SPOKANE, PORTLAND & SEATTLE R'Y CO.

PORTLAND DIVISION

# TIME TABLE No. 86

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

SUNDAY, MARCH 20, 1921

SUPERSEDING TIME TABLE NO. 85 AND ALL SUPPLEMENTS THERETO THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY

2 WESTWA			FII	KST SU	•		1510	ON—BETWEEN PORTLAN	D	AND	ASTO	RIA			EASTWAI	RD	
181	FIRST CLA		1 05			car acity	rom	Time Table No. 86	E 0	Wyes les, Fuel ales.				FIRST CLASS		THIRD CLASS	FOURTH CL
Local Freight	23 Passenger	27 Passenger	25 Passenger	21 Passenger	ing	Other Tracks	nce f	MARCH 20, 1921	storia	ables Scale	26	22	28	24			182
Daily Ex. Sunday	Daily	Daily	Daily	Daily	Pass	Oth	Distance from Portland	STATIONS .	Distance Irom Astoria	Water, urnTab and Sc	Passenger Daily	Passenger	Passenger	Passenger			Local Freigh Daily E
6.30 AM	L 6.20 PM	L 5.20 PM	L12.15 PM	L 8.15 W	Yard		_			WTCO				A 8.10 PM		<del>-</del>	Monda
								ILL BE GOVERNED BY TERMINA							FC		A 1.30
6.50	6.36	5.36	12.31	8.31	Yard			DNWILLBRIDGEBA		D11151	8.44	11.59	4.24	7.54	LES		I ,,,
6.59	6.41	s 5.43	*12.37	s 8.37	35	78		2.9 DINNTONIN			s 8.37						1.10
7.01	6.42				-			0.6	_		2 222	s11.52	5 4.17	7.48			1.02
		5.45	12.38	8.38	-	_		4.7	91.9		8.34	11.46	4.14	7.47			1.00
7.14	6.50	1 5.55	f 12,48	8.46	83	6	12.6		87.2	3 M1. W.	f 8.23	11.37	f 4.03	7.40			12,48
7.35	7.02	s 6.10	s 1.04	\$ 9.00	39	8	19-9	DSCAPPOOSESQ 7	79.9		s 8.08	s11,24	s 3.45	s 7.28			12.17
7.57	7.10	1 6.20	f 1.12	\$ 9.08	32	5	24 3		75.5		1 7.57	11.16	f 3.35	7.20			12.01
8.09	7.15	6.26	1.19	9.13	58		27.1	1	72.7	-	7.50	11.12	3.29	7.15			11.49
8.11	s 7.17	s 6.28	s 1.22	s 9.16		12	27-6	D ST. HELENS H 7	72.2	w	s 7.48	s11.11	s 3.27	s 7.12			11.47
8.27	7.23	6.37	1.31	9.22	52	5	31.3	3.7	88.5		7.38	11.03	3.18	7.02			11.32
8.35	7.27	s 6.41	s 1.35	1 9.26	$\vdash$	10	33.2	D DEER ISLAND	56.6		s 7.33	f11.00	s 3.13	s 6.58			
8.50	7.34	f 6,50	f 1.46	9.34	28	-	37.2	4.0————————————————————————————————————	52.6					6.50	·	-	11.24
9.00	s 7.38				27	79					7.23	10.52 s10.48	1 3.05				11.07
		s 6.58	* 1.52	• 9.39				6.4				\$10.48	s 2.57	s 6.45			10,48
9.45	s 7.52	s 7.20	s 2.10	s 9.52	┞	6	45.8	DRAINIERRA 5.		2.4 M1. E.	s 7.00	s10.35	s 2.40	s 6.32			10.01
9,52 10,32	7.55	A 7.25 PM	A 2.15 PM		60		46.8	P AVON 5:	3.0	т	L 6.55 M	10,32	L 2.35 №	6.29			9. <b>54</b>
11.02	8.09			110.12	17		53.5		16.3			110.12		f 6.12			9.22
11.13	s 8.15			s10.17	60	14	55.8		14-0			s10.06		s 6.06			9.11
11.28	5 8.23			s10.26	34	12	59.3	3.5 QUINCY	0.5	w		s 9.57		s 5.57			8.55
11.42	s 8.31			s 10.34	54	75	62 2	DNCLATSKANIECN 3	7.6			s 9.49		s 5.49			8.40
2.01PM	f 8.43			f10.46	60	10	66.6	4.4	33.2			f 9.40				_	-
2.14	s 8.51			s10.54	_	10	69.8	3.2	0.0					f 5.38			8.15
2.20	s 8.56			s10.58	33	53	71.2	1.4	8.6			s 9.31		s 5.30		_	8.00
2.31	s 9.03			s11.05	-	54	73.5	2.3	26.8			s 9.26		s 5.25		-	7.55
2.53	s 9.16			\$11.18	49		78.4	4.9	11.4	w		s 9.20		s 5.19			7.20
1.22	f 9.35			s11.37	-		84.9	8.5— 2	_			s 9.08		s 5.07			6.58
1.30	s 9.39			\$11.41	26	5	86.5	1.6	3.3			8.51		s 4.51			6.33
1.45	s 9.50				_	3	90.2	3.7				s 8.46		s 4.47			6.23
2.10	10.05			s 11.51	46	-	95.4	5.2	9.6			8.38		s 4.38			6.10
2.30 PM	A10.20 PM			112.05 PM	-			4.4	4.4			f 8.25		1 4.25		_	5.50
181		07		A 12.20 PM	Yard		39.8	DNASTORIARO FD 0	0.0	wroc		L 8.10 AM		L 4.10 PM			ι 5.30
aily Ex. Sunday	23 Daily	27 Daily	25 Daily	21 Daily	_						26	22	28	24			182 Daily 1
8 00 12.5	4.00 25.0	2.05 22.5	2.00 22.9	4.05 24.4	-	-		Time Over District. Average Speed Per Hour.			2-05 22-5	4.05 24.4	2.05 22.5	Daily 4-00 25-0	-		Monda 8 00 12 5

.40

		WESTWAR	D	SECO	ND SU	B-D	IVIS	SION	N—BETWEEN A	STO	RIA	AND I	HOLL	ADAY		EAS	TWARD		5
3rd CLASS	SECOND CLASS	1	FIRST	CLASS			Car	1 #	T: T-1.1- N- 96	a	es Fue:			FIRST CLAS	SS			SECOND CLASS	3rd CLAS
	61		28	3 43	53	21	Cap'c	nces from	Time Table No. 86  MARCH 20, 1921  STATIONS	nces fro	ables, F	22	52	24	44			62	
	Mixed		Passer	iger Passenger	Passenger P	assenger	rack Track	Frack Dista	- CTAMIONO	Dista	Water, I	Passenger	Passenger	Passenger	Passenger			Mixed	
	Daily		Dail	ly Daily	Daily	Daily		1		1	-	Daily	Daily	Daily	Daily			Daily	:/
	L 9.30M		110.8	30PM L 5.25PM	L 3.50PM L	12.30PM	Yd	99.8	DN ASTORIA FI	19.3	W-TOC	A 8.00M	A 5.00PA	A 4.00PM	A 7.30PM			A 2.20	Osw A
	f 9.37			f 5.32	f 3.55		Yd Y	Yd 101.5	PORT DOCK	17.6			f 4.52	3.55	f 7.22			f 2.10	0
	f 9.50		10.4	45 f 5.40	f 4.05	12.45		104.0	SUNNYMEAD	15.1		7.40	f 4.45	3.45	f 7.15			f 2.00	
	s 9.55		f 10.	50 s 5.45	▲ 4.10 <sup>PM</sup> s	1 <b>2.50</b> 1		58 105-6	DWARRENTON	A 13 5	Y	s 7.35	L 4.40P	s 3.40	s 7.10			s 1.5s	5
	r10.00		10.	52 f 5.49	f	12.54		107.0	SKIPANON	12 · 1		f 7.28		f 3.35	f 7.06			f 12.2	4
	110.05		f 10.	54 1 5.52	1	12.58	39	2 108-2	COLUMBIA BEACH	10.9	1	f 7.25		f 3.33	f 7.03			f 12.1	9
	f1 0.10		10.	56 t 5.55	f	1.02		109 - 7		9.4		1 7.21		f 3.28	f 6.59			f 12.1	3
	f 10.12	•	110.	57 f 5.57	f	1.04		2 110-3	CARNAHAN			f 7.19		f 3.27	f 6.57			f 12.1	.1
	f10.18		f11.	00 f 6.01	f	1.08	23	29 112-1				f 7.15		f 3.22	f 6.52			f 12.0	)4
	f 10.21		f 11.	02 f 6.04	f	1.12		4 113-2	CLATSOP	5.9		f 7.12		f 3.18	f 6.49			f 12.0	1 P.M
	10.23		11.	03 6.05		1.13	15	113.	MeGUIRE			7.11		3.17	6.47			11.5	8
	f 10.25		11.	04 6.07	1	1.14		114-	BUTTERFIELD			7.10		f 3.15	f 6.45			f 11.5	55
	s10.34		f 11.	.08 5 6.11	5	1.18		14 115.	DGEARHARTG	R 3.4		s 7.06		s 3.12	s 6.42			s 11.4	17
	f10.41		11.	13 6.15		1.21		116	WAHANNAH	2 3		1 7.03		f 3.09	f 6.39			f 11.4	10
	f 10.45		11.	.15 f 6.17		1.23		23 117	SURF	1.7		1 7.02		f 3.07	f 6.37			f 11.3	35
	\$10.50		s11.	.20 s 6.20		s 1.25	22	60 118.	DSEASIDES	1.1	w	s 7.00		s 3.05	s 6.35			11.3	30
	A 10.55AM	- 1	A11	25 PM A 6.25		A 1.30	P.M. 56	119	1HOLLADAY	0 (	Y	L 6.454			L 6.30PM			111.0	
	61			3 43	53	21	Ţ			_		22 Daily	52 Daily	24	44 Daily			£2	
	Daily 1 25		Da 0 21	55 1 00 1 19 3	0.20 17.7	1.00 19.3	_		Time Over District.	- -	-	1.15 15.4	0.20 17.6		1.00 19.3			1.50	

SPECIAL RULES—EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS. EXCEPTIONS:
No. 53 is superior to No. 52. No. 43 is superior to No. 44. No. 61 is superior to No. 62

	WESWARD	THI	RD SUB-DIVISIO	N—	BE	TWEEN WARREN	TO	N A	ND FORT STEVE	NS EAS	STWARD
THIRD CLASS	SECOND CLASS	1	FIRST CLASS	1	1 1	Time Table No. 86	ff so	100 mg	FIRST CLASS	SECOND CLASS	
		71	53	city of Tracks	ces fron	Time Table No. 86	Steven	r, Wye Tables Scales	52	70	
		Mixed	Passenger	Capa	Stan		Distan	Water Turn and	Passenger	Mixed	CDECIAL DILLEC
		Daily	Daily	1	q	STATIONS	А		Daily	Daily	SPECIAL RULES
.		L 12.55PM	L 4.10P	58	0.0	DWARRENTONWA	3 8	Y	A 4.40PM	A 1.50PM	EASTWARD TRAINS ARE SUPER- IOR TO WESTWARD TRAINS OF
		f 1.00	f 4.15	110	1.8	8 FLAVEL	2-0	w c	f 4.35	f 1.40	THE SAME CLASS.  EXCEPTIONS:
		s 1.05	s 4.20	4	2.9	9HAMMOND	0 9		s 4.30	s 1.35	No. 71 is superior to No. 70
		A 1.15PM	A 4,25P	Yard	3.8	8 DFORT STEVENS FN	0.0	Y	L 4.25PM	L 1.30PM	No. 53 is superior to No. 52
7		71	53						52	70	
		Daily	Daily	T					Daily	Daily	
		0·20 11·4	0.15 15.0			Time Over District. Average Speed Per Hour.			0.15 15.0	0.20 f1.4	

#### GRADE CROSSINGS 4

NAME	Miles from Portland
P. & S.W. Ry. (Interlocking Plant)	20.3
St. Helens Lumber Co. (Interlocking Plant)	26.9
G. N. & P. Ry. (Interlocking Plant)	38.1
Benson Timber Co. (Interlocking Plant)	62.4

#### OVERHEAD CROSSINGS

NAME .	Miles from Portland
Grant Smith-Porter Bros. Co	13.3
Columbia & Nehalem River Rv	69.7
Oregon Timber & Log Cc	76.8
Big Creek Logging Co	87.0

#### **JUNCTIONS**

NAME	Miles from Portland	Switch at
Vancouver Division	4.4	
United Railways Co	7.9	
Grant Smith-Porter Bros. Co	13.4	West end
Portland & Southwestern Ry	20.1	East end
St. Helens Lumber Co	27.0	West end
Deer Island Logging Co	32 5	East end
Goble, Nehalem & Pacific Ry	38.1	East end
Noyes Holland Logging Co	51.4	West end
Benson Timber Co	62.3	East end
Colum, & Nehalem Riv. Ry	69.8	West end
Oregon Timber & Log Co	76.8	East end
Big Creek Logging Co	86.8	West end
Hammond Lumber Co	105.1	Both ends
H. E. Noble Lumber Co	119.1	East end
Hammond Lumber Co	119.2	

#### LOCATION AND LENGTH OF TUNNELS

No.	LOCATION	Length
3	1.2 miles east of Mayger	175 feet

### YARDS

Linnton yard limits extend six hundred feet west of West Oregon Lumber Co. switch to one thousand feet east of east switch of the Clark - Wilson Lumber Co. loading track.

Rainer yard limits extend from yard sign five hundred feet east of east switch Reeds to yard sign five hundred feet west of west passing track switch Avon.

Astoria yard limits extend from Tongue Point to 2600 feet west of west swith at Warrenton on Second Sub-Division and to Ft. Stevens on Third Sub-Division.

Seaside yard limits extend from 500 feet east of East switch at Seaside to yard sign 900 feet west of wye switch Holladay. Attention is called to the use of Seaside yard limits by Hammond Lumber Co. engines

# WATCH INSPECTORS

A. L. HAMAN, Chief Time Inspector, St.	Paul, Minn.
W. H. SAXTON	PORTLANI
Shultz & Jacobsen	ASTORIA
E. M. YOUNG	RAINIER
I. S. BALT	CEACIDE

#### CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF EN-GINES, TENDERS AND CABOOSES

			C	lass	of I	Ingir	10	
DISTRICT	Ruling Grade	150-	152	153 154		L-1 L-5 D-5 50 55 156	L-4 53 54	N-3 N-1-5 N-1-5 370 350 351 352
Portland to Goble	. 56	1325	1423	1364	1480	836	700	2000
Goble to Portland	52	1400	1507	1444	1564	900	712	2000
Goble to Astoria	.31	1525	1650	1590	1690	1143	860	2100
Astoria to Goble	.38	1500	1590	1525	1620	1100	810	2050
Astoria to Flavel	. 33	1525	1650	1590	1690	1143	860	2100
Flavel to Astoria	.44	1480	1575	1512	1600	1084	810	2050
Warrenton to Holladay	1.22	742	800	766	831	470	378	994
Holladay to Warrenton	.70	880	950	909	985	557		1180

E. M. HERRING, Dispatcher E. D. LACKEY, Dispatcher F. S. BARLOW, Dispatcher

S. A. GAGNON, Dispatcher E. B. HEATH, Trainmaster R. C. SCOFFERN, Chief Disp.

# SPECIAL RULES

No. 1. Special Rules supersede rules and regulations of Transportation Department.

#### REGISTERING STATIONS.

Warrenton, Seaside, Fort Stevens. Portland. Astoria. Avon for trains 25, 26, 27, 28. Trains taking down signals at Willbridge be governed by Rule 96.

#### STANDARD CLOCKS AND BULLETIN BOARDS.

#### Portland, Astoria, Warrenton and Seaside

No. 2.

Derail Switches are located on all Passing Tracks and Spurs where there is danger of cars running out. Derails must be left at derail at all times, except when in use. No. 4.

#### SPEED RESTRICTIONS.

Maximum speed for passenger trains at any point must not exceed 45 miles per hour, and freight trains must not exceed 30 miles per hour. Through Town of Linnton. 20 miles per hour.

Through City of Goble, 10 miles per hour.

Through City of Rainier, 8 miles per hour.

Between Tongue Point and west end of Young's Bay, 20 miles per hour.

Between Hanthorn Spur and Astoria water tank 8 miles per hour.

Over west end Young's Bay trestle 10 miles per hour. On Pacific Ave., Hammond, 8 miles per hour. Between Flavel and Fort Stevens, 20 miles per hour.

Trains must not exceed time table schedule between Warrenton and Astoria.

Trains must not exceed schedule time between Rocky Point and Willbridge and engines backing

up between these points must not exceed 20 miles per hour.

Over bridge 110-7 first curve west of Carnahan, 15 miles per hour.

Hammond Lumber Co. trains must not exceed a speed of fifteen (15) miles per hour in either direc-

tion between Seaside and Warrenton.

When an order is put out to a train at a station, directing it to meet an opposing train at that station and the order contains the clause "..........gets this order at meeting point" the train receiving the order at the meeting point will hold the main track and the other train must take the

- Rule 83-a will not apply at initial stations which are not telegraph stations, nor at telegraph No. 7. stations except during office hours, or when an operator is on duty after office hours.
- Attention is called to electrification of main line and passing track at Linnton from United Junction to East of East switch of passing track, and overhead wires and United Railway trains in yard
- No. 9. All trainmen and others interested are hereby warned that the majority of cattle guards on Portland Division are closer to tracks than required standard of the Public Service Commission of
- Sign reading "Impaired Clearance" placed upon switch stand at entrance of spur or siding indicates there are platforms or structures located alongside same which do not provide minimum horizontal clearance prescribed by Public Service Commission of Oregon. Employes will use care and avoid risk of injury while working on spurs or sidings protected with "Impaired Clearance"
- Draw Bridges are located: Clatskanie River, 0.5 miles West of Clatskanie; Blind Slough; John Day River, 0.6 miles east of John Day; Young's Bay, 2.8 miles west of Astoria; Skipanon Creek, 0.1 miles East of Warrenton.
- At Willbridge Portland division trains will be governed by position of the lower blades of train order semaphore.
- No. 13. At Port Dock the track on south side of main track will be used as passing track.
- No. 14. No. 21 will stop on flag at Burlington to discharge passengers from Portland; at Holbrook to pick up passengers for points west of Rainier; at Nehalem Junction to discharge passengers from Portland or Linnton; at 11th Street, Astoria, to receive passengers; on Saturdays at bridge tender's house at John Day draw bridge; and Saturdays at Port Dock, Astoria, to receive passengers.
- No. 15. No. 22 will stop on signal at Port Dock and 11th Street, Astoria, to discharge passengers.
- No. 16. No. 23 will stop on signal at Skipanon, Glenwood, Butterfield, Wahannah and Surf to discharge
- No. 17. No. 24 will stop on signal at points east of Rainier to let off passengers from points west of Rainier.
- No. 24 will stop on flag at Warren Sunday only and at Holbrook Saturday and Sunday only, and at John Day bridge tender's house on Saturdays only.
- No. 25 will stop at Junction with Deer Island Logging Co. on Monday and Thursday of each week to unload perishable express.
- No. 20. At Linnton, No. 22 waits for connection with United Railway No. 2.

#### CLEARANCE TABLE

No. 21.

	Height above Top of Rail												
	1' Wide	2' Wide	Wide	Wide	5' Wide	6' Wide	7' Wide	8' Wide	9' Wide	10' Wide	10'6" Wide	11' Wide	
Portland Division.													

Conductors must be absolutely positive that loads do not exceed these dimensions and must not move cars of greater dimensions without instructions from Superintendent.

#### COMPANY SURGEONS

DR. E. B. McDaniel, Chief Surgeon, Electric Bldg, Portland DR. R. C. McDaniel, Asst. Surgeon, Electric Bldg., Portland

DRS. DICKSON, COGHLAN & DAVIS, Oculists, Selling Bldg., Portland DR. C. E. BROUS, Local Surgeon, Linnton, Oregon DR. C. E. Wade, Local Surgeon, St. Helens, Ore.

DR. W. E. WELCH, Local Surgeon, Rainier

DR. M. G. Evans, Local Surgeon, Clatskanie, Ore.

DR. E. J. JASPER, Local Surgeon, Westport DR. J. A. FULTON, Local Surgeon, Astoria

DR. ARTHUR VAN DUZEN, Assistant Local Surgeon, Astoria.

DR. O. C. HAGMEIER, Local Surgeon, Seaside and Warrenton.

Surgeons will attend when called upon officially, to all cases of accident occurring to employes or passengers. In cases of sickness it is the intention to limit medical service to the locality or town where a surgeon resides, unless some urgen necessity exists, for which distinct official authority must be had in accordance with established

Ralliway Officials are required to call on the nearest authorized surgeons whenever practicable, when surgical or medical services are needed. When such are accessible, the Hospital Fund will not be responsible for bills for medical services rendered by any other physician. In the event of a sudden emergency, arising from accident, if necessary proper surgical aid should be procured until the arrival of a regularly appointed surgeon, when the case should be placed in his charge, and in no case should the services of any but an authorized company surgeon be continued at the expense of the Railway Company or of the Hospital Fund after such surgeon is able to assume charge of the case.

Boarding and Nursing are furnished only at hospitals with which the Company has made arrangements. We are not responsible for bills incurred elsewhere, unless specially authorized or approved by the Chief Surgeon, and then only in critical cases of injury or illness occurring in the discharge of duty.

## STRETCHERS

	are located at the following points:
Portland	Baggage Room
cainier	Station
Astoria	Station

#### BUSINESS TRACKS AND PASSENGER FLAG STOPS NOT SHOWN AS STATIONS ON TIME TABLE First Sub-Division

NAME	from	Car Cap-	Switch	Flor Stone for Trains
NAME	Portland	city	at	Flag Stops for Trains
Portland, G&C Spur	5.6	33	West end	Not Passenger Stop.
Claremont	6.0			25-26-27-28.
Orwood	6.2	7	East end	Not Passenger Stop.
Ban's Spur	9.8	55	East end	25-26-27-28.
Burlington Spur	11.9	60	West end	25-26-27-28.
Rocky Point	15.7			25-26-27-28.
Johnson's Crossing	18.1			25-26-27-28.
Honeymans	22.0	7	Bothends	21-25-26-27-28.
McNultv	25.9			25-26-27-28.
StandardOilCo. Spur	28.4	8	West end	Not Passenger Stop.
Sommarstrom Ship				Trove a monoring or trop.
Building Co. Spur	29.5	7	West end	Not Passenger Stop.
McBride	30.0		cor cha	25-26-27-28.
Appleton's Crossing.	32.0			26, 27. (Express only)
Tide Creek	35.8			25-26-27-28.
Nehalem Junction	38.0	4	East end	25-26-27-28.
Trojan	40.7	27	East end	Not Passenger Stop
Prescott Spur	42.2	17	East end	21-24-25-26-27-28.
Oasis	43.4		Dast end	25-26-27-28.
Reeds	45.3	16	Bothends	Not Passenger Stop.
Rice's Spur	47.0	14	West end	Not Passenger Stop.
Tryon Spur	51.4	3	West end	21-22-23-24.
Downings	52.8	0	west end	21-24.
Fluhrer's Spur	55.4	7	East end	
Inelie	60.3	12	West end	Not Passenger Stop. 21-24.
Inglis	63.6			21-24.
Palm		6	East end	
Woodson	68.5			21-24.
Bugby	75.2	•		21-24.
Parsons	76.8	2	East end	21-22-23-24.
Aldrich Point	81.7			21-24.
Brownsmead	83.3	2	East end	21-22-23-24.
Burnside	91.4			21-22-24.
Fernhill	94.0			21-22-24.
Tongue Point	96.9			21-24.
Halco	97.5			21-22-23-24

#### Second Sub-Division

11th St., Astoria	100.3			44-52-62	
Merryweather	104.2			43-53-61. 44-52-62	
	1		1	43-53-61	
Allendale	111.4	3	Westend	44-62-43-61.	

#### Third Sub-Division

Stock Yard Spur	106.1	1 6	East end	Not Passenger Stop.
Warrenton Clay Spur	106.3	65		Not Passenger Stop.
Point Adams Spur	108.3	1	East end	Not Passenger Stop.