GREAT NORTHERN RAILWAY



MARCUS DIVISION.



TIME TOEZE NO. 8

TO TAKE EFFE

LVE-O

O'CLOCK A. M.

SUNDAY,

Superseding Ti

17, 1915.

ements thereto.

THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY.

F. D. KELSEY, Superintendent.

GEO. S. STEWART, Asst. General Superintendent.

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

J. H. O'NEILL, General Superintendent. GEO. H. EMERSON, General Manager.

nins of the same class.) miles per hour between Falls; and twenty-five (25) ains must not exceed speed when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers, Valley, and ½ mile south of	THIRD CLASS 702 Freight Daily Lv 2.00Am 2.40 3.00 3.20 3.35	258 Passenger Daily Ex. Sunday Lv 4.25Pm 4.42 5 5.15 f 5.25	Lv 8.55Am s 9.10	Passenger Daily Ex. Sunday Lv 8.55Am s 9.10	Passing Tracks Garage	acity	Distance from Spokane	Time Table No. 8 In Effect October 17, 1915 STATIONS SPOKANE	теlegraph Calls	Distance from	SIGNS See Rule 3, page 11.	Passenger Daily Ex. Sunday	255 Passenger Daily Ex. Sunday	261 Passenger Sunday Only	701 Freight
) miles per hour between Falls; and twenty-five (25) ains must not exceed speed when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	Preight Daily Lv 2.00/m 2.40 3.00 3.20	Passenger Daily Ex. Sunday Lv 4.25fm 4.42	Passenger Sunday Only Lv 8.55An s 9.10 TRAIN	Passenger Daily Ex. Sunday Lv 8.55Am s 9.10	Passing Paracks		Distance from Spokane	STATIONS	Telegraph	Distance	See Rule 3, page 11.	Passenger Daily Ex. Sunday	Passenger	Passenger	Freigh
) miles per hour between Falls; and twenty-five (25) ains must not exceed speed when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	Daily Lv 2.00Am 2.40 3.00 3.20	Daily Ex. Sunday Lv 4.25Pm 4.42	Sunday Only Lv 8.55An s 9.10 TRAIN	Daily Ex. Sunday Lv 8.55Am s 9.10	Paesing Tracks	Other Tracks	Distance		Telegray	Dista		Daily Ex. Sunday			
) miles per hour between Falls; and twenty-five (25) ains must not exceed speed when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	Lv 2.00 km 2.40 3.00 3.20	4.42 s 5.15	s 9.10 TRAIN	Ex. Sunday Lv 8.55Am s 9.10	Pa	100 I	Sp		F	1		Ex. Sunday	Ex. Sunday	Sunday Only	Dei
) miles per hour between Falls; and twenty-five (25) ains must not exceed speed when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	2.40 3.00 3.20	4.42 s 5.15	s 9.10 TRAIN	s 9.10				SPOKANE	F	101 2					1781
when provided with proper take on passengers only. uckeye, Holland Horr Spur, and District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	2.40 3.00 3.20	s 5.15	TRAIN								R⊛ W	Ars10.25Am	Ars 5.20Pm	Ars 8.05Pm	
take on passengers only. uckeye, Holland Horr Spur, nd District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	3.00			S BETWEE			4.7	HILLYARD	so	96.5	R⊕DN WCTO	\$10.10	• 5.05	* 7.45	Ar 2.
uckeye, Holland Horr Spur, nd District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	3.00		s 9.30		N SP	OKAI	NE ANI	DEAN WILL BE GOVERNED BY	SPOK	ANE D	IVISION TIME T	ABLE AND R	ULES.	3	
uckeye, Holland Horr Spur, nd District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	3.20	f 5.25		s 9.30	53	49	13.8	9.1 DEAN	SF	87.4	R DN W	s 9.50	. 4.45	* 7.25	1
nd District. est of air brakes at Meyers dale, Clines, Grays, Kulzers,	3.20		1 9.40	257 9.40	52	18	17.6			83.6		f 9.40	4.33	s 7.15	12
est of air brakes at Meyers dale, Clines, Grays, Kulzers,		1 5.33	1 9.47	9.47		12	20.7	DARTS		80.5		1 9.33	4.26	1 7.07	12
		1 5.41	1 9.53	9.53		17	22.7	DENISON		78.5		1 9.28	4.22	1 7.03	11
Valley, and 1/2 mile south of	4.00	s 5.52	\$10.02	s10.02	64	43	26.5	DEER PARK	DE	74.7	D W	s 9.20	4.14	* 6.55	11
	4.26	6.02		10.10	-	27	30.7			70.5		9.09	4.00	6.42	11
TIONS.			10.10		-	50	31.6	0.9 CLAYTON	CN	69.6	D	s 9.08	* 3.58	* 640	11
TIONS. ains 256, 262, 258 and 702.	4.30	s 6.07	*10.15	\$10.15 701 \$10.35	-			LOON LAKE		-					250
						-					-		The same		
Time Table.					52	-			SY		D W				9
Switch at Car	6.05	6.45	10.58	10.58			47.6		-						9
Capacity	6.35	1 6.54	f11.05	11.05		35	52.0			49.2		f 8.07	3.02	f 5.36	8
Private Spur	7.0500					_	54.7	KULZERS TANK		46.5	w	701-709			9
South End 12	7.55257	s 7.07	511.14	\$11.14	52	57	56.5	VALLEY	VY	44.7	D CY	s 7.55	s 2.47	s 5.21	7
South End 23	8.35	s 7.24	s11.29	s11.29	36	23	64.0	CHEWELAH	СН	37.2	. D	s 7.35	s 2.32	s 5.05	6
	9.25	s 7.45	s11.49	s11.51		19	73.2		AD	28.0	w	s 7.13	s 2.14	s 4.43	5
South End 10	10.05	1 8.00	f12.04Pm	12.07Pm	52	10	80.5			20.7		f 6.55	1.59	f 4.25	4
North End 9	10.20	f 8.09	112.10	12.13		24	83.6			17.6		f 6.48	1.53	f 4.18	4
North End 9 South End 8	10.45	s 8.20	s12.17	s12.20		46	87.1		VD	14.1	D W	s 6.40	s 1.45	s 4.10	4
South End 13 South End 5	11.50	s 8.45	s12.40	s12.40	40	28	95.7	MEYER'S FALLS	MF	5.5	D	s 6.20	1.23	s 3.50	3
North End 15	Ar 12.20Pm	Ars 9.00m	Ars12.55Pm	255 Ars 1 2.55Pm	52	244	101.2		MS	0.0	Re DN WC Y	Lv 6.00Am	Lv 1.00Pm	Lv 3.30ħn	Lv 3
North End 7	Daily	Daily Ex. Sunday		Daily					9	. 17		Daily Ex. Sunday	Daily Ex. Sunday	Sunday Only	D
	702	258	262	256								257	255	261	70
	10.20	4.35	4.00	4.00				Time Over District				4.25	4.20 23.4	4.35 22.0	11
1	Private Spur South End Siding South So	Switch at Car Capacity 6.05	Switch at Car Capacity 6.00 6.42	Switch at Car Capacity 6.00 s 6.42 s10.35	Section	Switch at Car Capacity 6.00 s 6.42 s10.35 s10.35 s2	Section	Time Table. Switch at Car Capacity Capacity	Time Table. Switch at Car Capacity 6.00 s 6.42 s10.35 s10.35 s2 25 38.4 LOON LAKE	Time Table	Time Table. Switch at Car Capacity Solution End South End Sou	Time Table. 5.15 5.6.22 510.35 510.35 52 25 38.4 LOON LAKE AK 62.8 D W	Time Table. 5.15 5.6.22 \$10.35 \$10.35 \$2 25 38.4	Time Table. Substitute Sub	Time Table. Switch at Car Capacity Private Spur South End South

And the second s

w

R⊕DN WCTO

54 0

49.6

36.6

34.3

26.7

19.5

16.2

9.5

4.8

MY

f10.33

f10.20

s 9.47

s 9.40

s 9.20

f 9.00

f 8.50

s 8.25

s 8.05

259

VK

8.15

7.50

7.10

6.55

6.25

6.00

5.45

5.05

4.30

Via C. P. R

Tue., Thur.

703

.COLUMBIA GARDENS.....

.FRUITVALE ..

13.0 ERIE.

SALMO.

7.6YMIR.....

......TROUP JUNCTION.....

NELSON .

Time Over District Average Speed Per Hour

...HALL....

3.3 APEX....

MOUNTAIN.....

11.15

11.45

12.30h

12.45

1.30

2.15

2.35

3.05

3.30

Via C. P. R. Ar 4.00Pm

Mon., Wed

704

9.8

f 3.30

1 3.45

s 4.20

s 4.30

s 4.50

f 5.10

f 5.20

s 5.40

s 6.00

Via C. P. R Ars 6.20m

Daily Ex. Sunday

260

5.10

43.2

48.5

61.5

63.8

71.4

78.6

81.9

88.6

93.5

12

18

15

18

17

29

40

The normal position of switch at Red Mountain Junction is for Second District, Main

Switch connecting N. & F. S. and C. P. R. Main Lines at Troupe Junction is protected by semaphore. All trains must come to full stop before reaching Junction switch, and must know that track is clear before using Canadian Pacific main line. All north bound trains will be required to make service test of air brakes at Apex

before descending Nelson hill. No trains will leave Northport or Waneta until conductor has reported to and re-ceived clearance from customs officer.

Derailing switches at Williams, Meadews and Benton Pole Co.

Water four miles south of Marble.

Yard limit boards 1/2 mile north of Marcus and each way from Northport.

INITIAL STATIONS.

TERMINAL STATIONS.

Marcus for trains 260 and 704. Troupe Junction for trains 259 and 703.

Marcus for trains 259 and 703. Troupe Junction for trains 260 and 704.

3

Business Tracks Not Shown as Stations on Time Table.

NAME	Miles from Marcus	Switch at	Car Capacity
Evans		South End	20
Hendrix Cut	. 12.3	North End	8
Ryans		South End	3
Onion Creek		Siding	7
Kanes	23.7	South End	7
Hanleys		Siding	12
Wood		South End	3
Rush		South End	5
Old Boundary		South End	5 8
Benson & Ross		South End	3
Benton Pole Co		South End	4
Meadows	57.9	South End	6
Kootenay Shingle Co		North End	38
Salmo Cedar Co	68.7	South End	6
Clarkson Bros		North End	1 4
Tamarack Spur		North End	2
Porto Rico		North End	2

NORTH BOUND.

THIRD DISTRICT-MARCUS TO OROVILLE.

SOUTH BOUND.

Special Rules.

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

First class trains must not exceed a speed of forty (40) miles per hour between Marcus and Midway, thirty (30) miles between Midway and Molson, twenty-five (25) miles between Molson and Oroville. Second and inferior class trains must not exceed a speed of twenty-five (25) miles per hour between Marcus and Molson, fifteen (15) miles between Molson and Oroville. All trains must not exceed a speed of ten (10) miles per hour over Bridge No. 1, over Columbia River, and fifteen (15) miles at High Bluffs one mile north of Bridesville, at Mile Post thirty-eight, one mile south to two miles north of Bergen, and over high fills one mile south to one mile north of Syackan.

Train No. 256 will register in booth provided for that purpose at Oroville Jct. wye. Freight train Nos. 707 and 708 will carry passengers when provided with proper

transportation.

Trains Nos. 255 and 256 will stop on flag at Godfrey and Rock Cut.

Normal position of switch at Orcville Junction is for Marcus-Oroville Line.

The normal position of wye switches at Curlew is for Marcus-Oroville Line.

Siding back of Marcus passenger depot must be left clear for passenger trains.

Trains will come to full stop before crossing Kettle Valley Ry. at Grand Forks Junction, sending flagman ahead before crossing.

Service test of air brakes must be made before leaving Molson in either direction. North bound passenger trains will stop at Circle, ten minutes to cool wheels.

North bound passenger trains will not follow passenger trains any closer than twentyfive minutes between Molson and Oroville.

North bound freight trains will stop at Circle and Mount Hull at least fifteen minutes to cool wheels.

Water 1/4 mile north of Laurier.

Derailing switches at Bergen, Myncaster, Syackan, Bridesville, Nine Mile, Circle and Mount Hull.

No trains will leave Laurier, Danville, Ferry, Midway, Bridesville or Molson, until after conductor has reported to and received clearance from Customs Officer.

Yard limit boards placed ½ mile north of Marcus, ½ mile south of Grand Forks Junction, each way from Curlew, and ½ mile south of Oroville.

INITIAL STATIONS:

Marcus for trains 256 and 706. Grand Forks for trains 705 and 708. Oroville for trains 251, 255, 699 and 707. Oroville Jct for trains 252 and 700.

TERMINAL STATIONS:

Marcus for trains 255 and 705. Grand Forks for trains 706 and 707. Oroville for trains 252, 255, 700 and 708. Oroville Jot. for trains 251 and 699.

Business Tracks Not Shown as Stations on Time Table.

NAME	Miles from Marcus	Switch at	Car Capacity
Pine Lumber Co	1.0	South End South End	5 14
Napoleon Spur		South End	Private Mine Spu
Onnen	9.8	South End North End South End	3 4 4
Porters	102.6	North End	Private Mill Spu

Location and Length of Tunnels.

No.	LOCATION	Length in Fee
1	2.2 miles South of Curlew	113 feet.
2	2.3 miles South of Bergen	YOU tect.
3	3/ mile North of Bergen	116 feet.
4	1.9 miles North of Bergen.	113 feet.
5	1.4 miles West of Myncaster	350 feet.
6	1 3 miles South of Oroville	448 feet.

THIRD	CLASS	FIRST	CLASS	Capi	ir icity		Time Table No. 8					FIRST	CLASS	THIRD	CLASS
706	708	252 Spo. Div. 253	256	Capr of Sic	lings	uo.	In Effect October 17, 1915	Telegraph Calls	from	SI	GNS	255	251 Spo. Div. 254	707	705
Freight	Freight	Passenger	Passenger	ing	F 2	Distance Marcus		grap	Distance Oroville	See Rule	3, page 1	1. Passenger	Passenger	Freight	Freight
Daily Ex. Monday	Mon., Wed. and Fri.	Daily Ex. Sunday	Daily Ex. Sunday	Passing Tracks	Other	Dist	STATIONS	Tele	Dist			Daily Ex. Sunday	Daily Ex. Sunday	Tue., Thur.	Daily Ex. Mond
6.00Pm			Lv 255 1.1 5Pm	52	244		MARCUS	MS	123.0	R®DN	WC Y	Ars 1 2.5 OPm			Ar 3.05
6.30			f 1.30	41		5.3	BOYDS		117.7			112.38			2.25
7.15			f 1.42	41		10.2	BARSTOW		112.8			f12.27			2.00
7.45			1 1.52	41		15.4	DULWICH		107.6		w	f12.16			1.40
8.05			s 1.56		7	16.8	ORIENT	RN	106.2	D		\$12.11			1.30
8.25			2.08	41		21.5	4.7 HUGHES		101.5			12.01Pm			1.0
8:50			s 2.20 s 2.35	69	45	27.4	LAURIER	BD	95.6		w	s11.46			12:4
9.45			1 2.48	41		33.4	RIDEAU, B. C		89.6			f11.30		570	11.5
10.15			3.05	27		40.3	GRAND FORKS JCT		82.7	R	Y	11.15			11.30
10.20Pm	Lv 8.00Am		s 3.15	42	74	41.8		GF	84.2	R&D	wc y	11:19		Ar 3.30Pm	Lv 11.2
Daily Ex. Monday	8.05		707 3.25				GRAND FORKS JCT		82.7	R		к 10.50		256 3.25	Daily Ex. Mo:
706	8.25		s 3.40	64	44	41.8	DANVILLE, WASH	co	81.2	D	w	*10.45		3.10	70
4.20 9.6	8.50		f 3.50	40		45.9	HURLBURT		77.1			110.32		2.50	3.4
	9.30		s 4.05	61		52.2		w	70.8	R D	w y	s10.20		2.05	
	10.02		f 4.19	40		58.1	PAXSON		64.9			708 f10.02		1.30	
	10.20		1 4.28	38		62.2			60.8			f 9.55		1.10	
	10.40		s 4.40		30	66.S	FERRY WASH,		56.2		w	s 9.45		12.45	
	11.10		s 4.50	50	47	67.0		MD	56.0	D	Y	s 9.38		12.15Pm	
	11.40		1 5.13	38	10	75.5	BERGEN		47.5		w	1 9.23		11.30	
	12.11Pm		s 5.29	40	16	81.2	MYNCASTER	MC	41.8	D	w	s 9.10		11.01	
	12.40		f 5.40	47	ű	86.1	SYACKAN		36.9			f 9.00		10.35	
	1.25		s 6.00	40	31	92.7	BRIDESVILLE, B. C	BV	30.3	D	w	s 8.45		10.00	
700	1.55		s 6.15	52	85	97.7	MOLSON, WASH	мо	25.3	D	w y	s 8.30		9.30	69
pokane Div. 697	2.35		1 6.35	40	9	104.8	NINE MILE		18.2		w	1 7.55		8.45	Spokane 698
ocal Freight	3.00 3.15		s 6.45 6.55	40	9	108.9	circle		14.1			f 7.35		8.20	Local Fr
Mon., Wed. and Fri.	4:00 4:15		f 7.16	40	8	115.8	MOUNT HULL		7,2		w	1 7.00		7.40	Tue T
6.50m	5.05	Lv 9.40Pm	7.37			122.13	OROVILLE JCT		.87	R	Y	6.32	Ar 7.48Am	7.05	Ar 7.1
rs 7.00Pm	Ar 5.10Pm	Ars 9.45Pm		70	256	123.0	OROVILLE	н		R⊕ D	wc	Lv 6.30Am	Lv 7.45Am	Lv 7.00Am	Lv 7.1
Mon., Wed. and Fri.	Mon., Wed. and Fri.	Daily Ex. Sunday	Daily Ex. Sunday									Daily Ex. Sunday	Daily Ex. Sunday	Tue., Thur. and Sat.	Tue., T
700	708	252	256									255	251	707	699
0.10 5.2	9.10 9.19	0.5 10.44	6.25 19.17				Time Over District Average Speed Per Hour					6.20 19.4	0.3 17.4	8.30 9.9	0.5 10.4

 			-		RTH DISTRICT—CURLE					SOUTH BOUNI	
 SECON	D CLASS	Can	ar		Time Table No. 8				SECONE	CLASS	
 394	392	of Si	acity dings	from	In Effect October 17, 1915	Calls	from	SIGNS	391	393	
Mixed	Mixed	Passing Tracks	Other Tracks	Distance Curlew		Felegraph	Distance Republic	See Rule 3, page 11.	Mixed	Mixed	and
 Daily Ex. Sunday	Daily Ex. Sunday	Tra	Tro	Con	STATIONS	Tel	Dis		Daily Ex. Sunday	Daily Ex. Sunday	bet
Lv 4.10Pm	Lv 10.25Am	61			CURLEW	w	21.2	R D W Y	Ars10.10Am	Ars 3.50Pm	
f 4.24	110.42	43		5.4			15.8		1 9.53	1 3.20	
f 4.41	f11.10	44		12.7	POLLARD		8.5	w	f 9.35	1 2.55	INI
1 4.52	f11.25	41		16.2			5.0		1 9.25	1 2.45	
Ars 5.10Pm	Ars11.4OAm	58	40	21.2	REPUBLIC	z		Re D WC Y	Lv 9.10Am	Lv 2.30Pm	
Daily Ex. Sunday	Daily Ex. Sunday							10	Daily Ex. Sunday	Daily Ex. Sunday	
394	392								391	393	Be Kı
1.00 21.2	1.15 16.9				Time Over District Average Speed Per Hour		-		1.00 21.2	1.20 15.9	Ka Ca

NON III D					DISTRICT—NORTHPOR	• •	o ne	SSEAND.	SOUTH B	UUND
	SECOND CLASS	Can	ar acity dings		Time Table No. 8				SECOND CLASS	
	386	of Si	dings	from	In Effect October 17, 1915	Calls	from	SIGNS	385	
	Mixed	ssing	Other Tracks	Distance I Northport		graph	Distance Ressland	See Rule 3, page 11.	Mixed	
	Daily Ex. Sunday	Pas	Tra	NON	STATIONS	Tele	Diet		Daily Ex. Sunday	
	Lv 2.35Pm	73	79		NORTHPORT	NP	17.3	R# D WC YO	Ars11.00Am	1
	2.38			0.6	RED MOUNTAIN JUNCTION		16.7		10.57	
	f 3.08		10	7.0	velvet		10.3		110.33	
	s 3.18		24	S. 4	PATERSON	KN	8.9	D	\$10.30	
-	Ars 4.10Pm	35	51	17.3	ROSSLAND	RO		R D W Y K	Lv 10.00Am	
	Daily								Daily	
	386								385	
	1.35 10.9				Time Over District Average Speed Per Hour				1.00	

Special Rules.

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

ger trains must not at any place exceed a speed of forty (40) miles per hour trains twenty-five (25) miles per hour.

ains will reduce speed to ten (10) miles per hour while crossing Bridge No. 130, aramin and Pollard.

aramin and Polard.

S Nos. 391, 392, 393 and 394 will stop on flag at Karamin.

al position of north wye switch at Curlew is for Republic-Curlew Line.

ains will come to full stop at crossing of Spokane & B. C. Ry. at Malo.

ing switches at Belcher and Karamin.

lew for trains 392 and 394. ublic for trains 391 and 393.

TERMINAL STATIONS:

Curlew for trains 391 and 393. Republic for trains 392 and 394.

5

Business Tracks Not Shown as Stations on Time Table.

NAME	Miles from Curlew	Switch at	Car Capacity
Belcher	8.6	Siding South End North End North End	15 16 8 6

Special Rules.

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

Passenger trains must not at any place exceed a speed of twenty-five (25) miles per hour and freight trains fifteen (15) miles per hour. All trains must not exceed a speed of fifteen (15) miles per hour over Loop Bridge and around twenty-two degree curve just south of Loop Bridge, and from Velvet tank south to end of Sheep Creek canyon; and a speed of four (4) miles per hour over Bridge No. 1 over Columbia River.

All south bound freight trains will come to full stop two hundred (200) feet north of Columbia River Bridge, and not exceed four (4) miles per hour ever bridge.

Normal position of junction switch at Red Mountain Junction is for Second District. No train will leave Paterson until conductor has reported to and received clearance from Customs Officer.

No train will leave Paterson until conductor has reported to and received clearance from Customs Officer.

All south bound trains must make service test of all brakes before leaving Rossland. All fifth district trains will protect against second district trains at all times between Northport depot and Red Mountain Jct.

Water was mile south of Valuet.

Water one mile south of Velvet.
Yard limit boards each way from Northport and ½ mile south of Rossland.

INITIAL STATIONS:

Northport for train 386. Rossland for train 385.

TERMINAL STATIONS: Northport for train 385. Rossland for train 386.

Business Tracks Not Shown as Stations on Time Table.

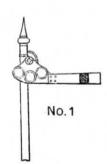
NAME	Miles from Northport	Switch at	Car Capacity
Stone	4.8	South End	7
Condon		South End	3
Poole		South End	3

SECOND CLASS	Capacit of Side Tracks			1			SECOND CLASS					
396	Tracks	from	Time Table No. 8	Calls	from	SIGNS	397					
Mixed	Passing Trucks	Distance Oroville		Telegraph	Distance	See Rule 3, Page 11.	Mixed					
Daily Ex. Sunday	g Hg	igo igo	STATIONS	Tel	Dis		Daily Ex. Sunday	-	Special	Rules		
Lv 7.00Am	70 25	G	OROVILLE	. н	91.1	R® D WC Y	Ars 6.20Pm	Sou	th bound trains are superior to	north bound t	rains of the sa	ame class.
s 7.45	52 2	2 11.3		_	79.8	w ·	s 5.42	Princeto Tra	th bound trains are superior to ins will not exceed speed of twenty-fi in and will keep sharp lookout for fall ins Nos. 396 and 397 will stop on fiag train will leave Chopaka until conduct	ing rocks at all	points Hedley t	o Princetor
s 8.15 s 8.30	51 4	0 21.2			69.9	D W	5.06 s 4.51	customs	omcer.		o and received c	learance fro
1 9.00	52 1	30.8			60.3		1 4.21	Two Yar	derails on Cement Spur near Prince d limit boards placed each way from	on. Princeton.		
s 9.30	49 8	7 38.1	_	к	53.0	D W	s 3.51	INITIAL	STATIONS.	ERMINAL ST.	ATIONS.	
1.9.55	16	45.1			46.0	and Polymer	1 3.21		ville for train 396. ceton for train 397.	Oroville for Princeton fo	train 397. r train 396	
f10.15	11	51.4			39.7	w	f 3.01		Business Tracks not Shown as	Stations on t	he Time Tab	le.
\$10.30	29 1	55.8		HD	35.3	D	s 2.46			1		T
f10.45	1	61.0			30.1		1 2.21		NAME	Miles from Oroville	Switch at	Car Capacity
±11.05	28	67.7			23.8	w	1 2.06	Rich B	r Spur	5.7	South End	
f11.20	16	72.5	NORMAN		18.6		1 1.52	Ruby M B. C. P	fine Spurortland Cement Spur	17.1	North End South End	7 Priv. Spu
f11.30	17	77.2	ALLISON		13.9		1.37				Louis End	1111. 504
Ars11.45Am	52 3	79.7	PRINCETON	QD	11:4	R D W Y K	Lv 1.30Pm		Location and Len	gth of Tunne	ls.	
								No.	Locat	ion		Length
		-		-				7	4.95 miles north Oroville			1761 feet
				-				s	.82 miles north Princeton			. 1062 fee
Daily Ex. Sunday							Daliy Ex. Sunday					
396							397					
4.45 16.7			Time Over District Average Speed Per Hour				4.50 10.0					

the desired by the second

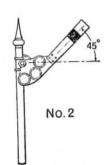
AUTOMATIC BLOCK SIGNALS.

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



INTERMEDIATE
AUTOMATIC BLOCK SIGNAL.

Color. RED light at night.
Indication. STOP.
Name. STOP Signal.



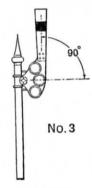
INTERMEDIATE
AUTOMATIC BLOCK SIGNAL.

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

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

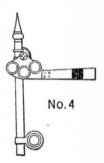
505. Omitted.

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



INTERMEDIATE
AUTOMATIC BLOCK SIGNAL.

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



HOME
AUTOMATIC BLOCK SIGNAL.

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

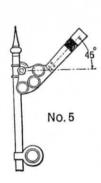
Name. STOP Signal.

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

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

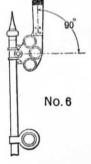
If either end of a siding cross-over on single track is opened, it will set and hold the signals that control the block on main track to which it leads in both directions at stop. Neither switch nor cross-over must therefore be opened, until the movement of the train is to be made, and must be closed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

- 509. Switch Indicators (miniature semaphores) where used stand normally in "STOP" position. Trainmen or others using switches equipped with switch indicators must first push button on bottom of switch indicator case and if no train is approaching switch indicator will clear when switch may be used. The switch should be thrown at once after switch indicator clears.
- 510. When necessary to clean ash pan or cinders from the smoke arch inside of block signal limits care must be taken to avoid dumping live coals or hot cinders on the wooden trunking used to protect the signal track wiring.
- 511. Lights will not be provided on any main line switch located within 300 feet of an automatic signal governing the block in which the switch is located. Lights will not be provided on trailing point switches on double track.
- 512. Cars on side track or other tracks connecting with main tracks must be kept clear of bonded rails and insulated joints as otherwise signals will be held in "STOP" position. All tracks connecting with main track are bonded to clearance point only.
- 513. Interlocking Signals located in districts equipped with Automatic Signals, become, unless otherwise stated under "Special Rules", a part of the automatic block signal system. All such Home Interlocking Signals are equipped with not less than two arms and two lights, see general instructions governing operation and maintenance of interlocking plants and figures Nos. 7, 8, 9, 10, 11 and 12.



HOME AUTOMATIC BLOCK SIGNAL.

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



HOME AUTOMATIC BLOCK SIGNAL.

Color. Arm, GREEN light at night.

Disc, RED light at night.

Indication. PROCEED.

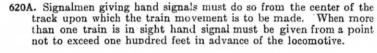
Name. CLEAR Signal.

ENGINEMEN AND TRAINMEN.

- 661. Trains or engine may be run to but not beyond a signal indicating "Stop," except as provided in Rule 663.
- 662. If a Clear or Caution signal, after being accepted, is changed to a "Stop" signal before it is reached, the stop must be made at once. Such occurrence must be reported to the Superintendent.
- 663. Enginemen and Trainmen must not proceed on hand signals as against interlocking signals until they are fully informed of the situation and know that they are protected, and then only when the prescribed hand signal is given as per Rules 620 and 620-A.
- The Engineman of a train which has parted must sound the whistle signal for "train-parted" on approaching an interlocking
- 665. An Engineman receiving a "train-parted" signal from a Signalman must answer by the whistle signal for "train-parted."

INTERLOCKING SIGNALS.

- 666. When a parted train has been re-coupled the Signalman must be notified.
- 667. Sand must not be used over movable parts, or ashes dumped within the limits of an interlocking plant.
- Conductors must report to Superintendent any unusual detention at interlocking plants.
- Trains or engines stopped by the Signalman in making a move-ment through an interlocking plant, must not move in either direc-tion until they have received the proper signal from him.
- 620. If a signal fails to work properly its operation must be discontinued and until repaired the signal secured so as to display the normal indication. Under such circumstances Signalmen must be governed as per Rule 623 and in addition will require all trains to make a full stop before giving hand signal to proceed. Signalmen giving proceed hand signals must use a yellow flag by day and a yellow light by night.



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

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

No.11

night. Middle Arm, RED light at

night. Lower Arm, RED light at

clears or upon prescribed hand signal from Sig-

night.
Indication. STOP. Proceed only when

DWARF SIGNAL.

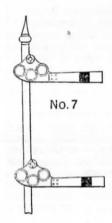
STOP Signal.

RED light at night.

signal

Name.

nalman. STOP Signal.

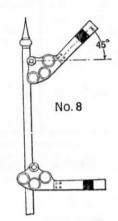


INTERLOCKING HOME SIGNAL.

Upper Arm, RED light at

Lower Arm, RED light at

Indication. STOP. Proceed only when signal clears or upon prescribed hand signal from Signalman. STOP Signal.

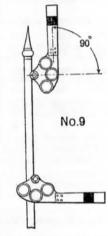


INTERLOCKING HOME SIGNAL.

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

Indication. Main line route clear, proceed with CAUTION, prepared to stop at next signal

CAUTION Signal.

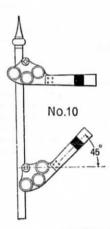


INTERLOCKING HOME SIGNAL.

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

Indication. Main line route clear, PRO-CEED.

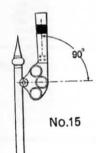
CLEAR Signal.



INTERLOCKING HOME SIGNAL.

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

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



Name.

GREEN light at night.

Indication. PROCEED. CLEAR Signal. INTERLOCKING HOME SIGNAL. Upper Arm, RED light at

INTERLOCKING HOME SIGNAL.

No.12

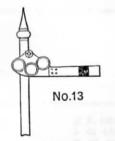
Upper Arm, RED light at night. Middle Arm, RED light at night. Lower Arm, YELLOW light at night.

Indication. Slow speed, Route clear, Pro-

CAUTION Signal.



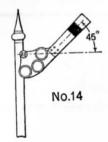
DWARF SIGNAL. Color. YELLOW light at night.
Indication. PROCEED with CAUTION
Name. CAUTION Signal.



INTERLOCKING DISTANT SIGNAL.

RED light at night. Indication. STOP, then proceed with CAUTION, prepared to stop

at Home Signal. STOP Signal. Name.



INTERLOCKING DISTANT SIGNAL.

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

CAUTION Signal. Name.



Color. Indication. STOP. Name.

CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF ENGINES, TENDERS AND CABOOSES.

STATIONS.	Ruling Grade		Class F-8	1140-125	3	- 1	Class G-2 Class G-3				Class D-5 Class F-1	454-471 500-565			
	Grade	1	2	3	4	1	2	3	4	1 .	2	3	4		
Dean to Loon Lake	1.	1200	1100	1050	1000	950	900	850	800	700	650	600	550	 	
Valley to Loon Lake	1.	1200	1100	1050	1000	950	900	850	800	700	650	600	550	 ****	
Valley to Meyers Falls	1.	1700	1600	1500	1400	1200	1150	1100	1050	1000	950	900	850	 	
Meyers Falls to Valley	1.	1800	1600	1500	1400	1200	1150	1100	1050	1000	950	900	850	 	
Marcus to Meyers Falls	2.	625	500	450	400	500	450	425	400	360	325	300	275	 	
Marcus to Northport	1.					1000	950	900	875	750	700	675	650	 	
Northport to Marcus	1.					1000	950	900	875	750	700	675	650	 	
Northport to Waneta	1.					1000	950	900	875	750	700	675	650	 	
Waneta to Apex	1.6									475	450	425	400	 	
Troup Jct. to Apex	2.5									275	250	225	200	 	
Northport to Rossland	3.5									190	180	170	160	 	
Marcus to Midway	.6	1700	1600	1500	1400	1300	1200	1150	1100	1000	950	925	900	 	
Midway to Molson	1.25	950	900	850	800	750	700	675	650	650	600	575	550	 	
Oroville to Molson	2.5	500	450	400	350	425	400	375	350	275	250	225	200	 	
Oroville to Coalmont	.8	1750	1650	1550	1450	1050	1000	950	900	900	S50	800	775	 	
Grand Forks to Phoenix	3.					300	270	250	240	220	200	180	160	 	
Curlew to Republic	1.5					675	650	625	600	525	500	475	450		
		18.500.0												 	

WEATHER RATING 1—When temperature is 25 degrees above zero or over. 2—Very frosty or wet. 5 to 25 above zero. 3—Five degrees above to 10 below zero. 4—10 below zero and Colder.

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

Weights of Empty Cars and Dead Engines and Tenders will be estimated as follows when not marked.

Box Cars, 28 to 30 f	oot.																				.11	Tor
Box Cars. 33 foot									٠		٠.			•							 12	7.01
Box Cars, 34 foot																					 13	To
Box Cars. 36 foot																					 . 13	Tol
Box Cars. 40 foot						·						٠.				٠,			٠		 . 17	To
Refrigerator Care								372								9	-				. 20	To:
Furniture Cars, 30 t	0 40) fe	00	t.																	. 17	To
Furniture, 40 to 50	oot									į.											. 19	To:
Cabooses, 8-wheel		•	•			Ċ				i											. 17	To!
Cabooses, 4-wheel		-				î				Û	0										. 10	To:
Flat Cars, 28 to 30 f																						To:
Flat Cars, 33 and 34	foc	xt.				Ĺ															. 1	To:
Flat Cars, 40 foot																					 . 15	To!
Flat Cars, 40 foot				•		ì				ĺ											. 12	To!
Coal Cars																					. 12	To:
Gondola Cars						Ċ															 . 13	To:
Ore Cars, Wood																					. 12	To:
Ore Cars, Steel															. ,			,			. 1	To
Oil Tanks																						To
Ballast Cars																						To To
Steam Wreckers																						To:
Engine Tank (Empt																						To:
Mail Cars						ì															. 2	To
Baggage Cars						·															. 30	To!
Coaches, 8-wheel																						To!
Coaches 12-wheel																					. 3	5 To
Dining Cars and To	uris	t. ('n,	LTS		•				ì											. 4	To To
Sleeping Cars, Parlo	- 0	-	-		i	r	VI.			_	_	4	_	_	-	١.			Ō		4	To To

Weight of Dead Engines.

Engines numbered below 200 series 80 Tons
Engines numbered in 200 series 90 Tons
Engines numbered in 300 series 86 Tons
Engines numbered in 400 series
Engines numbered in 500 series
Engines numbered in 600 series
Engines numbered in 700 series
Engines numbered in 800 series
Engines numbered in 900 series (except 992 to 997)115 Tons
Engines numbered 992 to 997 95 Tons
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 188 Ton
Engines numbered in 1500 and 1600 series 179 Tone
Engines numbered in 1700 series
Engines numbered in 1800 series
Engines numbered in 1900 series

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 train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 6 tons per car for wheel friction.

Speed Table.

50 miles per hour is equivalent to one mile in 1 minute and 12 seconds.
45 miles per hour is equivalent to one mile in 1 minute and 20 seconds.
40 miles per hour is equivalent to one mile in 1 minute and 30 seconds.
35 miles per hour is equivalent to one mile in 1 minute and 43 seconds.
30 miles per hour is equivalent to one mile in 2 minutes and 0 seconds.
25 miles per hour is equivalent to one mile in 2 minutes and 24 seconds.
20 miles per hour is equivalent to one mile in 3 minutes and 0 seconds.
15 miles per hour is equivalent to one mile in 4 minutes and 0 seconds.

SPECIAL RULES.

South Bound Trains are superior to North Bound Trains of the same class.

- 1. Car capacity of sidings is based on forty-two (42) feet per car.
- 2. Trains displaying signals for following sections will stop at ALL registering stations, and the Conductors will register in person.
- 3. In addition to signs provided for in rule 7 the following signs in column headed "Signs" indicate:
 - D Day telegraph or telephone station.
 - N Night telegraph or telephone station.
 - DN Day and night telegraph or telephone station.
 - P Dispatcher's telephone accessible at all times.
 - I Interlocked.
 - K Connection with foreign road.
 - Standard clock.

PERSONAL INJURIES.

- 1. Whenever passengers or employes are injured, everything must be done to care for them properly. If they are able to be moved, take them for treatment to the nearest place at which the Company has a surgeon. If they cannot be moved, call the nearest Company surgeon. If the case is urgent and the Company surgeon cannot be immediately procured, the conductor, agent or officer in charge is authorized to call the nearest surgeon available to administer first aid and care for the patient until the Company surgeon can take charge of the case.
 - No surgical operation must be performed until the arrival of the Company surgeon unless it may be 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 sleepers.
 - When a number of persons are injured, the service of competent surgeons in the vicinity should at once be secured, and every possible effort made to care for the injured, the Division Surgeon being notified by wire to come immediately to the place of the accident.
- 3. 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 the 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 information.

- 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
- b. 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, tools 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.

	To the second se		
Dr. J. A. Oulan, Chief Surgeon, Suite 301-2-3 Pittsburg, Bldg., Cor. 5th and Wabasha	Sts., St. Paul. Ma	arcus	Dr. W. C. Goss.
Dr. J. A. Quinn, Chief Surgeon, Suite 301-2-3 Pittsburg Bldg., Cor. 5th and Wabasha Boeckman and Boeckman, Ophthalmic Surgeons, 642 Lowry Bldg., St. Paul.	Ros	ssland	Dr. J. W. Coffin.
(Employees consulting should be provided with an order from the Superintendent. Spokane. Dr. J. G.) Nel	dson	Dr. W. O. Rose.
(Employees consulting should be provided with an order from the Superintended	Cumpingham	public	Dr F I Whittaker
Spokane	Cunningnam.	and Forks	Dr C M Kingston
SpokaneDr. S. B.			
HillyardDr. J. Fa		oville	
Springdale	ard Foster. Pri	inceton	Dr. T. C. Campbell.
Calvilla Dr. R. S.	Wells		

TIME INSPECTORS.

SpokaneHillyard			
Hillyard			E. A. McMahon.
Marcus	L. S. Munger.	Republic	

J. F. DOWNEY, Dispatcher.
J. G. LUHRSEN, Dispatcher.
D. W. DUNN, Dispatcher.

J. B. SMITH, Night Chief Dispatcher. F. A. MAXWELL, Chief Dispatcher.

C. A. MANTHE, Train Master.

