GREAT NORTHERN RAILWAY LINE.

GREAT NORTHERN RAILWAY.

CASCADE DIVISION

TIME TABLE NO. 43.

EFFECTIVE 12:01 A. M.

SUNDAY, JULY 12th, 1903.

General Rules, Regulating the Movement of Trains, are contained in Book of Rules for the Government of the Operating Department, a copy of which must be in possession of each employe in train service while on duty.

This Time Table is not intended for the information of the public, nor as an advertisement of the time or hours of any train. The Company reserves the right to vary from it at pleasure. It is for the information of employes only.

2										D	C.T.	W E	БИ	LE	A	ENWO	C I		AL	ם עו	LA	. 1 1 1	ur.										
					WE	T BO	UND							7		EFFECTIVE	I.	_								EAST	BOU	ND					
Third 6	Class	Secon	d Class	First C	lass	First (Class	First (Class	First C	lass	First 6	lass	Coal,	Ospacity ance from	12:01 A. M.	from	O. L.	0	First Ci		First C	lass	First Ci	•••	First Ci		First C	lass	Second (Class	Third 0	Cluss
No. 4	01	No.	215	No. I	07	No.	105	No.	101	No.	3	No.	1	Tables		JULY 12th,	poka	44	4	No.	2	No.	4	No. 1	02	No. I	06	No. I	80	No. 2	218	No. 4	102
Preig Dail			Freight ally	Passer		Passe		Passe		Passer		Passes		Boales	Diet	1903.	Diet	Telegr	Teleg	Passen Daily		Passen Dail		Passen; Dall;		Passen Bally		Passes		Time Fr Dail		Freig Dati	
10.30	AMI	6-10	A M De				Ī			2-38	AM De	1.35	PM De	W. C. T.	231 1673.	Leavenworth .	. 197.4	СП	DN	2.38	PM Ar	1-35	A M AT .							5.45	P M Ar	11.05	PM A
11.80		6.55								2.58		1.55			42 1679.	4.2				2.22		1.17								5.15		10 35	
11-50								·· ······		3-12		2.11	Mt 2	₩.	65 1684.	7.0	207.9	CY	DM		Mt 1	1.07					******	**********	******	4.55		10.15	
12.25	PM									3.28		2.29			55 1691.	3.0	214.9			1.56		12.53					*******			4.25		9.45	
12.50		272-2	100000							3.38		2.35		₩.	55 1694.	4.4	217.9	CK	D	1.51	Mt 401	12.38					********	*********		4.10 3.50		9.30	
1.41	Mt.	9.30				••••				3.51		3.00		₩.	42 1701.	3.1	225.4		••••	1.33	21.401	12.30						***********		3.35		8.55	
2.15	1 Ps Mt 2		100000000000000000000000000000000000000							4.02		3.15	Ps. 401 Mt 218	W. T.	214 1705	4.3	229.7	CN	DN	1.23		12.20									Mt 1 Mt 401	8.35	
4.00		1005	1000000000							4.25		3.25	Mt 218	W. C. T.	92 1709	3.6	233.3	wn	DM	1.08		12.08	AM							8-15	NE 401	H-10	1
4.25		1045								4.35		3.35		₩.	36 1713.	3.6 -Alvin	286,9			18.51		11.51								1.30		7.30	
4.45		11.00								4.43		3.43	l		45 1715.	2.7 Cores	. 339.6			12.40	Pa 218	11-40								12.40	PM	7.00	
5.10		11 20	100000000000000000000000000000000000000							1 4.53		3.52		W. T.	58 1718	3.0	242.6	MA	DN	12.27		11.27								11.30	Mt 215	0.25	
5.50	Mt 40	1								5.03		4.02		₩.	41 1721	Nippon	245.7			12-12		11.12								10.45		5.50	Mt. 40
6.10	PM A		PM Mt 2							5.13		4-12			. So 1725.		349.2			12.01	P M M1 218	11.00								10.15	De	5.10	De
8.35	AMI	e 1.05		3.00	Mt 402					5.33)	Ar De	4.35	A: W1 402	W. O.Y.O.	165 1780	Skykomieh	254.4	ET	DM	11:35 1	De Ar	10:45	De Ar					210	PM Ar	9.25	M t 401	4 30	MILL
9-10	Mt 2			£ 3.10	PM De					5.44		4.38			. 68 1794.	Grotto	258.8			11.27		10.27						1 2.00		8.15		2 30	AT
9.45		1.50	Mt 100	3.22						5.54		4.45		₩.	58 1739.	Halford	263.5			11.18		10.17						1.50	Mt 215 Ps 402	7.50		1.50	108 P
10.25		2.10		3.37						6.08		5.00			56 1744.	Index	268.6	XX	DM	11.07		10.04						1.33		7.00		1.05	
10.56	Mt	2.25		1 3.48						6.18	Mt 218	5.09		w	81 1749.	Roby	273.4			10.56	Mt 401	9.52						1.19		6.18	Mts	12.10	PM
11.30	Mt 4	2.45		* 3.58						6.27		5.18		Y	113 1753	Gold Bar	277.4	GB	D	10.47		9.43						1.07		5.45		11.30	Mt 40
				* 4.04						6.32		5.82			. 17 1756.	3.4	279.8			10.43		9.39						12.59					
12.51	P M M t 10			4-12						6.40		5.31		₩.	76 1759.	7.5	288.2	4U	DM	10,37	Ps 402	9.33						12.51	Mt 401	5.15		10.37	2 Pa
1.40		1		4-27						6.55		5.45			. 68 1766.	6.9	290.7	RO	D	10.23		9.18		***************************************				12.36		4.35		9.25	1
2.30	*****	1000000		4.42						• 7.10		* 6.00	1		. 83 1778.	5.8	297.6	w	DN	10.00		8.53	1	***************************************				· 12.22		3.40		8.25 7.30	1
3.00	*****	4-45		4-53						7.22		6.11			1779.	1.6	. 200.4		DN	10.00		6.00						18.10	-	3.40		7.00	
3.25	PM A	5.15	PM AT													Via N. P. RY.														3.16	AM De	7.05	AMD
No. 401 E	Daily	No. 21	Daily																											No. 218	Daily	No. 402	2 dally
Third (Class	Thire	Class	4-56		9.55	M12 AM De	3.09	PM De	7.26	l	6.14	l		127 1781	Pacific Avenue	808.0	D	DN	9.55	Mt. 106	8.49	ļ	9.36	AM Ar	6.45	PM AT	12.05	PM	Third		Third	entropy empres
No. 4			403	s 5.03	1	10.05	AM De	1 3.20		7.35		6.25				I.1 Everett				. 9.50		8.44		9,32		8 40		11.59		No.		No.	Maria Carrier
Freight,	-	-	t, Daily						-		-		-					-			-		-	9.25		6.30	M11	11.50	-	THE REAL PROPERTY.		Freight	
7.00	PM D	6.00	AM De	5.08		10.10		3.25	Mt 404	7.40		6.30	Mt 106			Everett Junction		_	DN	9.46		8.39					-		-	3.20	Mt 101		VW Y
7.20		6-15		• 5.15		10.18		3.33		7-48		6.40			. 51 1786.	6.2	310.7	*****		9.38		8.31		9.17		6.20	*******	11.40		3.00		12.50	·····
7.45		1		f 5.28		10.31		3.45		8.00		6.55			1798.	4.7	1			9.25		8.20		9.05		6.07		11.27	1	2.40			
8.10	Mt 4			■ 5.37		10.39		3.54		8-13		7-10		₩.	106 1797.	4.2	221.6	DR	D	9.14		8-11	Mt 405			5.55	36. 107	11-15		2.15	1	12.20	
8-40		2000	S. House control		Mt 106	10.49		4.04		8-25		7.20			1802	5.0				9.05		8.02		8.45	MII	5.46 1 5.37	Mt 107	11106	Mt 105	1.40	t	12.01	
9.00				1 5.56		1 10.58	Mt 108	4.14		8-35	Mt 100	7.30		*******	. 26 1807	2.8		BD	D	8.55		7.53	1	8.35		5.28		10.58	311 105	1.05		11-50	1
9.15	DAT .			* 6.02		11.08		4-23		8.41	W. 2	7.40	Mt 4	W.C.T.C	103 1809	Ballard	254.7	RB	DN	8-48	MIS	7.48	Mt 1	8.25	Mt. 403			\$ 10.45		1.00	100000000	5 10 10 10 10 10 10 10 10 10 10 10 10 10	1
	PM A		The said		mar .	11.15		4.30	PM AT	9.00	AM Ar	7.45	PM A		706 1810	4.4	899.7	BA	DN	8.30	AM De	7.30	PM De	8-10	AM De			10.30				11.00	
•••••				6.20	PM Ar	11.30	AM Ar	4.45	- At	9.00	AM AF	8.00			1919		1			6.50	The De	7.30	1	00							1		
							1				•	-	1								1		-					-				No. 400	

West Bound Trains are Superior to East Bound Trains of the same class. See Rule 42.

BF All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rock are liable to be encountered. Destroy all Time Tables of previous date. (See Rule 5.) Trains must not follow each other out of Stations less than 15 minutes apart.

Nos. 107 and 108 will stop on Signal at Berlin, one and one-half miles west of Skykomish and at G. N. Shingle Co. siding one mile east of Halford. Trains 101 and 103 will stop on signal for passengers at the Great Northern Clay Co,'s works at M. P. 10, between Metum and Richmond Beach.

Standard Clocks are located at telegraph offices at Leavenworth, Skykomish, Delta, Interbay and Seattle.

Trains on this division will be governed by Pacific Standard Time.

Trains on the division will be governed by Facific Standard Time. Conductors of all trains, and engineers running without conductors, must register their arrival and departure at Leavenworth Cascade Tunnel, Styriomish, Lowell, Delta, Pacific Avenue, Everett Junction, Interbay and Settle, stating whether they are or not carrying signals. No trains will be considered registered unless such notation is made, and in case of emissions, conductors of trains affected will govern themselves accordingly and report the fact to the Superintendent.

Trains in the same direction down grade between Skykomish and Leavenworth must keep at least 25 minutes apart and operators will block trains as provided in

this rule.

All trains must use 15 minutes between Seattle and Interbay.

Trains will date from time due to leave terminals. Leavemorth and
Seattle will be considered terminals for passenger trains; Leavemorth, Everett Junction, Interbay and Lowell for freight trains.

Skykomish will be considered terminals for Nos. 107, 105, 401 and 402.

Trains and light empions will stop at drawbridge one-fourth mile east of
Snohomish.

Snohomish.

All trains will reduce speed to cight miles per hour through Martin
Creek tunnel and over bridges at each end.

check tunnel and over bridges at each end.

checkled between Lawawewsth and Shydwnish.

Tassenger trains descending the two and two-tenth per cent grade between
Leavemorth and Skydwnish must not zeceded thirty-twe miles per hour and west

bound trains should not exceed schedule time through Cascade Tunnel. Pass-enger trains between Everett Junction and Seattle must not exceed 45 miles per hour.

hour.

Additional to other required tests of the air brake, no train will leave Cas cade Tunnel until the air brakes have been carefully tested. Engineer will set the brakes send lever them set until trainment examine each car, then release them, and trainment will again examine each car and see that brakes release before giving the signal test and the train. Conductors must inform of "air" are working each based and empty in the train, and how many care all relatives must be used from Cascade Tunnet to Merritt, and from

All retainers must be used from Cascade Tunnet to Merritt, and from Caleuskum to Leavenworth, and from Cascade Tunnet to Shykomish.

NOTE—All trains (and light engine) are operated under a block system between the depot at Cascade Tunnel, and the east switch of the passing track at Wellington.

No westbound train (or engine) must pass the depot at Cascale Tunnet, and no castbound train (or engine) must pass the east switch of the pessing track at Wellington, to enter the block, without a clearance card, properly filled out, in the possession of the conductor and engineer, respectively.

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

Seattle yard limit extends to the yard-limit board east of Ballard. All trains except regular passenger trains will run under control between this yard-limit board and Seattle, expecting to find main track occupied.

West-bound trains will not exceed schedule time between Halford and the east mile-board at Gold Bar.

All except first class trains must be under absolute control while passing through yard limits Leavenworth, Skykomish, Lowell, Pacific Avenue and Delta.

BETWEEN PACIFIC AVENUE AND BROWNSVILLE.

		EA	T BOUND				1		1	100		WEST BO	UND		
Third Class	Second Class	Second Cines	Second Class	First Class	First Class	bles, V	4.	EFFECTIVE	D Sea	First Class	First Class				
No. 409	No. 407	No. 111	No. 109	No. 105	No. 101	250	98	12:01 A. M. JULY, 12th,	ues froi	No. 102	No. 106	No. 110	Second Class		Third Clas
Freight Daily Except Sunday	Preight Daily	Mixed Daily Except Sunday	V. T. BY. Daily	Passenger Daily	Passenger Daily	Wa. Reales,	ʰ.	1903.	Telegr	Passenger	Passenger	V. T. RY.	Mixed Bally Except	No. 408 Freight	No. 410
		6.00 AM D				=	-		-	Daily	Daily	Daily	Sunday	Dally	Ex. Sunday
		6.05	1.00		10.20 AM D			Brownsville	144.5	3.00 PM A		12.40 PM A	8.10 PM A		
		1 6.15	1.00			W. T.	D.	Liverpool	142.4 MN	. 250		12.30	. 7.55		
			1.40					Bon Accord	189.7	1 243		12.20	1 7.45		
	***************************************	6.35	1 10		1 10.45			Port Kells	133.1	1 2.27		12.05 PM	1 7.20		
		6.50	2.05 PMA	·····	1 10.57		. D.	Cloverdale	127.8 CL	1 212 Mile		11.50 AMD	1		
		7.10			1 11.09			Hazelmere	122.7						
	•••••	7.201 Ar 7.251 De 7.271 Ar 8.001 De			11:13) A:			Douglass B.C	1000	1.45 1 De	1		6.40		*********
		8.001 De			11 20) Ar	w.	D.	Bisine	119.3 BM	1.35 De			6-13 Ar		
		8.40						_ 7.2					6.10 De. 6.00 Ar.	***************************************	
		8.55					Contract Contract	_ 2.7					1 5.35		
		9:30			12:01 PM		-	Enterprise		1.10			f 515		
		9.45					. D.	Ferndale	106.5 FD	1 02			• 5.00		
	10.40 AM De	10.25 AM A			1 12.08			Brennan	103.9	1 12-55			1 4.35		
	10.55				12.25	T.	D.	····· Whatcom ······	97.1 HM	· 12.40	9.30 PM Ar		4.15 PM De	4-00 PM Ar	
				7.08	12-30 Mt 10	w.	D.	Fairhaven	95.2 PM	12.30 Mt 10	9.25			2.15	
	11.25			7.18	12.43			Chuckanut	91.0	f 12-16					
	12.01 Mt 102			1 7.30	1.00	w.			85.1	tiani PM	1 8.57				
	12-35			1 7.39	1.09		D.	3.7 Bow	1000	1 1 1 40		********		The second second	
	1.20 Mt 404			1 7.50	1 1.20 Pr 407			Belleville	200	111.40				1.55	
40 AM De	1.56			L 1	1 100		D.	2.6		CONTRACTOR OF STREET			******	1.20 Milion	
0	3.00		1					Burington		11.30 Ps 408	8.27			2 BO 102 Ps	7.00 P
O Ms 408	0.00			8.19			D.	Mt. Vernon	49.6 NR	• 11.14	8.13			10.25 AM Ar	6.30
O Mt 102				8-31			D.		64.4 F	f 10.56	• 7.59			9.40 11:409	6.00
	4.20			8.47 Mt 408	2.09	• ••••	D.	Stanwood	87.3 B	1 10.39 Mt 409	* 7.44			8 47 Mt 105	5.30
0	5.05 Mt 410			9.00	2.22	₩.	D.	Silvana	51.8 NA	10.24	. 7.31		-	7.45	5.05 X
O PM	6.10			• 9.23	2.42		D.	Marysville	40.7 MB	· 10.00	7.10			6.45	
O PM A	7.00 Mt 106			9.43 Mt 101	2.57	WC.O.Y.T	D.N.	Delta	86.8 PG	9.48 De 9.43 Ar Mt 105	7.00 Mt 407			5.45 A MDe	4-10 3-25 P
			ALL TRAIN	WILL USE	NORTHER	N DAC	IFIC T	PACKS BETWEEN					- 1	5-45 E ALDE	3-25 IF
						FAC		RACKS BETWEEN	DELTA	AND N. F	. JUNCTION	, 1.2 MILES	s		
								N. P. Junction	32.1 H	9.40					
		No. 111 Mixed		9.55 AM Ar	3.09 PM A		D. N.	Pacific Avenue	34.0 D	9.36 AM D	6.45 PM De				
400 daily	No. 407 daily	Daily	No. 109 V. T. RY.	No. 105 daily	No. 101 daily					No. 102 dail-	Wo. 105 dette	No. 110	No. 112 Mixed		No. 410 da
		ex. Sunday	Daily	and	Her Lot daily					No. 102 daily	No. 106 daily	V. T. RY.	Daily ex. Sunday	No. 408 daily	No. 4

East Bound Trains are superior to west bound trains of the same class. (See Rule 43.)

SPECIAL RULES --- Pacific Avenue to Brownsville.

Destroy all Time Tables of Previous Date [See Rule 5.]

Destroy all Time Tables of Previous Date [See Rule 5.]

All except first-class trains must be under absolute control while passing through yard limits at Delta, Burlington, Pairhaven and Whatcom. West yard limit board Whatcom, located 400 feet west of round house track switch.

Delta yard limit commences 500 feet east of junction switch, east of coal chute and claw bridge at west end of Delta yard on Coast Line and around the point on the Bay side (old Coast Line) to Everett Junction and Delta Yard and all trains will be operated by train orders over this district. (Going toward Seattle is west bound.)

Switch at Everett Junction will be kept set for main line.

Destroy all time tables of previous date. See rule No. 5.

Standard clocks are located at telegraph office at Delta and Whatcom.

Trains on this division will be governed by Pacific Standard time.

Conductors of all trains, and Engineers running without conductors, must register their arrival and departure at Pacific Avenue, N. P. Junction, Delta, Belleville, Whatcom, Blaine and Brownsville, stating whether they are or not carrying

signals. No train will be considered registered unless such notation is made, and in case of omission, Conductors of trains affected will govern themselves accordingly and report the fact to the Superintendent.

No trains will cross international boundary at Blaine without permission of customs officers.

Trains must not follow each other out of stations less than 15 minutes apart.

Pacific Avenue, Whatcom and Brownsville are terminals for passenger trains. Delta Whatcom and Brownsville for freight trains.

reciper trains.
All trains must stop at draw bridges and railroad crossings at a distance not exceeding 200 feet from same.
Conductors of trains hauling logs must stop on all summits and see that brakes are properly set before descending grades. Trains 407 and 408 will not carry passengers.

All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rock are liable to be encountered.

J. C. DEVERY, Chief Train Dispatcher.

SKAGIT BRANCH.

	1	BOUND		1-1-	1 1	I		WEST B	OUND	
First Class	First Class	First Class	First Class	abern orte	EFFECTIVE	1	First Class	First Class	First Class	First Class
No. 129	No. 127	No. 125	No. 121	on Numb	12:01 A. M.		No. 122	No. 126	No. 128	No. 130
Passenger Sunday Only	Passenger Sunday Only	Mixed Daily Ex. Sunday	Mixed Daily Ex. Sunday	Biation	JULY 12th.	- C	Mixed Daily Ex. Sunday	Mixed Daily Ex. Sunday	Passenger Sunday Only	Passenger Sunday Only
6-50 PM De			7.45 8.05	c n 44 43.6 c n 39 38.3	Rockport	70 50 50	3.00			
7.05	11-10	6.50 7-20	9.10 9.85 10.10	on 30 29.9 24.6 on 22 21.2			1.30 12.50 12.20 PM	9.45 PM At 9.20	2-35 PM Ar 2-23	9-20 PM A 9-08
7-50 PM Ar	11-37 11-44 11-49	7-55 AM AI	12.01 PM 12.15 12.30	c n 17 18.6 c n 15 13.9 c n 13 11.0 c n 11 9.7	Burlington YW BU 3 Ayon 1 Fredonia Whitney 2	5	7.35	S-SO PM De	1.35 De 1.80 Ar 1.13	8-30 PM I
	12-06 PM 12-18 12-20 PM Ar		1.20 1.30 PM AF	cn 5 4.1 cn 2 0.6 cn 0 0.0	Draw Bridge	5	7.05 6.50		12-43	
unday Only	Sunday Only	Daily Ex. Sunday De	ally Ex.Sunday			D	ally Ex.Sunday I	sily Ex.Sunday	Sunday Only	Sunday Only

NOTE.—CHANGE OF DIRECTION.

DESTROY ALL TIME TABLES OF PREVIOUS DATE. (SEE RULE 5.) East Bound Trains are superior to West Bound Trains

of same class. (See rule 43.)
All Trains will Register at Anacortes, Burlington,
Hamilton and Rockport.

Yard limit at Burlington 2,500 feet west of transfer switch. All trains must be moved under perfect control expecting to find trains occupying main line within these limits.

All Trains will come to full stop Two Hundred Feet from Draw Bridge, and will not proceed until they get signal from Bridge Tender, nor exceed Four Miles an hour while crossing Draw Bridge. All Trains will come to Full Stop before passing over R. R. Crossing at Burlington and Woolley.

Water tank at Minkler's Mill, two miles east of Lyman.

NAME AND LOCATION OF SPUR TRACKS.

NAME OF SPUR	Location	STA	TIONS	(and	Track	T T T	NAME OF SPUR	Loca-	STAT	rions			2			STAT	towa	8		15
	-	WEST	HAST	- 5	Opens	20	NAME OF STUR	tion			15	Track Opens	25	NAME OF SPUR	Loca-	SIAI	IONS	8	Track	95
louse Track	0.0	Anacortes		0.1	West	-			WEST	HAST	ā	Opens	20		tion	WEST	RAST	3	Opens	90
epair Track	0.6	Tenth St.			West	3	Burlington Mill Spur	16.0		Burlington	0.6	East	-	Hop Ranch Spur	30.6	Lyman		0.8	Past	+
tore Track	0.6	Tenth St.		_	West	15	Holbrook's Spur	20 8		Wooliey	0.4	East	1 3	L. L. Spur	33.0		water and perfect the same of		East	- 3
kagit Mill Spur	1.1	Tenth St.		_	West	-0	Bound Iron Spur				-	East							East	-
torm Mill Spur		Tenth St.			West	30	Johnson's Spur					East		Alder Spur	35.1				East	- 17
kagit Mfg. Spur		Tenth St.			West	8	Tyee Spur, Y	22.6	Woolley		-	Hoth end		Hightower No. 2	16 €	**************************************	The second second	man a		- 17
og Rollway	2.5	Tenth St.				-0	Green Mill Spur	24.5	Westles		-	East	-	Wiley Spur	44 6	Grassmere			Hast	10
ravel Pit Spur	6.5	Tenth St.	*** *********	-	Both ends	25	Duncan's Spur		Cokedale Jct.		- 0	East	35	Van Horne's Spur	47.2	Grassmere	Faber	-	-	- 3
		Fredonia			East	9			Cokedale Jct.			Both end		Hightower No. 3	46 9		Faber		West	18
			Avon		East	4	Child's Spur	28 2	Cokedale Jct.			East	17	Sauk Spur	51 5		Rockport		West	115
			., ., .,	10.31	Dast	2			Lyman			East	-3		33		Rocaport	2.0	Trast	1 2

NAME AND LOCATION OF SPUR TRACKS.

	Lecation	STAT	MON	Dirtage	Track	i
NAME OF SPUR	M. P.	BAST	WEST	12	Opens	Capacity
Woods Spur	1688.1		Chiwaukum	2.5	Rast	
Foss River Spur	1728.0		Tonga		East	
Kirby Mill Spur		Skykomish		0.1	East	1
Skykomish Mill Co.'s Spur	1732.4		Skykomish	0.3	Rest	7
Berlin Spur			Skykomish		West	-
Grotto Mill Spur	1735.6	Grotto		0.5	East	1
G. N. Shingle Co.'s Siding	1739.6		Grotte	3.5	Both ends	13
Heybrook Spur	1744.7	Index		1.5	East	1-
Ellis Quarry Spur	1745.7	Index		0.5	West	1-
Soderburg Spur	1746.9		Index	0 7	West	1
May Creek Spur	1754.6	Gold Bar		0.5	West	1
Robinson's Spur	1755.6		Gold Bar	0.5	East	13
Black Bros. Spur	1757 4	Wallace		0.0	West	1
Rileys Spur	1757 7	Sultan		3.1	East	1-
Caseys Spur	1759.5	Sultan		1.3	East	i٦
Owens Spur	1763.6	Monroe		4.7	East	1
Holmquist Spur	1767.3	Monroe		1.0	Rast	r
Monroe Gravel Pit	1768 3	Monroe			West	1
Wood and Iverson Spur	1771.3		Monroe	3 0	East	r
Cascade Cedar Spur	1775.2	Snohomish		0.3	East	17
Creosote Spur	1780.6	Lowell		0 5	West	1
House Track	1781.1	Lowell		0,0	East	
Seiffert Spur	1781.3		Pacific Ave.	1	East	r
State Mid Co.	35.2		Everett	0.5	East	1
Power House Spur	1782 2		Everett		West	-
G. N. Clay Co. Spur	10 2		Metum	2.0	West	1
E. W. Mills Spur	12	Richmond Bch		2.3	East	1-
Brady's Spur	17.4		Edmonds		West	1
Sand Spur			Edmonds	3.4	West	1-

NAME OF SPUR	Lecation	STAT	TON	Distanse	Track	Capacity
INAMA OF BIOR	M.P.	EAST	WEST	100	Opens	1
Hall Hill Mill Co.	32.5		Everett Jct.	0.5	East	-
Bell Mill Spur	32.8		Everett Jct.	1.0	Bast	3
Nail House Spur	32.8		Everett Jct.	1.0	West	13
Nickerson Mach'y Co.	33.1	Everett		0.0	West	1
Everett Milling Co.	33 5		Everett Jct.	1.5	East	1
Clark-Nickerson Mill	34.0		Everett Jct.	1.8	West	4
Wheelihan Spur	34.1	Everett Jct.		1.9	West	
Neffs Spur	34.5		Long Siding	1.0	East	-
Blackman Spur		Long Siding		0.4	East	
Union Slough	37 3	Marysville		1.5	East	- -
Cox's Spur	42.7		Marysville	2.0	-	-
Marysville Shingle Co.	42.7		Marysville	2 0	Hast	- -
Zindorf Spur	42.7		Marysville	1 0	East	-
Kennedy Spur	45.2		Marysville		East	-
British Spur	45.5				East	1
Summit Mill Co.	46.0		Marysville	4.7	Enst	-1-
English Spur	47.0	Silvana			East	1
Norman Spur	51.0		Silvana		East	-
Rabels Spur	51.7		Silvana		West	- -
Manley & Church Spur	54.2	Stanwood			East	- -
Hals Spur	54.3	Stanwood			West	
Ketchum Spur	59.6		Stanwood		East	-1-
Morrison Mill Spur	61 6	Fir		2.5	East	- -
Milltown	62.2	Fir			East	- -
Hawley Spur	62.4				West	-1-
Skagit Crossing	63.4	Fir			East	
Little Mountain Spur	67.7			-		-
Skagit Spur	-		Mt. Vernon		Bast	- -
Burlington Quarry	_		Burlington		East	1
Samish Pit		Belfast		0.6		

NAME OF SPUR	Location	STAT	ION	Elitano.	Track	Ting.
NAMES OF SPUR	K. P.	EAST	WHST	4	Opens	3
Sound Shingle Co.'s Siding	79.4		Bellville	2.9	Both Ends	8
Butler Spur	77.6		Bellville.		East	2
Desmond Spur	8t .7	Alger		1.4	West	6
Gaudett Spur	82.5	Alger		0.0	East	12
Samish Lake Spur	85.2		Samish Lake	0 1	East	1 80
Owens Spur	85.2		Off Samish Sp'r	0.1	West	1 8
Lindley Spur	85.2		Off " Lake	0,1	East	3
Winner Shingle Co.'s Spur	81.2	Bow		0.2	West	6
McCoy Spur	80.3	Bow	*******	1.2	West	1 3
Alger Mineral Spur	82 5	(Old	Line)	1		. 9
Blauchard Spur	84.1	Samish		1.0	West	1 3
Puget Sound Mill Track	94.9		Fairhaven	0.0	West	1 9
Export Mill Spur	95.0		Fairhaven	0,0	West	10
Cannery Track	95 2		Fairhaven	0.0	But Enis	15
Pacific Sheet Mill	-		Fairhaven		East	3
Loggie Spur	97		Whatcom	0.0	West.	21
Mill Spur (Simpson)			Whatcom	1.0	West	1 8
LaPointe Spur			Brennan	0.0	East	1 2
Henry Spur		Brennan		1.0	East	1
Sand Pit Spur	108.7	Enterprise			East	-
Shields Spur		Enterprise			East	
Enterprise Spur	109.2		Ferndale		Rast	1 6
McDonald Spur	-		Custer		East	1 3
Melrose Spur			Custer	2.5	East	1:
Blaine Spur		Blaine			East	1
Shelton Spur (off Blaine spr.)					East	1
City Dock Spur (off Blaine spur)				-	East	6
Brie Mill Spur (off City Bock Spur)					East	-
Monarch Mill Spur(all City Beck Spr.)				_	East	1
Hazelmere Spur	122.4		Blaine		West	+
Gravel Spur	137 0		Port Kells		East	+

DERAIL SWITCHES.

Derail Switches must always be set for derail except when in actual use, whether there are any cars on these tracks or not.

Cascade Tunnel, east passing track lead, 30 feet from main line.

Wellington, west end passing track.

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

Alvin, 150 feet east of west passing track switch head block.

Tonga, west end passing track.

Index Passing track 120 feet from west head block.

Roby, west end passing track.

Rilis Quarry Spur.

Power House Spur, 105 feet from head block.

Samish Lake, M. P. 85.2, on Spur, 3635 feet north from head block.

Chuckanut, east end siding.

B. B. & R. Transfer Track east end.

Capacity of Different Classes of Engines in Tons in Addition to Weight of Engine, Tender and Caboose—Cascade Division.

		COIN	IC EAS	ВТ					
	- Mar	I			CL	ASS			
STATIONS	Ruling	50,584,500,51	45, 451, 48	38	39-43	37	35-36	33-34	30
	20	20x32 210 lb	19132 200 lb	20x26 180 lb	19x26 18o lb	19x24 18o lb	19x24 150 lb	18x24 145 lb	17×2
Everett to Skykomish	1.0	1200	1000	865	775	715	575	435	385
Skykomish to Cascade Tunnel	2.2	600	480	410	360	340	276	200	183
Cascade Tunnel to Leavenworth	Down								
		COINC	WES	T					
	1				CL	ASS			
STATIONS	Ruling	54,50a,50a,51	45, 452, 48	38	39-43	37	35-36	33-34	30
	20	20x32	19x32 200 lb	20x26 180 lb	19x26 180 lb	19x24 18o lb	19x24 150 lb	18x24 145 lb	17×2

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.

Asst. General Superintendent,

Time Inspectors: Leavenworth, F. S. TAYLOR; Everett, S. O. WALLGREN; Seattle, J. F. HUNTER.

F. S. ELLIOTT.

Assistant Superintendent.

W. D. SCOTT,

Superintendent.

H. A. KENNEDY,

GEO. T. SLADE,

2.2

Down

Leavenworth to Cascade Tunnel

Cascade Tunnel to Lowell

General Superintendent.

F. E. WARD, General Manager.

CONTENTS OF MEDICAL CASE.

Conductors Must Study and Familiarize Themselves with the List of Articles in the Case, and Their Uses.

No. 1. Rubber Bandage and Tourniquet, for stopping hemorrhage; apply on sound flesh above the wound, draw tightly each time, and encircle the limb until the whole bandage is used. Faster securely in slot.

No. 2. Twelve Assorted Muslin Bandages, to hold dressings in place, assist in stopping hemorrhages, and hold splints upon fractured limbs; wind around the injured part from below upward.

No 3. Six packages of Borated Gauze, a prepared dressing for open wounds, always used to cover large wounds; apply wet (by dipping in solution, see No. 7) directly to the wound

No. 4. Pour packages Absorbent Cotton. This is for making compresses, and to assist in covering a large wound;

No. 5. One ounce Styptic Cotton. This Cotton is permeated with a substance which stops small hemorrhages: apply directly to small wounds and hold in place with muslin bandage.

No. 6. Two ounces Bicarbonate Soda, for burns and scalds, one tablespoonful to a quart of water; saturate a piece of the gauze and apply over a burn or scald, and fasten with bandage.

No. 7. One bottle Corrosive Sub. Tablets. These small tablets are to be dissolved in clean water, preferably warm, in the proportion of one tablet to a pint of water; with this solution you disinfect a wound and keep it free from infection.

THEY ARE POISONOUS if swallowed or the solution be drunk.

No. 8. Four Surgical Needles, to be used for closing small cuts or jagged wounds, after thoroughly cleansing with the sublimate solution.

No. 9. One Pair Scissors, used in cutting dressings, bandages, clothing, etc.

No. 10. One Pair Forceps, used for removing bits of gravel, and to seize a bleeding artery while it is being tied.

No. 11. One Dozen Envelopes Catgut (two sizes), to be used in tying an artery when it is seen free and bleeding in a wound, also for closing small wounds. Never Save any Catgut once the envelope is open. Note directions on envelopes.

No 12. One Roll Adhesive Plaster, for closing small torn or cut wounds, after they are cleaused with the sublimate solution. It needs no heat; apply directly to the skin, which must be perfectly dry.

No. 13. One Cake Red Cross Soap, used in cleansing an injured part around a wound.

No. 14. One Can Chloroform, for anæsthesia.

No. 15. One Ounce Antifebrine, an antiseptic powder for dusting on fresh wounds.

No. 16. One Hand Brush, for brushing the hands and nails thoroughly with the Red Cross Soap before handling an open wound.

No. 17. One Enamel Tray, for corrosive sublimate solution (see No. 7).

No. 18. One Yard Wire Gauze, for making splints (see directions under fractures, No. 5).

No. 19. One Dozen Safety Pins.

No. 20. One Pyramid of Pins.

RULES FOR TREATMENT OF THE INJURED IMMEDIATELY AFTER AN ACCIDENT.

 Shock. This condition usually follows every severe injury. The chief point is to restore heat to the body as soon
as the injured person is put in a comfortable position. Do this by covering with heavy coats, previously warned, if practicable. Cut off the shoes or boots and wrap the feet in a warmed coat or blanket. Give only small dose of whiskey in hot water.

Hemorrhage (Bleeding). This follows shock, and is rarely severe until reaction takes place. Too much stimula-tion increases hemorrhage and for this reason it is best to give only a little stimulant, well warmed, and repeat the dose if

Bleeding of two kinds: First, arterial, when the blood comes out bright and red and in spurts. Second, venous when the blood is dark and flows in an even stream.

A. To stop hemorrhage when the wound is large and the blood comes out in spurts. Apply the rubber band tightly just above the wound, previously raising the wounded part, especially if it be a limb. Be careful to put the band on UMINJURED FLESH if the limb be badly crushed and about three inches above the crushed tissues, else it would slip down and increase the hemorrhage. Be very careful to see that the band be firmly fixed before leaving it. Small wounds, even though the hemorrhage has arterial, require only a firm compress of the sublimated gause placed immediately over the wound and bandaged tightly in place with one of the muslin bandages. It is best after this to bandage firmly from the extremity (hand or foot) upward to beyond the wound with muslin bandages.

B. Venous bleeding, which occurs when the wound is shallow (does not go deeper than the skin), as a rule requires firm pressure over the wound and especially below it. If the wound be quite small, put a wad of styptic cotton into and over it and bandage tightly in place, and then apply a bandage from below upwards over and beyond the wound. If the wound be extensive, fill it full of sublimated gauze and then put a thick wad of absorbent cotton over it and bandage tightly from below upward.

C. Bleeding from the head, if only the scalp is involved, may be controlled by bringing the wounded or torn surfaces together and applying along the wound a thick layer of styptic cotton, and over this another layer of absorbent cotton and a tight bandage. It is well to pass the bandage under the chin if the wound be on top of the head, as this holds it firmer

3. Remove the clothing from the wounded part by cutting it away. Do not attempt to tear or draw clothing off, as this may further injure the wounded part. Always see the wound and know by your eye just what the nature of it is. 4. After Hemorrhage has been stopped. The next point is to prevent the wound from being infected and thus prevent blood poisoning. To accomplish this the wound should be cleaned if badly solled. If solled by oil and soot or dirt, vent oloog poisoning. To accomplise this the would should be cleared it being soles. It soles by the size of the bathe it gently with a small quantity of antiseptic soap and warm water. After it is apparently clean, wash it out carefully with a pint of warm water in which one of the corrosive sublimate tablets has been disolved, using a piece of gause to do this. Then wet several layers of the borated gauze in a fresh solution of the same strength used in washing the wound and lay them over the wound and bandage in place with a muslin bandage. Always cover an open wound with a piece of gauze

wet in the solution of corrosive sublimate (one tablet to a pint of water) before transporting the wounded man. Never allow an open wound to remain unprotected longer than the time employed in stopping hemorrhage. Remember a solled covering is worse than none at all, however.

5. Fractures. If a bone be broken in any of the limbs the member should be firmly fixed before the injured individual be moved. If this be not done, great injury may result by the movements of the sharp fragments of the hone while the individual is being transported. Use flat piece of wire gauze, broken or cut into strips long enough to reach beyond the two dividual is being transported. Use flat piece of wire gaure, broken or cut into strips long enough to reach beyond the two nearest joints, will do. A bundle of twige or stout straws may also serve when nothing else is to be had. Always put one of the improvised splints on either side of the limb, then tie a bandage over the splints at their extremity and in the middle. If there be a wound treat it according to the foregoing rules and then apply the splints, using some clean gaure as padding or some strips torn from clothing. If there be no wound, apply the splints over the tronsers elseve. If nothing of any kind can be obtained to make a splint, tie the fractured leg or thigh to the sound one, or the fractured arm firmly to the side of of the body, by a muslin bandage.

6. Compound fractures are fractures accompanied by a wound of the soft tissues at the point of fracture, so that the bone is exposed to the air. In these cases treat hemorrhage and the wound according to the foreyoing rules and then apply some is exposed to the sir. In these cases treat armormage and the would account to the total grounding rules and then apply splints. If the bones project beyond the skin, remember to bring them back into place by pulling the extremity in the direction of the displacement, never in the direction the bone normally should be until the ends of the fragments are quite free from any over-riding. Be very careful always to cover these WOUNDS with the wet sublimate GAUZE and bandage it on.

7. Burns. Carefully remove the clothing by cutting it off, if the part be clothed, and apply immediately three or four thicknesses of the borated gauze wet in warm water, in which one tablespoonful of the bicarbonate of souls to the quart has been dissolved. As a rule never attempt to clean burns immediately after they occur. Cover the wounded part immediately as directed above and leave the cleansing to the surgeon afterward.

Extensive burns are attended by great shock as a rule, and require free stimulation. As burns are very rarely followed by hemorrhage, stimulants may be and should be given in considerable quantities.

8. Prostration from Excessive Heat. In these cases (not sunstroke) the face is pale, lips colorless or blue, breathing slow and quiet, pulse slow and very weak. Place the patient on his back, with his head level with his body, and loosen clothing. Apply heat to the surface of the body and extremities. Bathe the face with warm water into which a little alcohol or whiskey has been poured, and if he can swallow, give the patient an ounce of whiskey is as much warm water.

B. Prostration from Drinking too much Ice Water when Overheated. The face is red or even purple, the breathing heavy and irregular, pulse irregular. Loosen clothing, place on back with head slightly elevated. Give hot drinks, apply heat to the spine and the extremities.

9. Position in which a Patient should be Placed after Injury. Injuries to the head require that the head be raised higher than the level of the body. In all cases, if practical, lay the patient on his back with the limbs stretched out in their natural positions; loosen the collar and waistbands, and unless the head be injured, remember to have the head on the seme level as the body. Do not bolster it up with anything.

INSTRUCTION FOR STRETCHERS.

The equipment includes-

I Stretcher, I Pair of Blankets,

I Pillow,

I Pillow Case, I Rubber Pillow Case,

t Water-proof Cover.

I Pair Wall Brackets.

The bedding and side pieces are to be kept strapped on the stretcher, and the latter placed on the wall bracket.

When about to use the stretcher, unbuckle the straps from the side pieces which hold down the bedding, and buckle them tightly underneath, to guard against the breaking of a spring; place the side pieces properly on the sales, place the rubber cover over the stretcher for protection against blood and discharges. The blanket is to be used double, as a cover

Whenever necessary to do so, the patient may be lifted on the inner portion of the stretcher, resting on the aprings, without lifting the whole stretcher. In cramped positions, and for purposes of examination, this will be found convenient

When storing the stretcher away, fold the blanket and pillow neatly into a narrow, even and compact parcel, and envelop this in the rubber cover, folding in the ends first. Place this on the stretcher with the side pieces on top, to maist in holding it in position, then pass the straps through the keepers on the side pieces, and fasten all suggly in place. This will protect the bedding, if properly done, from moths and wei. The whole stretcher should then be placed on the brackets.

The blanket should be taken out occasionally and shaken, to prevent damage from moths, as well as to keep it cleanly at all times. Replace at once, so that the stretcher is ready for immediate use whenever required

The stretcher and bedding must not be used for any other purpose than in transporting injured persons.

Agents will be personally responsible for the care of property, and will be particular to take proper receipts whenever it is allowed to go out of his possession, and will notify his Division Superintendent when sent out and by whom. Stations where stretchers are kept are as follows:

St. Paul Frt. Office. Sioux Falls. Glasgow, Leavenworth, St. Paul Shops, Sioux City. Havre. Everett. Minneapolis Jct., Breckenridge, Great Falls Shops, Carman. Hamline Transfer, Grand Forks. Cut Bank. Cass Lake. St. Cloud Shops, Larimore. Kalispell, West Superior, Melrose. Devils Lake, Libby, Sandstone, Barnesville, Minot. Spokane Shops, Swan River. Willmar Williston

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