, St. Paul.	
Beach, and Beach, total 12 Great Notice Building, St. Paul.	
Boeckin an and Boeckman, Ophthalmic Surgeons, 642 Lowry Building, St. Paul.	
Leavenworth	HOXSEY
Index	VOSS.
Sultan DR O R	VOSS
Monroe DR. H. K.	STOCKWELL.
EverettDR. C. A.	MEAD and W T FLVNN
Interbay DR. F. A.	BOOTH
Seattle DR J C	MOORE
Seattle	PERRY, Oculist.

Portland, Ore	DR. R. C. McDANIELS, 923 Electric Bldg
Vancouver, Wash	DR I T GUERIN
Tacoma	DR JAMES A LA CASA
Burlington	DR H E CLEVELAND
Bellingham	DP W A KIDEDATDICK
Blaine	DR. A. A. SUTHERLAND.
New Westminster	DR GEO E DREW
Vancouver	DR. A. S. MONRO
Anacortes	DR. H. E. FROST.

### TIME INSPECTORS.

Leavenworth	F. E. CARLOUIST
Seattle	J F HUNTER C B COPPIN
Burlington	J. H. CROSSRY
Everett	ROBT. ANDERSON
Bellingham. New Westminster, B. C.	WILBER GIBBS.
New Westimister, B. C	W. C. CHAMBERLAIN.

V	
Vancouver, B. C	PAUL & McDONALD.
Tacoma, Wash	RICHARD VEATH
Centralia, Wash	BEN SALICK
Portland, Ore	A. L. FIELD
Monroe, Wash	O E WILLIAMS
Vancouver, Wash	COOVERT & CARTER

- E. O. WADHAMS, Dispatcher. T. H. REED, Dispatcher. C. O. JOHNSON, Dispatcher. H. L. CAULKINS, Dispatcher.
- G. E. WELLIEN, Dispatcher.
- C. E. LAMKIN, Dispatcher, C. E. McKILLIPS, Dispatcher, D. MOORE, Asst. Chief Dispatcher. J. C. DEVERY, Chief Dispatcher.

M. J. WELSH, Trainmaster. W. A. SMITH, Trainmaster. L. W. WOODROW, Trainmaster.