



# UNION PACIFIC SYSTEM

IDAHO DIVISION



EMPLOYES' TIME TABLE No. 27.

To take Effect Sunday, March 2nd, 1890.

12.05 A. M. "Mountain Time."

DESTROY ALL TIME TABLES OF PREVIOUS DATES.

Study Carefully the within Regulations and Rules. Important Changes have been made which must be understood alike by all.

ALL RULES INCONSISTENT WITH THOSE HEREIN ARE REVOKED

THIS TIME TABLE is for the use and guidance of Employes only, and is not intended for the information of the public, or as an advertisement of time of any Train. The Company reserves the right to vary from it at pleasure.

W. E. CREEN,
Superintendent,
Pocatello, Idaho.

Provided by
www.uphs.org

C. F. RESSECUIE,

General Manager, Mountain Division.
Salt Lake City, Utah

# Special Regulations Concerning the Carrying of Passengers on Freight Trains.

All Freight Trains may carry passengers with tickets, or other proper transportation, subject to Rules 218 and 243.

Passengers taking freight trains, should be informed that Caboose will not pull up to platform to take or deliver passengers or baggage. Subject to G. T.

O. Circular No. 439, Paragraph 6.

## REGISTERING STATIONS.

GRANGER, FOSSIL, MONTPELIER, McCAMMON, POCATELLO,

SHOSHONE, KETCHUM, GLENN'S FERRY, HUNTINGTON,

C. C. CHILSON,

OGDEN. LOGAN. BATTLE CREEK, CAMAS,

BEAVER CANON. MONIDA, SPRING HILL, DILLON, SILVER BOW.

## TRAIN MASTER AND DISPATCHERS.

J. E. McCARTHY, TRAIN MASTER, Pocatello, Idaho. WILL H. HOLCOMB, ASST. TRAIN MASTER, Pocatello, Idaho. B. C. MANSON, OHIEF DISPATORES, Pocatello, Idaho.

## OREGON SHORT LINE. 1st and 2d Districts.

L. F. PENNINGTON, Dispatcher. W. BAILEY.

GEORGE M. GRAY,

OREGON SHORT LINE. 3d, 4th and 5th Districts and Boise Branch. H. B. MAGILL, Dispatcher. J. E. CONEY,

UTAH & NORTHERN. 6th, 7th and 8th Districts.

E. W. WILKINSON, Dispatcher.

J. W. RAY, A. MALONEY,

POCATELLO, IDAHO.

POCATELLO, IDAHO. POCATELLO, IDAHO.

Division Surgeons may be called as consulting Surgeons in serious

At or near div	iding line of d	istricts, Local Surgeon	ns may be sum-	LIST OF	SURGEO	NS.	cases, when necessa	iy.	
monted from eld	PLACE	OFFICE	RESIDENCE	DISTRICT	SURGEON	PLACE	OFFICE	RESIDENCE	DISTRICT  Posstello to Green Biver.
" O. C. Ormsby	Ogden	Hoom A. U. Depot, Telephone 138, Ogden Hospital Main 8t	Main 84 Telephine 150 Oor. Washington & 24 Shifts	All West of Green River.  Ogden to Posstello.  St. St. 6th & 7th Dists.	" A. F. Isham	Caldwell	Front St	Same.	Pocatello to Green River.  Huntington to Shoshone.  Caldwell to Pocatello & Ketchur  Estebum to Shoshone.
" L. C Ford	Spring Hill	Depot	Main St	Dillon to Cames. Butte to Spring Hill.				600 1	

## Oregon Short Line-FIRST DISTRICT-Granger and Montpelier.

A THE REAL PROPERTY.	WE	STW	ARD	gr.	1.5	7	Time Table No. 27.				EAST	WARI	<u>ب</u>	14.3
84492	1 8	econd Clas	8 Bi-11th	First	Class	8	March 2, 1890.		First	Class	8	econd Clas	18	- 19
TH OF BONE OF SONA N, FUEL A BRO STATO	519 Time Freight	515 Anaconda Coal	511 Way Freight	503 Limited Fast Hall	501 Express	TANCES FRE	STATIONS	TANCES FRO	502 Express	504 Limited Fast Hail	512 Way Freight	516 Anaconda Coal	520 Time Freight	2 ,4
LEBORTH IN FREET TOOM C WATER, TURNER	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	8 0	0 1 0.82	1 m	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	F 5
	2.05 %	9.00 PM	2.00 M	7.35 PM	8.50 M	30.5	NGREEN RIVERG	571.8	6.30 PM	5.30 Pa	2.05 PM	10.80 M	9.00 8	
	8.55 M	11.30 PM	4 40 4	8.80 PM	4.50 M		N GRANGERGr	541.3	5.15 PM	4.40 P	. 12.05 ™	8,15 M	6.30 PM	
The abo	ve figures are	for informa	tion only,	and not for	use in run	ning.	(30.5)  — See Time Table of Wyomin	g Div	ision, Eight	h District,	for running	Time Ta	ble.	
887 TCW	8.55M	11.35PM	4.50M	8.30%	10 /4.804		NGRANGERGr	541.3	5.15mm	4.40P	12.05 №	8.154	6.30	
934	4:30	12.10M	t 5.25	8.46	t 5.06	7.6	Moxa	533.7	1 4.55	4.30	f 11.40M	7.45	6.05	
028 W	1 5.35	12,40	f 6.00	9.04	1 5.25	15.4	Nutria	525.9	1 4.30	4.18	f 11.15	7.20	• 5.35	
02	t 6.15	. 1.20	6.45	9.24	1 5.50	24.6	NOpal	516.7	4.03	4.03	f 10.50	+ 6.45	1 5.05	

#### 9.44 1 6.10 33,5 507.8 f 3.30 3.45 1 10.20 8 6.10 4.40 2.00 f 7.25 3,498 RF 499.7 1 8.00 6.80 41.6 N. 3.30 . 9.55 \* 7.30 \* 2.35 \* 8.05 10.00 Ham's Fork 3.30 4,338 10.18 . 6.50 Fossil. Fi 492.0 8 2.35 Nugget . 2.20 8.30 4.10 f 9.45 10.80 1 7.08 485.3 1 2.20 8.50 4.40 | 10.10 10.44 117.30 s 7.30 2.20 f 1.35 8g 478.3 f 2.00 469.9 f 1.40 2.32 f 6.45 12.400 Beckwith 10.582 7.50 5.10 1 10.45 11.20 8 8.15 Cokeville Kv 457.9 8 1.10 s 6.00 12.15M . 11.30M s 10.00 6.00 B 11.30M 449.2 f 12.50 # 11.35PM 10.50 6.40 1 12.05PM 11.35 f 8.33 Border. 5.20 10.80 1.55 10.30 11.45PM 1 8.45 97.8 Nupher. 443.5 1 12.35 4.50 10.55 10.55 7.05 1 12.35 7.50 | 1.25 12.04M t 9.05 108.1 Dingle 433.2 112.10PM 1.25 4.00 10.05 9.45 11.35™ 1,506 TYCW MONTPELIER. M 426.2 11.55M 12.45M T 9.20M | 115.1 N

## West-bound trains will have absolute right to the track over East-bound Trains of the same or inferior class. --- See Rule 84,

Trains must not exceed schedule time between Ham's Fork and Fossil.

No. 504, Fast Mail, has absolute right over all trains.

No. 503, Fast Mail, has absolute right over all trains except No. 504. Passenger Trains must clear time of Fast Mail Trains FIVE minutes.

All other Trains must clear time of Fast Mail Trains TEN minutes.

Andrew Co.		12:77:00	located names	ine SE	1			Class		F	irst Class	AWT	8	Time Table No. 27.
AND LOCA- PUEL AND GTATIONS		-WC				611 U. A. H. Freight	519 Time Freight	515 Anaconda Coal	511 Preight	603 U. d. H. Mail a Kap.	503 Limited Past Hail	501 Express	ORANGE ORANGE	March 2, 1890.
PEET ON			1-7		-	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	-	
MENT		134					12.55 M	9.40	4.00 %		18,20 M	9.40 M	1,15.1	NMONTPELIER
06 TYCW								10.15	1 4.80		12.35	1 9.55	121.4	Pescadero
92 -							f 2.05	<b>*10.57</b>	1 5.05		12.50	110.16	129.0	Noyene
02 W			11				2.35	11.25	1 5.45		1.05	10.37	136.1	Oagis
00							+		1 6,26		1.93	110.58	144.7	Stock Yards
18 W.						7 7	8.20	11.00 H			1.25	*11.01	146.0	N Soda SpringsSo
18 C	¥					2.3.2.1	8.45	12.35	1 6.55		1.35	f11.15	151.7	Orater
78		A		** *** *** *** ***			. 4.30	. 1.10	1 7.45		1.55	111.43	161.8	N Squaw Creek S
84 W				** ****		× 2	5 10	1.45	1 8.20	,	2.10	11.59 M	170.4	Pebble
87		4	** **** *******			6	5.40	2.10	. 8.55		2.22	112.13-74	177.A	Laya
62 W		1				7.78	6.15	2.30	t. 9.20		2.35	f12.25	184.2	Topaz
51		i ameni				1			1 1 1 1	1.35 4	2.45	s12.38	191.2	N McCAMMON
244 WC						5.15	m s 6.45	1 3.00	s 9.55	1.50	2.53	112.46	il .	Onyx
123						5.35	• 7.07	3,15	110.10	2.10	3.05	1 1.00	202.2	Inkom.
761 W	v					6.05	1 7.35	3.40	110.40				Ш	Portneuf
778				,		. 6.35	8.00	4.05	111.05	2.25			44	NPOCATELLO
617OTYCV	w					7.05	PM 8.30 A	4.30	11.80	2.45 M	3.20 ~	1.20		0:

West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.—See Rule 84,

O. S. L. Dispatcher will give all orders concerning movement of trains between McCammon and Pocatello.

No. 504, Fast Mail, has absolute right over all trains.

No. 503, Fast Mail, has absolute right over all trains except No. 504.

Passenger trains must clear time of Fast Mail trains, FIVE minutes.

All other trains must clear time of Fast Mail trains TEN minutes.

701		1252	经财政信息	First Clas	16		Second	Class	an control	TITTE ALT IN	T				-	-
VER BOW	Time Table No. 27.  March 2, 1890.	Modes rhos	502	504	604	512 Wag Freight	5:16 Anaconda Cont	520 Time Preight	612 U. a N. Freight	- in	per (**)	1237 k	03:2	VV	SAL TO M	
DISTAN	STATIONS	VIBI I	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	114	in a	316.	615			
-	-	A . 1 1 1	11/2/27	DEC 1 TOR	er 1972	2,00	8.30	8.000	1 6	A T		1 17:	71.452			1
	N MONTPELIER M	73/5 7		il, exis A.	- TIA	T.	8,05	7.35	Sec.	200 3	1-		(Les			A MS
	Pescadero	419.9	f 11.20	12.59	1. 5 T	4 1.30	. 0	7.17	1 785	10-	- 1 <sub>2</sub> \$	un:- 8				,
	Novene	412,3	1 10.57	12.48		12,50	1 7.35	1 7.05				OP :	27 27 3			
	Oasis	405.2	■ 10.37	12.30	00.6	f 12,15m	7.10	6.85			,				······	
	8.6	А	f 10.13	12.16	55.6 1	f 11,45m	6.85	5.55			98					
-	N Stock Yards	1		12.14	415	× 11.40	. 6.30	8 5.50								
- 1	5.7		5 K. Q.	12.01		f ¥1.15	\$6 10	5.25	£ 784		20 1	04.61	Sh			::
1. 1	Crater	11	62. 6					4.30	1. 0 11				08.8			13.50
	NSquaw CreekSq	379.5	9.25	11.430		10.20	* 5.20	4.30	************							i.
	Pebble	370.9	1 9.05	11.27		1 9,80	4.40	8.45			*********					
	Lava	363.9	1 8.45	11.15		. 8.55	4.05	8.10								
	Topaz	1 .	1. 1.	11.01		10.25	3.35	2.35		Cy (c) 1	5.0					

(99.3) (4.35) (3.06) (1.10) (7.60) (7.06) (8.08) (1.45) West-bound Trains will have absolute right to the track over East-bound Trains of the same or Inferior class.--- See Rule 84.

2.40

2.15

1.50

1.15 . 7.07

18.45 6.40

12.20M 6.15

1.25PM 11.55PM 5.45MM.

O. S. L. Dispatcher will give all orders concerning movement of trains between McCammon and Pocatello.

Men 350.1 . 8.07 10.50 . 11.25m . 7.50 . 3.00 . 1.35 . 7.30m

11.10 1 7,30

1 7.00

10.50

No. 504, Fast Mail has absolute right over all trains.
No. 503, Fast Mail has absolute right over all trains except No. 504.

POCATELLO.....Ca 326.9 7.00m 10.05m 10.15m 6.10m

345.6 1 7.55

339.1 1 7.35

MoCAMMON

274.1

267.6

Passenger trains must clear time of Fast Mail trains FIVE minutes.

2 333.3 1 7.15 10.16 10.35 8 6.35

All other trains must clear time of Fast Mail trains TEN minutes.

## Oregon Short Line-THIRD DISTRICT-Pocatello and Glenn's Ferry.

144		WE	ESTW	ARD			11	Time Table No. 27.	5	100	I OA	AST	VARE	No. No.	Test	7
Biatt	I	12	Second	d Class	First	Class	11	March 2, 1890.	Tyell	- Staff First	Class	Secon	Class	0001.2	10,000	1
174 OF 388 877 A80 LG 10, OF 85M 18, PASL, A		- 00	519 Time Freight	517 Freight	503 Limited Fast Hall.	501 Express.	TANGES FRO	STATIONS	TANCES PROUNTINGEON	502	504 Limited Fast Hall.	516 Freight	520 Time Freight	Tions	AT A	
BEFFE			Leave Daily	Leave Daily	Leave Daily	Leave Daily	8		8	Arrive Daily	Arrive Daily	Arrive Dally.	Arrive Daily	Waring L.	राष्ट्रको र	1
18,6 17YOTOW	Denne	Ğ	10.40M	3.40	3.404	2.06	214.4	N. POCATELLO	326.9	1 6.40M	9.55M	11.55M	8.00M		*	
1,765	<b></b>		• 11.25M	1 4.20	4,00	f 2.15	222.7	Michaud	318.6	1 6.20	9.40	• 11.25	t 7.25			
1,719 W	<b>,</b>		■ 12.55M	. 5.43	4.30	. 2.47	239.6	NAmerican FallsA	301.7	. 5.43	9.12	a 10.00	. 6.15	5		
1,007			4 1.40	t 6.15	4.50	f 3.05	248.0	Napati	292.7	1 5.88	8.55	1 9.20	1, 5,40			
1,776 W			1 2.25	f 6.40	5.05	1 3.20	256.5	YESPI	284.8	s 5.05	8.43	1 8.43	1 5.05			
,806 CW	<b>/</b>		1 3.50	. 7.35} . 8.15	5.38	: 3.50	272.9	NMinidokaR	268.4	a 4.20	8.15	7.35	1, 3.50	33 (-1)		
1,796 W	/ <b> </b>		* 4.55	. 9.30	6.12	1 4.25	289.6	DKimamaKm	251.7	f 3.30	7.46	1 6.12	8 2.40			
1,809 W	1		1 5.50	1 10.35	6.48	1 4.53	304,0	Owinsa88	237.3	1 2.50	7.22	1 5.00	t 1.45	· · · · · · ·		
.000			1 6.30	f 11.20	1 7.03	f 5.15	314.3	Wascanza	227.0	1 2.22	7.03	f 4.20	1 1.05			
O.OSSOTYCW	<b></b>		a 7.00	11:59 M	s 7.20	s 5.30	322.	N. SHOSHONE	219.2	s 2.00	8 6.50	. 13:45	112.30m	<del></del>		
1,000			t 7.40	t 1.15	7.38	t 5.50	3314	Торира	209.9	t 1.37	6.35	t 2.30	111.20			
1,000 W			1 8.05	f 1.45	7.52	1 6.04	386.0	Toponis	203.3	1 1,18	6.22	1 1.55	f 10.55			
w e10,8			t 8.55	1 2.45	8.17	1 6.30	351,0	D	190.3	1 12.47	5.59	12.47	f 10.00			
,923		•••••••	1 9.25	f 3.15	8.30	1 6.45	357.9	Tiqeska	183.4	1 1 1 12 1	5.45	f 12.10M	1 9,25			
9,122 W			1 10.00	1 3.55	8.45	1 7.05	365.8	King Hill	178.5	1 18.02M	5.25	f 11.30%	s \8.45			
0,064 TCW			10.30	4.30%	9.004	1 7.20%	374,3	M GLENN'S FERRY Of	167.0	11.45m	5.10M	71.00₩	7.50M			ļ
1	T. W	100	Arrive Daily	Arrivo Daily	Arrive Bally	Arrive Daily	-	#1101-127 7 16 Yo X' off	SAT	Leave Daily	10000	Leave Daily	Loave thally	1 54 5	3/15/3/20	1

## West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.—See Bule 84.

Trains must not exceed schedule time descending King Hill grade.

Trains must not exceed schedule time descending King Hill grade.

Trains must not exceed a speed of four (4) miles per hour crossing Snake River bridge at American Falls.

No. 504, Fast Mail, has absolute right over all Trains

No. 503, Fast Mail, has absolute right over all trains except No. 504.

Passenger Trains must clear time of Fast Mail Trains FIVE Minutes.

All other Trains must clear time of Fast Mail Trains TEN Minutes.

## Oregon Short Line-FOURTH DISTRICT-Glenn's Ferry and Huntington.

	-	WE	STW	ARD			T	Time Table No. 27.			- C	EAST	WAR			
NOS AND		7 0	Second	Class	First	Class	1 8	March 2, 1890.	8 .	First	Class	Second	Class			1
TH OF BID OF BOAL IN, FVEL.	×		519 Time Freight	517 Freight	503 Limited Fast Mail	501 Express	TANCE FR	STATIONS	TANCÉS PRE UNTIRISTO	502 Express	504 Limited Fast Mail	516 Freight	520 Time Freight			
LENG IN PE TYON WATE TURN			Leave Daily	Leave Daily	Leave Daily	Leave Daily	8		0 2	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			
0,054 C T W			11.3574	5.80PM	9.05M	7.50m	374.3	NGLENN'S FERRYG	167,0	11.35%	5.05W	10.00PM	7.00M			
,917			f 12.15M	f 6.15	9.25	1 8.15	385.5	Medbury	155.8	f 11.10	4.45	f 9.20	f 6.20			
,989			f 12.50	1 6.55	9.45	1 8.40	394.0	Reverse	147.3	f 10.50	4.30	4 8.40	f 5.40		,	
1,773 W			s 1.30	1 7.50	10.10	s 9.05	403.9	N Mountain Home Mz	137.4	* 10.80	4.13	s 7.50	8 5.00			
,961 W			f 2.05	f 8.55	10.33	f 9.25	415.1	Cleft	126 2	1 10.05	3.55	f 6.55	f 4.15			
,979			f 2.35	9.46	10.50	1 9.46	423.2	Nameko	118,1	9.46	3.42	f 6.05	8 3.42			1
,990 CW			8 3.30	1 10.22	11.05	1 10.00	430.0	Bisuka	111.3	f 9.80	3.30	f 5.30	8 3.00			
1,941			f 3.58	f 10.55	11.17	1 10.14	437.1	Owyhee	104.2	f 9.10	3.15	t 4.55	f 2.25			
1,928 W			f 4.30	f 11.35	11,33	1 10.29	445.0	Mora	96.3	t -8.50	3.00	f 4.15	f 1.45			
,962		·	f 4.45	f 11.57PM	11.40	1 10.37	449.2	Kuna	92.1	1 8.40	2.52	f 3.50	f 1.25			
1,925 Y W			s 5.20	12.40W	• 11.59W	* 10.52	459.0	Nampa	82.3	8,14	* 2.32	s 2.55	12.40W			
5,251 CW			\$ 5.55	* 1.25	s 12.15PM	11,08	468.0	NCaldwell	73.3	* 7.50	2.15	s 2.05	s 11.55PM	·		
2,049 W			f 6.25	8 2.01	12.29	111.22	474.8	Notps	66.5	t 7.33	2.01	t 1.30	s 11.22			
2,048	,		f 6.55	t 2.35	12.45	f 11.38	483.1	Parma	58.2	f 7.10	1.47	. 12.45PM	f 10.45			
1,838			f 7.25	f 8.05	1.00	£ 11.55%	490,9	Nyssa	50,4	1 6.50	1.30	f 11.55M	f 10.15			
1,901			8.05	* 3.45	1.18	s 12.14M	501.0	NOntario	40.3	s 6.29	1.14	a 10,55	s 9.35			
1,837			£ 8.15	t 8.55	1.22	f 12.18	503.3	Washoe	38.0	1 6.24	1.10	f 10,40	1 9.25			1
,345 W			8 8,20	8 4.00	1.25	* 12.21	505.1	D. PayetteA	36.2	8 6.20	1.07	* 10.80	s 9.20			
1,912			# 9.10	s 4.55				DWeisers			12.45	8 9.10	s 8.30		· · · · · · · · · · · · · · · · · · ·	1:
1,778		***************************************	f 10.00	f 5.55	2.18	1 1.20	532.3	Old's Ferry	9.0	1 5.20	12.23	f 8,10	f 7.85			
6,818 TCW	•••••		10.80M		2.35M	1.40	541.3	M HUNTINGTONH		5.00PM	12.104	7.804	7.00PM			
			Arrive Daily	Arrive Daily	Arrive Dally	Arrive Dally				Leave Daily	Leave Daily	Leave Daily	Leave Daily			-

# West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.—See Rule 84. Trains must not exceed Schedule Time descending Medbury grade.

Trains must not exceed twelve (12) miles per hour crossing truss bridges, or four (4) miles per hour crossing Snake River bridge at mouth of Burnt River.

No. 504, Fast Mail, has absolute right over all trains.

No. 503, Fast Mail, has absolute right over all trains except No. 504.

Passenger Trains must clear time of Fast Mail Trains FIVE minutes.

All other Trains must clear time of Fast Mail Trains TEN minutes.

-		W	EST	NARE	)			Time Table No. 27.	-	· ·	E	AST	WAR	D	24 × 9 × 120	
DINGS LOCA- ALES, AND TIONS		-			- Billion - Almin	2d Class	1 2	March 2, 1890.		2d Class	, , ,	1.	1	1	1	Ħ
LENGTH OF 81 IN FEET AND TION OF 60 WATER, FUEL TURNING STA						521 Freight and Passenger Leave Daily Exc. Sunday	BISTANCE FRE	STATIONS	THETANCES PRO	522 Freight and Passenger Arrive Daily Exo. Sunday				v		
,0230TYCW						87.40M		NSHOSHONEs	69,4	5.00m						
,788 W						f 8.55	21.9	Pagari	47.5	1 3.45						
,816						1 9.20	29.7	Tikura	39.7	1 3.20						J
771 W						f 9.50	37,3	Picabo	32.1	f 2.50	The second					
825	**********			**********		* 10.40	52.1	DBellevuev	17.3	. 2.00	***********				ž	1
112 W						* 10.55	57.2	D	12.2	* 1.45	*************					
593 Y				*********		11.40M	69,4	DKETCHUMKu		1.00™						
						Arrive Daily Exc. Sunday				Leave Daily Exc. Sunday					-	-

# West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.—See Rule 84.

White Signals will not be displayed at TelegraphOffices at night on Fifth District.

### Oregon Short Line.—Boise Branch.

WESTWARD		Time Table No. 27.		E	ASTV	VARE	)		
2d Class		March 2, 1890.	2d C	lass	T		I	1	T
533 531 Freight and Passenger Passenger		STATIONS	532 Freight and Passenger	534 Freight and Passenger					
Leave Daily Leave Da	ly	128	Arrive Dally	Arrive Daily					-
w y	SPM C	N NAMPAAz 19.	11.40M	8.00mi					
C Y 12.25W 1.36	SPM T1	DBOISEBD 0.	10.30#	6.50m					
Arrive Daily Arrive Da	ty		Leave Daily	Leave Daily					-

West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.--- See Rule 84.

## Utah & Northern-SIXTH DISTRICT-(N. G.)-Ogden and Pocatello.

653 300 970 W 602 477 T 251 CW 170 W 981 235 O T C W 285 220 028 W 510 Y			f 6.30 f s 7.00 s 7.40 f 8.05 s 8.40	10.00M f	603 Fact Hall Leave Daily 6.457 1 7.30 1 7.50 1 8.18 1 8.82 8.50 1 9.02 8 9.20 8 9.20 8 9.50	4.7 8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	March 2, 1890.  STATIONS  N. OGDEN Og Harrisville D. Hot Springs He Willard Craighead D. Brigham Bm Honeyville Dewey D. Collinston Qu Cachill D. Mendon Mq N. Logan Q	404.1 399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	604 Fast Hail  Arrive Daily  5.30PM f	f	6.45PM f a 5.50 f 5.15			
199 T 653 300 970 W 602 A77 T 251 C W 170 W 981 235 O T C W 285 220 028 W 510 Y			Freight Leave Daily  5.254  f	10.00M f 10.31 f 10.50 f 11.15 f 11.38 f 11.50M a 18.10M f 18.25 a 12.56	######################################	4.7 8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	STATIONS  N. OGDEN Og Harrisville D. Hot Springs Ha Willard Craighead D. Brigham Bm Honeyville Dewey D. Collinston On Cachill D. Mendon Mq	404.1 399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	Fast Hail  Arrive Daily  5.30 PM  f	### Passenger  Arrive Daily  9.15AM  f	Freight Arrive Daily 6.45 PM f			
199 T 653 300 970 W 602 A77 T 251 C W 170 W 981 235 O T C W 285 220 028 W 510 Y			5.254 f	10.00M f	6.457 f	4.7 8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	M OGDEN Og Harrisville D Hot Springs He Willard Craighead D Brigham Bm Honeyville 4.7 Dewey D Collinston Os Cachill C O Mendon Mq	404.1 399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	5.30 PM f	9.1544 f	6.45PM f			
199 T 653 300 970 W 602 A77 T 251 C W 170 W 981 235 O T C W 285 220 028 W 510 Y			f 6.05 f 6.30 f 7.00 7.40 f 8.05 8.40 f 9.00 9.35	10.31 f 10.50 f	f	4.7 8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	Harrisville  D Hot Springs Ma  Willard  Craighead  D Brigham Bm  Honeyville  Dewey  Collinston Qn  Cachill  D Mendon Mq	404.1 399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	f	f	f			
199 T 1553 100 170 W 170 T 151 C W 170 W 170 W 185 T C W 186 T C W 187 T C W 188 T C W			f 6.05 f 6.30 f 7.00 7.40 f 8.05 8.40 f 9.00 9.35	10.31 f 10.50 f	f	4.7 8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	Harrisville  D Hot Springs Ma  Willard  Craighead  D Brigham Bm  Honeyville  Dewey  Collinston Qn  Cachill  D Mendon Mq	404.1 399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	f	f	f			
53 00 70 W 02 77 T 51 C W 70 W 81 35 O T C W 85 20 28 W			6.05 f 6.30 f 7.00 f 7.40 f 8.05 s 8.40 f 9.00 s 9.35	* 10.31 f 10.50 f * 11.15 f 11.38 f 11.50 * 12.10 f 13.25 * 12.40	8 7.12 1 7.30 1 7.50 1 8.18 1 8.32 8 8.50 1 9.02 8 9.20 8 9.40 9.50	8.9 14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	D Hot Springs He Willard Craighead D Brigham Bm Honeyville Dewey D Collinston Os Cachill D Mendon Mq	399.9 394.6 391.8 387.5 378.2 373.5 367.6 364.1	* 5.08 f 4.55 f * 4.35 f 4.10 f 4.00 * 3.45 f 3.35 * 3.18	* 8.45 f 8.28 f * 8.05 f 7.40 f 7.30 * 7.15 f 7.05	s 5.50 f 5.15 fs 4.35 f 3.45 f 3.90 s 2.50 f 2.80			
153 00 170 W 102 177 T 151 C W 170 W 181 135 O T C W 185 120 128 W 110 Y			f 6.30 f	f 10.50 f	f 7.30 f 8.18 f 8.32 e 8.50 f 9.02 e 9.20 e 9.40 9.50	14.2 17.0 21.3 30.6 35.3 41.2 44.7 50.7	Willard Craighead D. Brigham 8m Honeyville Dewey Collinston Quantum Cachill D. Mendon Mq	394.6 391.8 387.5 378.2 373.5 367.6 364.1 358.1	f 4.55 f	f 8.28 f	f 5.15 f			
70 W 02 77 T 51 C W 70 W 81 35 O T C W 85 20 28 W			* 7.00 * 7.40 f 8.05 * 8.40 f 9.00 * 9.35	# 11.15 f 11.38 f 11.50 # 12.10 f 12.25 # 12.40	s 7.50 f 8.18 f 8.82 s 8.50 f 9.02 s 9.20 s 9.40 9.50	21.3 30.6 35.3 41.2 44.7 50.7	D. Brigham Bm Honeyville Dewey Collinston On Cachill D. Mendon Mq	387.5 378.2 373.5 367.6 364.1 358.1	4.35 f 4.10 f 4.00 s 3.45 f 3.35 s 3.18	s 8.05 f 7.40 f 7.30 s 7.15 f 7.05	s 4.35 f 3.45 f 3.20 s 2.50 f 2.30			
02 77 T 51 C W 70 W 81 35 O T C W 85 20 28 W			f 8.05 s 8.40 f 9.00 s 9.35	f 11.38 f 11.50 a 18.10 f 18.25 a 12.40	f 8.18 f 8.32 a 8.50 f 9.02 s 9.20 a 9.40 9.50	30.6 35.3 41.2 44.7 50.7	Honeyville Dewey D. Collinston On Cachill D. Mendon Mq	378.2 373.5 367.6 364.1 358.1	f 4.10 f 4.00 s 3.45 f 3.35 s 3.18	f 7.40 f 7.80 s 7.15 f 7.05	f 3.45 f 3.20 s 2.50 f 2.30			
77 T 51 C W 70 W 81 35 O T C W 85 20			f 8.05 s 8.40 f 9.00 s 9.35	f 11.5044 * 18.1074 f 18.25 * 12.40	f 8.82 e 8.50 f 9.02 e 9.20 e 9.40 9.50	35.3 41.2 44.7 50.7	Dewey  D. Collinston On  Cachill  D. Mendon Me	373.5 367.6 364.1 358.1	f 4.00 * 3.45 f 3.35 * 3.18	f 7.80 s 7.15 f 7.05	f 3.20 s 2.50 f 2.30			
81 CW			* 8,40 f 9,00 * 9,35	* 18.10*** 1 18.25 1 12.40 1 12.55	8.50 f 9.08 s 9.20 s 9.40 9.50	41.2 44.7 50.7	D. Collinston On Cachill Mendon Me	367,6 364.1 358.1	* 3.45 f 3.35 * 3.18	* 7.15 f 7.05	s 2.50 f 2.30			
70 W			# 9.00 # 9.35	f 18.25 = 12.40 = 12.55	1 9.08 8 9.20 8 9.40 9.50	50.7 57.6	Cachill	364.1 358.1	f 3.35	t 7.05	f 2.80		<i>4</i>	
81 35 O T C W 85 20 28 W			* 9.35 * 10.20 * 11.20	* 12.40	8 9.20 8 9.40 9.50	50.7	DMendonMq	358.1	. 3.18	20 0000000			<i>4</i>	
85 O T C W		····	· 11:20	* 12.55	* 9.40 9.50	57.6	6.9			s 6.45	s 2.00			
85 20 28 W							MQganQ	351.2	/					
20 28 W							11 7.7		1 38.90	s 6.25	1 3-20			
28 W	Assertan Lamaika	The second second second		A	£	. 62.3		11						
10 Y				1.18		11	DSmithfieldSm	11						
			s 12.25N	1.83*	■ 10.30	71,0	DRichmondRn	337.8	. 2.05	. 5.47	• 11.30		1	
			N 50 202	1.50	The second secon		6.2 DFranklinF							
			f				Whitney	11						************
82				1 2.13		11	2.8 Preston	1)					***************************************	
18 TCW			f 1.55		11.25	II.	DBattle CreekBq				€ 10.05			
89			f 2.20				Morrell	11 1						******
23			. 0 2.55			- 11	DOxfordox	11			- 0.00			
77 W			f 8.10		1 12.14	103.6	Swan Lake	305.2	f 12.33		t 9.05			
98	********		f 3.45		1 12.35	110.6	Calyin	298.2	t 12.15	**********	1 8.40			
84			. t 4.00	Ţ	1 12.45	113.8	Downey	295.0	1 12.07PM		t 8.30			
01 W			t 4.25		1 1.00	119,1	Thatcher	289.7	1 11.55M		1 8.10			
94			1 4.45		1 1.15	11	Arimo	11						
14 CW					1000 1000 000		N McCAMMON: Mc	11	100000000000000000000000000000000000000					
						-		11		1		The second secon		

The figures given below are for information only, and not for use in running.—See Time Table of Idaho Division, Second District, for running Time Table.

2,24	4 CW	7.05PM	•••••	1.35M 130.2 2.45M 153.4	MoCAMMON Mc 278	.6 11.25M		7.30M	 
1		113 40)	4 20	(B (BA)	1180 4:	45 484	the second second second	.10.00	

## West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.-- See Rule 84.

Trains must not exceed schedule time descending Collinston, Cachill, Bear River and Battle Creek grades.

Conductors of passenger trains leaving Ogden will station a brakeman with flag at Utah Central Crossing until train passes over crossing.

O. S. L. Second District Time Table will be used as running card on three rail joint track between McCammon and Pocatello.

## Utah & Northern -SEVENTH DISTRICT-Pocatello and Spring Hill.

		W	ESTV	VARD		ii.	- (	Time Table No. 27.	1		. 70E	AST	WAR	)	
84492		8	econd Clas	8	First	Class	*			First	Class	8	econd Clas	18	11
LENGTH OF BIDINGS IN FEET AND LOCA- TION OF BCALES, WATER, FUEL AND TURNING STATIONS	•	619 Time Freight	615 Anaconda Coal	611 Freight	603 Fast Mail	601 Express	ANCES FRO	March 2, 1890.	LYER LOW	602 Express	604 Fast Mail	612 Freight	616 Anaconda Freight	620 Time Freight	
LENGT IN FEL TION WATE TURN		Leave Daily	Leave Daily	Leave Daily	Leave Daily	ceave Daily	Tag	STATIONS	TBIG	Arrive Daily	Arrive Daily	Arrive Daily		Arrive Daily	-
1,6170TYCW		10.30W	8.00PM	7.00M	3.45M	1.45PM	153.4	N POCATELLO C	255.4	10.45PM	₹ 6.15M	5.30PM	10.00	9.45	
1,411	· · · · · · · · · · · · · · · · · · ·	11.204	s 8.55	1 7.42	1 4.09	1 2.08	164.9	Ross Fork	243.9	10.23	f 5.51	t 4.45	1 9.20	* 8.55	
3 204 W		a 12.10PM	10.00	8.30	• 435	• 9.34	177.4	DBlackfootB	231.4	s 10.00	5.25	a 3.50	8.30	• 7.50	
1,759 W	******	1.00	11.00PM	1 9.40	8 5.00	1 3.00	189.6	Basalt	219.2	1 9.37	. 5.00	8 3 00	t 7.30	1 6.50	
3,801 W	STATE OF STREET	. 2.00	■ 12.05M	* 11.05	s 5.25	* 3.28	203.5	N Eagle RockAi	205.3	s 9.13	* 4.34	s 2.00	. 6.20	s 5.40	
1,611	**********	3.00	12.47	f 11.55M	f 5.40	1 3.45	212.1	Payne 8.3	196.7	f 8.56	1 4.17	f 1.22	8 5.40	t 4.47	
1,649 W		· 4.00	t 1.30	12.45PM	t 5.54	4.00	220.4	DMarket LakeA	188.4	8 8.40	1 4.02	12.45	1 4.55	# 4.00	
1,763	2500000000	4.50	2.20	f 1.30	f 6.10	1 4.22	230.7	Hawgood	178.1	1 8,21	1 3.42	f 12.02PM	f 4.13	f 3.10	
7,793 Y C W	*** *****	8 6.30 }	. 3.20 4.00	a 2:50}	s 6.30	s 4.45	241.7	NCamas	167.1	s 8.00	• 3,20	111.15M 10.45	. 3.20 2.45	. 12.15 1.45	······································
1,815 W		1 7 35	4.50	t 3.45	f 6.55	f 5.10	253.6	Dry Creek	155.2	f 7.35	f 3.00	1 9.45	f 1.38	f 12.58	
1,714 W		8.10	5.25	1 4.25	t 7.16	f 5.30	262.4	High Bridge	146.4	t 7.15	t 2.40	f 9.00	f 12.50	f 12.15 PM	
506							265.	China Point	143.7						
7,650 Y C W		8.45	s 6.00	s 5.05	s 7.34	* 5.50	270.7	NBeaver CanonRo	138.1	8 6.55	8 2.20	s 8.15	· 12.054	s 11.40m	
1,800	*********	9.15	6.32	1 5.85	f 7.50	1 6.05	276.4	Pleasant Valley	132.4	f 6.40	1 2.00	7.50	f 11.85m	1 11.15	
4,115 YW		s 9.45	5 7.10	* 6.20	* 8.05	. 6.20	283.3	NMonidaMo	125.5	1 6 20	* 1.45	1 7.10	« 11.00	* 10.40	
1,830 W		s 10.15	7.50	1 7.00	t 8.20	f 6.35	291.8	Williams	117.0	f 6.00	f 1.24	f 6.85	10.15	f 10.00	
,030 TCW		10.40PM	8.304	7.30PM	1 8.304	¶ 6.45PM	298.5	NSPRING HILLRd	110.3	5.45P≥	1.10	6.00M	9.40	9.80	
		Arrive Daily	Arrive Daily	Arrive Dairy	Arrive Daily	Arrive Daily				save Daily	Leave Daily	Leave Daily	Jeave Daily	Leave Daily	

West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.--See Rule 84.

U. & N. trains will not pass Junction switch at Pocatello unless signaled ahead by Yardmen.

East-bound trains must not exceed Schedule time between Pleasant Valley and Beaver Canon.

Utah & Northern—EIGHTH	DISTRICT-Spring	Hill and	Silver	Bow.

800 1,825 W			619	Class	Ist C	Class		Time Table No. 27.	- (	l st C	lass	2d (	C'ass	1	
,810 W ,800 ,832 W ,976 ,976 ,825 W			619	015			11 8	1	38				- moo		
,810 W ,800 ,832 W ,976 ,976 ,825 W		- 1	Time Freight	615	603 Fast Mail	601 Express	оврем гви	March 2, 1890.	NACES FRO	602 Express	604 Fast Mall	616 Anaconda Freight	620 Time Freight		-
,810 W ,800 ,832 W ,976 800 ,825 W			Leave Daily	Leave Dail		Leave Daily	Tara	STATIONS	D'6T	Arrive Daily	Arrive Daily.	Arrive Daily			
,800 ,832 W ,976 800 1,825 W ,940 T C W			11.50PM	10.00	8.504	7.05PM	298.5	NSPRING HILL Rd	110,3	¶ 5.25₽₩	1.004	8.30 PM	8.00 M		
,976 800 ,825 W		*********	• 12.40M	f 10.35	1 9.04	1 7.20	306.7		102.1	f 5.08	f 12.40	t 7.58	f 7.20		****
,976 800 ,825 W ,940 T C W			1 1.04	f 11.00	1 9.15	1 7.32	312.8	Orab Tree	96.0	1 4.54	f 12.25	* 7.32	f 6.50		
800 ,825 W ,940 T C W	********		s 1,40	s11.40#	s 9.30	* 7.50	321,4	NRed RockDk	87.4	s 4.35	s 12.05M	a 6.55	s 6.08		********
,825 W			f 2.11	f 12.18m	1 9.45	F 5		Grayling	i			r 6.15	f 5.22		
,825 W ,940 TCW							#-	Daly's	- 1		f				
<b>644</b> *10**				f 1.00				Barratts					1 4.40		
- Indian							11	NDillonDa					4.00		
				. 2.00		\	1	12.2				1.1			
		************	1 4.25					Apex				s 3.15		*******	
			1 4.50	1 3.50		333042.6					10.15	f 2.30	1 1.45		
530 CW .		****** **** ***	5.40		t		1)	Earle			f			13113132111111	
	i	**********	· 6.00}	· 5:20	s 11.25	19.50	377.5	N Melrose	31.3	8 2.40	9.50	s 1.26	s 12.40M		**********
629			8 6.50	• 6.18	11.50	• 10.17	388.8	Divide	20.0	. 2.13	9.20	■ 12.25	s 11.40PM		
416	• • • • • • • • • • • • • • • • • • • •		f 6.58	f 6.28	f 11.55#	f 10.22	390.7	Dyer's	18.1	f 2.10	f 9.15	f 12.15	f 11.30		
600 W			t 7.15	1 6.45	1 12.01%	1 10,80	393.0	Woodin	15.8	f 2.02	f 9.08	12.01	f 11.15		
800 Y			f 7.50	1 7.10	1 12.16	f 10.48	399.5	Feely	9.3	f 1.50	f 8.55	f 11.30M	10.45		
776		••••••	f 8.10	t 7.82	f 12.26	f 10.57	403.5	Buxton	5.3	f 1.38	f 8.43	f 11.10	t 10-15		
500 YCW			8.304	8.00 Pa	12.35 №	11.10%	408.8	N SILVER BOWSb		1.25PM	8.25%	10.45W	9.45™		
			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	-			Leave Daily	Leave Daily	Leave Daily	Leave Daily	-	
		The fig	(8.40) ures below a	(10.00,	(3.45)	(4.05)	nee in	running.—See Time Table of Mo	ntans	(4.00)	(4.35)	(9.45)	(10.15) Table.		
11					THE PERSON NAMED IN										

West-bound Trains will have absolute right to the track over East-bound Trains of the same or inferior class.—See Rule 84.

Trains must not exceed Schedule time descending Glen and Buxton grades or between Melrose and Divide.

11.40M 415.6 M.

## UNION PACIFIC RAILWAY.

PURIOR TOTATERO EN HURA-PORTERIZOR SE MANTE

## GENERAL NOTICE.

It is of the utmost importance that proper rules for the government of the employes of a railroad company should be literally and absolutely enforced, in order to make such rules efficient. If they cannot or ought not to be enforced, they ought not to exist. Officers or employes whose duty it may be to make or enforce rules, however temporary or unimportant they may seem, should keep this clearly in mind. If, in the judgment of any one whose duty it is to enforce a rule, such rule cannot or ought not to be enforced, he should at once bring it to the attention of those in authority.

All employes should be required to be polite and considerate in their intercourse with the public. The reputation and prosperity of a company depend greatly upon the promptness with which its business is conducted and the manner in which its patrons are treated by its employes.

#### GENERAL RULES.

1. The Rules herein set forth apply to and Supersedes all govern all roads operated by the Union Pacific Railway Company. Railway Company.

They shall take effect February 1st, 1890, and supersede all prior rules and instructions, in whatsoever form issued, which are inconsistent therewith.

2. In addition to these rules, the Time-tables will contain special instructions, as the same may be found necessary. Special instructions whether in conflict with these rules or not, which may be given by proper authority, whether upon the Time-tables or otherwise, shall be fully observed while in force.

3. The head of each department must be conversant with the rules, supply copies of them to his subordinates, see that they are understood, enforce obedience to them, and report to the proper officer all violations and the action taken thereon.

Copy of

4. Every employe of this company whose duties are in any way prescribed by these rules must always have a copy of them at hand when on duty, and must be conversant with every rule. He must render all the assistance in his power in carrying them out, and immediately report any infringement of them to the head of his department.

5. The fact that any person enters, or remains in, the service of the company will be considered as an assurance of willingness to obey its rules. No one will be excused for the violation of any of them, even though not included in those ap-

pplicable to his department.

6. If in doubt as to the meaning of any rule or special instructions, application must be made at once, to the proper authority, for an explanation. Ignorance is no excuse for neglect of

Promo- 7. All employes will be regarded as in the line of promotion, advancement depending upon the faithful discharge of duty, and capacity for increased responsibility.

Lost time. 8. If an employe should be disabled by sickness or other cause, the right to claim compensation will not be recognized. An allowance, if made, will be a gratuity justified by the circumstances of the case, and the employe's previous good conduct.

Jurisdic- 9. Every employe, while on duty connected with the trains on any division of the road, is under the authority, and must conform to the orders, of the superintendent of that division.

Uniforms 10. Employes must wear the prescribed badges or uniforms while on duty.

11. Mail-agents, express messengers, parlor and sleeping car conductors and porters, news agents, and persons in charge of individual cars are subject, while on duty, to the rules governing employes of the company.

#### STANDARD TIME. V

Standard 12. Observatory Standard Time is the only recognized standard, and will be transmitted from Washington Observatory at St. Louis, Mo., to the designated offices.

13. The Standard Time will be telegraphed to all points from the St. Louis Observatory at 10:00 a. m., Central Time, daily. The time used shall be as follows: On all of the lines east of North Platte, Neb., and Wallace, Kas., time of the 90th meridian, known as "Central Time." On all lines west of these points and east of Huntington, Or., time of the 105th meridian, known as "Mountain Time," which is one hour slower than Central Time and on all times west of Huntington. time of the 120th meridian, known as "Pacific Time," which is one hour slower than Mountain

14. The Standard Time for each district shall be that of the clock in the Train Dispatcher's

15. Where station clocks are provided, station agents must see that they show correct time; but trainmen and enginemen must Lut take time from such clocks untess they are also. designated as Standard Cucke.

Watehes. 16. Each conductor ad engineman must have. a reliable watch, which has been examined and certified to on the form attached hereto, by a responsible watchmaker, and must file such certifcate with the proper designated officer before he is allowed to take charge of a train or engine. Watches must be examined and certificates renewed every six months.

#### (Horm of Certificate.,

#### WATCHMAKER'S CERTIFICATE.

the watch of..... on the Union Pacific Railway, has been examined and found to be a reliable and accurate timepiece, and in such repair as will, in my judgment, with proper usage, enable it to run within a variation not to exceed thirty seconds per week. Name of Maker

Brand Number of Movement. Gold or silver..... 

Signed,

Watchmaker.

Address.....

Bogul .t ... 17. Each conductor and engineman must regulate his watch by the designated Standard Clock before starting on each trip, and register in the Train Register Book his name and the time

at which he regulated his watch.

Compar- 18. Conductors and enginemen whose duties prevent them from having access to a Standard Clock must compare daily with, and regulate their watches by, those of conductors and enginemen who have Standard Time, and have registered their names as above provided.

#### TIME TABLES

19. A Time-table is the general law governing the arriving and leaving time of all regular trains at all stations. Time-tables will be issued from time to time, as may be necessary. The times given for each train on the Time-table is the Schedule of such train.

Copies of Time-tables will be furnished to all concerned. Train Dispatchers must know that every conductor and engineman has a copy of same before allowing them to occupy main track after it has taken effect, and must ascertain. from conductor or engineman if such Time-table has been received; such inquiry and answer to be in the following form and copied in train or-

Have you received employes' Time-table No.....to take effect at ..... M ..... (date). I have received employes' Time-table No...

to take effect at ..... M. ..... (date).

20. Each Time table, from the moment it takes effect, supersedes the preceding Timetable, and all special instructions relating thereto; and trains shall be run as directed thereby, subject to the rules. All regular trains on the road running according to the preceding Timetable shall, unless otherwise directed, assume the times and rights of trains of corresponding numbers on the new Time-table.

21. Upon the Time-table not mere than two sud pass sets of figures are shown for a train at any point. When two times are shown, the earlier is the arriving time and the later the leaving time. When one time is shown it is the leaving time, unless otherwise indicated.

Regular meeting or passing time is in full-

Both the arriving and leaving time of a train are in full-faced type when both are meeting or passing times, or when one or more other trains are to meet or passit between those times. In all cases trains are required to clear and

follow as per rules 85 to 90 inclusive.

S'gns and 22. On the employes' Time-table the words "daily," "daily, except Sunday," etc., printed at the head and foot in connection with a train, indicate how it shall be run. The figures given at intermediate stations shall not be taken as indicating that a train will stop unless the rules require it. The following signs placed before the figures indicate:

"a"-regular stop; "f"-stop on signal to receive or discharge passengers or freight;

"T"-stop for meals; - J "p"-day telegraph stations;

"a"-night telegraph stations;

"O"-scales; "O"-coal; "W"\_water:

T"-turn-tables.

wyes.

Trains are designated by numbers and their class indicated on the Time-tables.

### SIGNAL RULES.

SIGNALS.

23. Conductors, enginemen, firemen, brakemen, station agents, telegraph operators, switchmen, switchtenders, track foremen, road and bridge watchmen, and all other employes whose duties may require them to give signals must provide themselves with the proper appliances, and keep them in good order and always ready for immediate use.

Flags and 24. Flags of the proper color must be used by day, and lamps of the proper color by night or whenever from fog or other causes the day signals cannot be clearly seen.

25. Red signifies danger, and is a signal to

26. Green signifies caution and is a signal to go slowly.

27. White signifies safety, and is a signal to

28. Green and white is a signal to be used to stop trains at flag stations for passengers or

freight. 29. Blue is a signal to be used by ear inspect-OFE CHAR

80. An explosive cap or torpedo, placed on the top of the rail, is a signal to be used in addition to the regular signals.

The explosion of one torpedo is a signal to stop immediately; the explosion of two torpedoes is a signal to reduce speed immediately, and look out for a danger signal.

31. A fusee is an extra danger signal, to be lighted and placed on the track at night, in cases of accident or emergency.

A train finding a fusee burning upon the track must come to a stop and not proceed until it is burned out.

32. A flag or lamp swung across the track, a hat or any object waved violently by any person on the track, signifies danger, and is a signal to

TRAIN SIGNALS.

Markers, 33. Each train, while running, must display two green flags by day and two green lights by

night, one on each side of the rear of the train, as Markers, to indicate the rear of the train. Yard engines will not display Markers.

Head and 34. Each train running after sunset, or when obscured by fog or other cause, must display the head-light in front, and two or more red lights in the rear. Yard engines must display two green lights instead of red, except when provided with a head-light on both front and rear.

Bell cord. 35. Each car on a passenger train while running must be in communication with the engine. In the absence of an equivalent appliance, a bell-cord must be attached to the signal-bell of the engine, passing through or over the entire length of the train, and secured to the rear end

36. Two green flags by day and two green lights by night, displayed in the places provided for that purpose on the front of an engine, denote that the train is followed by another train, running on the same Schedule and entitled to the same Time-table rights as the train carrying the signals. 37. Two white flags by day and two white

lights by night, displayed in the places provided for that purpose on the front of an engine, denote that the train is an extra. These signals must be displayed by all extra trains, but not by yard engines.

38. A blue flag by day and a blue light by night, placed at the end of a car or train denotes that car inspectors are at work under or about the car or train. The car or train thus protected must not be coupled to, or moved, until the blue

signal is removed by the car inspectors. When a car or train standing on a siding is pro tected by a blue signal, other cars must not be placed in front of it so that the blue signal will be obscured, without first notifying the car inspector, that he may protect himself, and not

#### WHISTLE SIGNALS.

39. One long blast of the whistle is the signal for approaching stations, railroad crossings and junctions thus, (---).

then until the signal is removed.

40. One short blast of the whistle is the signal to apply the brakes-stop (thus,-).

41. Two long blasts of the whistle is the signal to throw off the brakes (thus,-----).

42. Two short blasts of the whistle is an answer to any signal, except "train parted" (thus - -).

43. Three long blasts of the whistle (to be repeated until answered as provided in Bule No. 

44. Three short blasts of the whistle, when the train is standing (to be repeated until answered, as provided in Rule No. 61) is a signal that the train will back (thus, - --).

45. Four long blasts of the whistle) thus, -

----) is the signal to call in a flagman from the west.

Four long followed by one short blast of the to call in a flagman from the east.

46. Four short blasts of the whistle is the engineman's call for signals from switch-tenders. watchmen, trainmen and others (thus, -- -- -).

47. Five short blasts of the whistle is a signal to the flagman to go back and protect the rear of the train (thus, ----).

48. One long followed by two short blasts of the whistle is a signal to be given by trains on single track, when displaying signals for a following train, to call the attention of trains of the same or inferior class to the signals displayed (thus, ----).

49. Two long, followed by two short, blasts of the whistle is the signal for approaching road signal will also be used where the view is obstructed by curves in case of trains running ahead of time, night trains when behind time after daylight and extra trains, at least once every mile.

50. A succession of short blasts of the whistie is an alarm for persons or cattle on the track. and calls the attention of trainmen to danger

50-a. Two short blasts given three times is the signal for air brakes sticking. See air brake

#### BELL-CORD SIGNALS

Bell ened. 51. One tap of the signal bell, when the train is standing, is the signal to start.

52. Two taps of the signal-bell, when the train is running, is the signal to stop at once. 53. Two taps of the signal-bell, when the train

is standing, is the signal to call in the flagman. 54. Three taps of the signal-bell, when the train is running, is the signal to stop at the

next station. 55. Three taps of the signal-bell, when the train is standing, is the signal to back the train.

56. Four taps of the signal-bell, when the train is running, is the signal to reduce speed. 57. When one tap of the signal-bell is heard while a train is running, the engineman must

immediately ascertain if the train is parted, and, if so, be governed by Rule No. 103. 58. Signals of the same number of sounds

shall have the same significance when given by other appliances than bell-cords and signal-

#### LAMP SIGNALS.

59. A lamp swung across the track is the signal to stop.

60. A lamp raised and lowered vertically is the signal to move ahead.

31. A lamp swung vertically in a circle across the track, when the train is standing, is the signal to move back.

62. A lamp swung vertically in a circle at arm's length across the track, when the train is running, is the signal that the train has parted.

63. A flag, or the hand, moved in any of the directions given above, will indicate the same signal as given by a lamp.

#### FIXED SIGNALS.

Fixed Sig- 64. Fixed signals are placed at junctions, railroad crossings, stations, and other points that require special protection. Special instructions will be issued indicating their position and

#### RULES GOVERNING USE OF SIGNALS.

65. A signal imperfectly displayed, or the ab sence of a signal at a place where a signal is usually shown, must be regarded as a danger signal, and the fact reported to the Superintendent.

G6. The unnecessary use of the whistle is prohibited; when necessary in shifting at stations and in yards, the engine bell should be rung, and the whistle used only when required by rule or law, or when necessary to prevent accident. 67. The whistle must not be sounded while

passing a passenger train, except in cases of emergency or danger, or when required by the rules Acknowl. 68. When a danger signal (except a fixed signal) is displayed to stop a train, it must be acknowledged as provided in rule No. 42.

69. The engine-bell must be rung before starting a train, and when running through tunnels and the streets of towns or cities.

70. The engine bell must be rung for a quarter of a mile before reaching every road crossing at grade, and until it is passed; and the whistle must be sounded at all whistling-posts.

71. When two or more engines are coupled to the head of a train, the leading engine only shall display the signals as provided in Rules No. 26 and 37

72. One flag or light displayed as a classification signal will be regarded the same as if two were displayed; but conductors and enginemen will be held responsible for the proper display of all train signals.

73. When a train is being pushed by an engine (except when shifting and making-up trains in yards) a white light must be displayed on the front of the leading car at night, or when the train is obscured by fog or other cause.

Changing 74. When a train turns out to meet or pass tail lights, another train, the red lights must be removed and green displayed as soon as the track is clear: but the red must again be displayed before returning to its own track.

Covering Head-lights on engines when on side tracks or at the end of double tracks, waiting for trains, must be covered as soon as the track is clear and the train has stopped.

In case there is more than one train to take the siding, the engineman of the first train will not cover the headlight until all trains are on

the siding and the switch set for the main track. The main track will be considered obstructed while the headlight is shown, but this will not relieve conductors from protecting their trains by flag.

figures at 75. The combined green and white signal is to be used to stop a train only at the flag stations designated by the schedule of that train. When it is necessary to stop a train at a point that is not a fing station for that train, a red signal must be used.

76. White signals must be used by watchmen at public road and street crossings to prevent persons and teams from crossing when trains are approaching. Danger signals must be used only when necessary to stop trains.

77. Torpedoes must not be placed near stations or road crossings, where persons are liable to be injured by them.

78. All signals must be used strictly in accordance with the rules, and trainmen and enginemen must keep a constant lookout for signals.

#### TRAIN RULES. CLASSIFICATION OF TRAINS.

79. All trains are designated as regular or extra. Regular trains are those represented on the Time-table, and may consist of one or more sections. All sections of a train, except the last, must display signals as provided in Rule No. 36. Extra trains are those not represented on the Time-table. An engine without care, in service on the road, shall be considered a train.

80. All regular trains are classified on the Time-table with regard to their priority of right to the track; trains of the first-class being superior to those of the second, and all suc classes, and trains of the second class being superior to those of the third and all succeeding classes; and so on indefinitely. The terms passenger, freight or mixed are descriptive and do not refer to class.

Irregular 81. Extra trains may be distinguished as: Passenger Extra, or Special; Freight Extra:

Work Train Extra. Classifies. 82. All extra trains are of inferior class to all regular trains of whatever class.

#### MOVEMENT OF TRAINS. 83. A train of inferior class must in all

cases keep out of the way of a train of superior class. Direction 84. On single track, all trains in one direc-

tion, specified in Time-table, have the absolute right of track over trains of the same class running in the opposite direction.

85. When trains of the same class meet on single track, the train not having right of track must take the siding and be clear of the main track before the leaving time of the opposing train; but such train must not pass the switch to

back in on a siding, until after the arrival of the opposing train, unless otherwise directed by special instructions. When necessary to back in on the siding, before passing the switch, a flagman must be sent out in the direction of the opposing train as per Rule No. 99.

Character 86. When a train of inferior class meets a train of superior class on single track, the train of inferior class must take the siding and clear the train of superior class five minutes. A train of inferior class must keep five minutes off the time of a train of superior class following it.

87. A train must not leave a station to follow a passenger train until five minutes after departure of such passenger train, unless some form of block signal is used.

88. Passenger trains running in the same digection must keep not less than five minutes apart, unless some form of block signal is used.

80. Freight trains following each other must keep not less than five minutes apart (except in closing up at stations or at meeting and passing points) unless some form of block signal is used.

90. No train must leave a station expecting to meet or be passed at the next station by a train having the right of track, unless it has full schedule time to make the meeting or passing point, and clear the track by the time required by Bules Nos. 85 and 86.

1. A train not having right of track must be entirely clear of the main track by the time it is required by rule to clear an opposing train or a train running in the same direction; failing to do so, it must be immediately protected, as provided in Rule No. 99.

92. Except at meeting or passing points, as provided in Rules Nos. 85 to 91, inclusive, no train must arrive at a station in advance of its schedule arriving time, when shown. No train must leave a station in advance of its

schedule leaving time. 93. All trains must stop at schedule meeting or passing points on single track, if the train to be met or passed is of the same class, unless the switches are plainly seen to be right, and the

track clear. The point at which a train should

stop is the switch used by the train to be met

or passed in going on the siding. When the expected train of the same class is

not found at the schedule meeting or passing point, the train having right of track must approach all sidings prepared to stop, until the expected train is met or passed.

tions, rail. 94. All trains must approach the end of road double track, junctions, railroad crossings at double track, junctions, railroad crossings at erossings and drawbridges, prepared to stop, and bridges. must not proceed until the switches or signals are seen to be right, or the track is plainly seen to be clear. Where required by law, all trains must stop.

terminate. 95, No train must leave a Junction, a termi-

nal, or other starting point, or pass from double to single track, until it is ascertained that all trains due, which have the right of track against it, have arrived.

96. When a passenger train is detained at any of its usual stops more than five minutes, the flagman must go back with danger signals and protect his train, as provided in Rule No. 99; but if it stops at any unusual point, the flagman must immediately go back far enough to be seen from a train moving in the same direction when it is at least one-half mile (sixteen telegraph poles) from the rear of his own train, and if the ston is over five minutes, he must be governed by Rule No. 99.

When it is necessary to protect the front of the train, the same precautions must be observed by the fireman. If the fireman is unable to leave the engine, the front brakeman must be sent in his place.

97. When a freight train is detained at any of Protect- 97. When a freight train is detained at any of ingfreight its usual stops more than five minutes, where the rear of the train can be plainly seen from a train moving in the same direction at a distance of at least two-thirds of a mile (twenty telegraph poles), the flagman must go back with danger signals not less than one-eighth of a mile (four telegraph poles), and as much farther as may be neccessary to protect his train; but if the rear of his train cannot be plainly seen at a distance of at least two-thirds of a mile, or if it stops at any point that is not its usual stopping place, the flagman must go back not less than one-half mile, and if his train should be detained until within ten minutes of the time of a passenger train moving in the same direction, he must be governed by Rule No. 99.

> When it is necessary to protect the front of the train, the same precautions must be observed by the fireman. If the fireman is unable to leave the engine, the front brakeman must be sent in his place.

98. When it is necessary for the flagman to go back to protect the rear of his train, the next brakeman must immediately take the flagman's position on the train, and remain there until relieved by the flagman; and on passenger trains the baggage master must take the place of the front brakeman whenever necessary.

Plagging, 99. When a train is stopped to torpedess or obstruction, the flagman must immediately go 99. When a train is stopped by an accident back with danger signals to stop any train moving in the same direction. At a point one-fourth of a mile from the rear of his train he must place one torpedo on the rail; he must then continue to go back at least one-half mile from the rear of his train and place two torpedoes on the rail, ten yards apart (one rail length), when he may return to a point one fourth of a mile from the rear of his train, and he must remain there until recalled by the whistle of his engine; but if a passenger train is due within ten minutes, he must remain until it arrives. When he comes in, he will remove the torpedo nearest to the train, but the two torpedoes must be left on the rail as a caution signal to any following train.

If the accident or obstruction occurs upon single track, and it becomes necessary to protect the front of the train, or if any other track is obstructed, the fireman must go forward and use the same precautions. If the fireman is unable to leave the engine, the front brakeman must be sent in his place.

99a. When a flagman is recalled and there is not a clear view for a quarter of a mile (eight telegraph poles) in rear of train, the train must start immediately on sounding of the whistle recalling figman, and be moved ahead, at a speed of not less than six miles per hour, until it reaches a point where the track is straight for a quarter of a mile (eight telegraph poles) in its rear. A flagman must always bear in mind that the time of his return to his train is the time of greatest risk. Ho must be attentive, and should he see or hear a train approaching, he must remain and use every exertion to stop it in time to prevent accident. In foggy, stormy or snowy weather, or in vicinity of curves or descending grades, the number of torpedoes used should be

When a train is flagged the engineman must obtain a thorough explanation of the cause before proceeding—coming to a full stop and picking up flagman if necessary.

100. Freight trains having work to do on any other track may cross over if no passenger train is due, provided no approaching freight rain is in sight; and also provided that a flagman has been sent, with danger signals, as provided in Rule No. 99, not less than one-half mile (sixteen poles), in the direction of the expected train.

101. When a freight train on double track turns out on to the opposite track to allow a passenger train running in the same direction to pass, and, while waiting, a passenger train from the opposite direction arrives, the freight train may cross back and allow it to pass, provided the other passenger train is not in sight; and also provided that a flagman has been sent with danger signals, as provided in Eule No. 99; not less than one-half mile in the direction of the expected train.

102. When it is necessary for a freight train on double track to turn out on to the opposite track to allow a passenger train running in the same direction to pass, and a passenger train running in the opposite direction is due, a flagman must be sent back with the danger signals. as provided in Bule No. 99, not less than onehalf mile in the direction of the following train,

and the freight train must not cross over until one of the passenger trains arrives. Should the following passenger train arrive first, a flagman must be sent forward on the opposite track with danger signals, as provided in Rule No. 99, not less than one-half mile in the direction of the over-due passenger train before crossing over. Great caution must be used, and good judgment is required to prevent detention to either passenger train. The preference should always be given to the passenger train of superior class.

103. If a train should part while in motion, trainmen must use great care to prevent the detached parts from coming into collision. Enginemen must give the signal as provided in Rule No. 43, and keep the front part of the train in motion until the detached portion is stopped.

The front portion will have the right to go back regardless of all trains, to recover the detached portion, first sending a flagman with danger signals one-half mile in the directi in which the train is to be backed, and running with great caution, at a speed not exceeding four miles per hour. On single track all the precautions required by the Rules must also be taken to proteet the train against opposing trains. The detached portion must not be moved or passed around until the front portion comes back. This rule applies to trains of every class.

An exception will only be made to the above when it is known that the detached portion has teen stopped and when the whole occurrence is in plain view, no curves or other obstructions intervening, so that signals can be seen from both portions of the train. In that event the conduc. tor and enginemen may arrange for the re-coupling, using the greatest caution.

104. When a train is being pushed by an engine (except when shifting and making up trains in yards) a flagman must be stationed in a conspicuous position on the front of the leading car. so as to perceive the first sign of danger and immediately signal the engineman.

105. A train starting from a station or leaving a junction, when a train of the same class running in the same direction is overdue, will proceed on its own time and rights, and the over due train will run as provided in Rule 88 or 89.

106. A train which is delayed, and falls back on the time of another train of the same class, does not lose its rights.

107. Regular trains twelve hours or more behour rule, hind their schedule time lose all their rights.

108. A train overtaking another train of the same or superior class, disabled so that it cannot move, will run around it, assuming the rights and taking the orders of the disabled train to the next telegraph office which is open. where it will report to the Superintendent. The disabled train will assume the rights of the last

train passing it, till the next telegraph office is reached.

Orders in 109. All messages or orders respecting the movement of trains or the condition of track or bridges must be in writing.

for signal, 110. Trains must not display signals for a following train without an order from the Superintendent

111. Extra trains must not be run on single trac. without an order from the Superintendent.

112. When signals displayed for a following train on single track are taken down at any point before the following train arrives, the conductor must inform the Superintendent promptly by telegraph, and also the operator or switchtender and the latter, unless there is some other provision for the purpose, must notify all opposing trains of the same or inferior class leaving that point before the train arrives for which signals were displayed.

If signals are taken down at a point where there is no operator, switchtender, or other provision for the purpose, the conductor must notify all opposing trains of the same or inferior class until he reaches the next telegraph office, when he must inform the Superintendent; and the operator, unless there is some other provision for the purpose, must notify all opposing trains of the same or inferior class until directed otherwise by the Superintendent.

If the train for which signals were displayed leaves the main line at a point where there is no operator, switchtender, or other provision for the purpose, a flagman must be left to notify opposing trains that it has arrived.

113. Work trains will be run as extras under special orders, and will be assigned working limits

Approach- 114. Great care must be exercised by the trainmen of a train approaching a station where any train is receiving or discharging passengers. 113. Enginemen must observe trains on the

opposite track, and if they are running too closely together call attention to the fact. Riding on 116. No person will be permitted to ride on

engines, or in baggage, mail, or express cars, except employes, in the discharge of their duties, without a written order from the proper author-

Responsition 117. Conductors will be held responsible for builty for the proper adjustment of the switches used by them and their trainmen, except where switchtenders are stationed.

Whoever opens a switch shall remain at it until it is closed, unless relieved by some other competent employe.

When there is more than one train to use a switch it must not be left open unless one of the trainmen of the following train is at the switch and takes charge of it.

At meeting or passing points, the employe attending the switch, will, after locking it to track from the switch-stand, and romain there until the expected train has passed.

Except to prevent accident, switches must never be turned when an engine or car is on slide rail.

118. Accidents, detention of trains, failure in the supply of water or fuel, or defects in the track or bridges must be promptly reported by telegraph to the Superintendent.

119. No train shall leave a station without a Leaving signal from its conductor.

120. When two or more trains are run in com-Responsible pany, they must be kept five (5) minutes apart, except at meeting points, where they may close up to allow following sections to come in, but always with great care, and train under perfect control. At such points the responsibility for a collision rests with the following train. The following train must approach all Stations carefully expecting to find the leading train at the Station. When fog, darkness, dangerous places, or other circumstances, render it necessary, the forward train, as an extra precoaution. will send out a flagmen; but it must be distinctly understood that this does not relieve the following train from responsibility for a collision.

Conductors and enginemen will be held equally responsible for the violation of any of the rules governing the safety of their trains, and they must take every precaution for the protection of their trains, even if not provided for by the rules.

121. In all cases of doubt or uncertainsafe side. ty, take the safe course and run no risks.

#### SPECIAL RULES

Exclusive 200. Each person in the employ of the Company is to devote himself exclusively to its service, attending during the prescribed hours of the day or night, and residing wherever he may

Not to use 201. Unless appointed to do so, he is not to Company receive money on the Company's account. To use the credit of the Company is forbidden, unless special authority is given by the proper official.

202. Tiest timber, coal or other material (whether old or new), must not be taken for the use of employes or others.

203. All employes, especially those in places then, miss of trust, are required to report any misconduct eondwet or negligence affecting the interest or safety of the Company, and withholding such information, will be considered a proof of negligence or indifference, and treated accordingly.

Company 204. Employes leaving the Company's service must deliver up the property entrusted to their care, or at any time when demanded by proper authority.

205. Persons having control of men must manly de-manly de-never curse or abuse them. Boisterous, profane enjoined, or vulgar language is forbidden. Employes must not enter into altercation with any person, no matter what provocation may have been given, but will make note of the facts and report

to their immediate superiors. 206. Employes are forbidden to offer testimonials to their superiors either directly or inbridden directly, and those in authority will not accept such presents or testimonials. The acceptance of gratuities or rewards from passengers or other

patrons of the Company is forbidden. Drinking 207. The habitual use of Intexicating and smoking Drink by employes will be considered good prohibit cause for dismissal from the service. Smoking is not allowed about the shops, station buildings and warehouses. Employes at stations and on passenger trains are prohibited from smoking when on duty.

Not to en- 208. No employe will be permitted to engage other in other business, without the consent of the business. Head of the Department under whom he may be employed, approved by the General Manager. 209. No employe will be allowed to absent himself from duty, without permission from

proper authority. 210. A person discharged from one Department or Division, shall not be employed in another without the written consent of the General

Manager. 211. Every person, accepting a position with this Company, does so with the full knowledge of the dangers, incident to the operation of railways and agrees to exercise due care in the performance of his duties, to prevent accident to himself or others, and before using them to see that the machinery or tools which he is to use are in a safe condition to perform the services re-

quired. 212. Employes are not expected to incur any risk of injury which they can avoid by the exercise of judgment and care.

Warning. 213. Employes are warned not to catch on to the front or rear end of the engine as it approaches them, or to jump on or off trains or engines moving at a high rate of speed, or to get between cars in motion to uncouple them, or to follow other dangerous practices.

214. Employes are directed to report to the Superintendent any defects in tracks, machinery or appliances of the road, liable to cause ac-

Not to

215. Employes must not remove any of the appliances of the engine or cars, for the sake of convenience in switching, thereby endangering those who are required to make couplings. Drawheads, drawbars and coupling apparatus must be examined before coupling is made, and if there is anything dangerous, the coupling must not be made but the fact reported to er official.

216. Employes will not attempt to make a coupling if the car or engine is moving faster than a man ordinarily walks. In coupling the Miller hook with other styles of drawbars, first insert the link in the hook, using pin chained to the Miller platform.

Engineers 217. Enginemen must exercise great care in handling their engines while yardmen or others engines are making couplings, and give close attention to signals.

218. In case Freight trains, on which passengers are allowed to be carried, are run in sections, the last section of the train only will be permitted to carry passengers, except persons in charge of live stock and freight, and unless otherwise ordered, the last section will do the local work. When the last section is more than one hour behind the first, passengers may be carried on the first section upon special orders from the Superintendent.

Light en- 219. When a light engine or special train is gine to run as first sent over the road on the time of a regular train, ection. it shall be run as the first section.

220. Enginemen must not allow others to handle their engines, except their own firemen, handle their engines, except their own firemen, handle their own the engine man remaining upon the engine and engines. being responsible.

striking 221. Enginemen must use great care to avoid striking stock. If necessary, bring the train to a full stop. Should any stock be killed or injured, the engineman must report same on the prescribed forms.

222. Conductors and enginemen are required to fill up trains to the fall capacity of their engines.

223. In case trains under danger signals should meet between stations, the train nearest to a siding should be backed.

By running under danger signals it is understood to run at a rate not exceeding four (4) miles per hour with a flagman one half mile in advance at all points where there is not a clear view of the track for at least one mile.

Whenever it becomes necessary to back a train, it must be done with great care, under cover of danger signals, and keeping a man constantly on rear car.

Speed of 224. First-class trains when behind time must not exceed card time unless the condition of track, weather and all circumstances warrant their doing so with safety.

Other trains must not exceed the speed specifled in special rules on any portion of the road without a special order from the Superinten-

Conductors and enginemen are cautioned against reckless running. They must run steadily and uniformly, adhering as closely to time as due regard for safety will be allowed no discretion in the range er.

Accounts 225. Conductors, enginemen and agents billy for will be held to strict account for delays

enjoined in transacting business at stations, taking water, oiling, etc. Station work should be done immediately on arrival.

sulting from bad management of their own

or on the part of those for whom they are

Promptness and dispatch are urgently

responsible.

226. Conductors and switchmen must open ags, their trains to clear all public crossings while standing at stations and in no case block a public crossing longer than five (5) minutes. When passenger trains are at stations, care must be taken by freight conductors and switchmen to open their trains to allow passage way for persons going to and from the passenger train.

In no case must a train be backed over a public crossing or highway unless there is a man on rear car to see that crossing is clear; nor must a car be cut loose and allowed to run over a public crossing or highway unless there is a man on car. At night the man referred to must display a Storms. 227. In case of an extraordinary rain storm

or high water, trains must be brought to a stop and a man sent out to examine bridges, trestles, culverts and other points liable to damage, before passing over. Conductors will make careful inquiry at all

stopping places, and when thought advisable make extra stops to ascertain the extent and severity of storms, taking no risk. In case of doubt as to safety of proceeding, they will place their train upon the siding and remain there until certain it is safe to proceed. 228. When a conductor discovers anything

heave flag- wrong with the track, bridges or culverts, which would be likely to cause an accident to a following train, he must not rely wholly upon the telwith readway. egraph to notify other trains, but must leave a flagman.

Reports. 229. In making reports of accidents and unusual occurrences, the situation must be fully, clearly and precisely stated, with all relative facts and particulars necessary to a clear understanding of them, as known to the person making the report, without necessity for inquiries to extract such information. Exaggerations must be avoided,

In emergencies, or obstruction of the road by accident or other cause, suggestions based on observation of the actual situation are useful and required, and frequent reports of progress must be made.

In such cases prompt action is required of all employes and in the absence of designation the employe on whom the responsibility most naturally falls, will assume authority to direct the

Engineers and know that their blows menend

Care must 230. When cars leave the track, they must

not be turned over, thrown down embankments, broken up or otherwise damaged, merely to get them out of the way. Every effort must be made by trainmen to put them on the track with as little injury as possible, and take the damaged cars to a siding. The conductor will call on section men or any other convenient force, for assistance, which must be promptly rendered. 231. Conductors will see that the words

ad "Bad Order" are written with chalk on both sides of bad order cars left at stations, and defective part marked with a cross, and report same to

Superintendent by telegraph. Authority 232. Should an engine on a Passenger train be disabled on the road, the Conductor may take any Freight engine available.

233. Conductors will comply with instructions of Agents in placing cars and doing other station work. If necessary to move cars for loading or unloading; they must be replaced. In case Agents' orders are unreasonable, the facts must be reported to the Superintendent; but the Agents' orders must be carried out if practicable without endangering or delaying passenger trains. Agents will report violations of this rule, and all cases where Conductors refuse to take cars that are ready to go.

Care of 234. Conductors of trains carrying Live live stock. Stock will consult the wishes of the stockmen in matters pertaining to the care and comfort of the stock. Especial attention must be given to stock unaccompanied by drovers. In warm weather trainmen will water hogs as often as may be necessary.

235. The doors of empty cars hauled in trains must be kept closed. Trainmen will be held responsible for the proper care and protection of goods and property while in transit in their trains, and they must see that the doors of loaded cars are properly secured and protected as required.

236. Conductors and Enginemen are prohibited from going to meals, or delaying their train trains for any cause, after receiving an order to proceed, without permission from the Superintendent, If permission is received, the Conductor must report for further orders when ready to go.

237. Conductors and brakemen are required ters to be to be on duty at least thirty minutes in advance of their leaving time. Passenger brakemen will minutes, remain by their trains to assist passengers, examino tickets and answer inquiries.

238. A Brakeman must always be sta-Bear brakeman tioned on the rear car of every train; and must have in his possession a red flag by day, and red and white lanterns (lighted) by night; also six torpedoes ready for immediate use. Every engine must carry a similar equipment of signals for use by the Fireman. Conductors and Enginemen must know that their Brakemen and Firemen are conversant with and properly understand the application of rules relating to flagging of trains. Conductors of freight trains must see that their brakemen are on top of the train before reaching the whistling post approaching and passing stations. Brakemen must not apply brakes so tightly as to slide a wheel nor allow the brake to remain applied over three minutes while in motion, but in descending grades will use the brake of several cars to check and regulate the train and change brakes frequently. Sticks must not be used to turn the brake wheel in applying brakes.

239. Conductors must give particular attention to the safety and comfort of their passengers. Careful attention must be given to the Heating, Lighting and Ventilation of ears and the supply of water in the tanks. Brakemen and Train Porters will be required to assist ladies, children and infirm persons off and on the cars. Conductors will perform this duty themselves when necessary.
Shortly before reaching a station at which the

train stops, the brakemen and porters will pass junctions, through the train, except the sleeping cars, and announce distinctly, twice in each car, (with the doors closed) the name of the station they are approaching. At junction stations and crossings where trains leave in different directions, the Conductor of each train must cause to be announced distinctly in each passenger car, before starting, the direction in which the train is to go and the principal stations on the route. Upon leaving a station Conductors will cause the name of the next station at which the train will stop to be called inside of each car. If there are no Brakemen or Porters on the cars, this duty will devolve upon the Conductors.

240. Conductors will prevent any unnecessary noise about passenger trains, particularly at night, and not allow employes to enter or pass through sleeping or dining cars except when necessary in the discharge of their duties. While meals are being served in the dining cars, conductors, trainmen and news agents must, as far as possible, avoid passing through those cars and must remove their hats while in the cars. Conductors will not collect tickets or fare from passengers while at meals, except when it is necessary to do so, and will not permit news agents to carry their wares through the dining cars at meal time except under special circumstances. Care must be taken in switching and handling passenger cars, to disturb the occupants as little as possible.

241. Conductors will see that passengers are seated, and not permit them to ride on the platform. Freight train Conductors must allow platform, none but train crew to ride on freight cars.

242. Conductors will collect fare from all persons traveling without a ticket or pass, and will be allowed no discretion in the matter. Per-

sons entitled to free transporation will be furnished with passes upon application to the proper officials. Fares wrongfully collected will be refunded.

Preight trains will not carry passengers trains not except as designated in the Special Bules.
Trains so designated will carry employes with gers expected as passes and passengers when provided with provided. proper transportation as required by the rules. except as designated in the Special Rules.

Employes with passes may be carried on all freight trains between stations at which trains

Persons accompanying live stock (or other freight requiring man in charge), may be carried on the same train with the stock (or freight), when provided with proper transportation.

244. News Agents must not be allowed to discharge their duties unless equipped with the cap and badge designated for them to wear. Neatness in personal appearance is required.

Conductors will be held responsible for the good conduct of News Agents while on duty, and are authorized to prevent them acting in that capacity for insubordination, violation of rules, or any improper action, and will see that nothing improper is offered for sale, and should there be, they will suppress it and promptly report the facts to the Superintendent, News Agents must not be allowed to annoy passengers by urging their sales, leaving books and articles with them unsolicited, or in any other manner.

245. Conductors must look out for confidence men, monte players, prize package vengars, etc. ders, and other swindlers, and when known to be on the train must have them watched, and personally warn passengers and otherwise prevent their operating on the train, and report case by wire to the Superintendent. They must not permit beggars, gamblers, or unauthorized peddlers to practice their vocations on the train, or allow advertising matter to be distributed.

246. Conductors and Enginemen will carebulletins. fully inspect Bulletin Boards before starting from Terminal Stations.

247. Conductors of all trains must enter in train register book at terminal stations, or wherever such books are kept, the time of arrival and departure of their trains and all information called for by same.

Identification of other by special order will fill up and exchange 248. Conductors of trains when meeting each identification tickets, showing number of train and number of engine.

> TRAIN IDENTIFICATION TICKET. This train is ........ Section, Train No...... Engine No... Carrying .....Signals. From ...... \$0.......Station,

249. Trains must be made up in the following order. Freight cars, if any, next to the engine; then fruit, mail, express, baggage, smoking, Second-class coaches, First-class coaches,

Chair and Sleeping cars, except that cars equipped with Miller, Janey, or other similar Coupler and Air Brake, must be hauled in forward part of freight trains; cars not equipped with Air Brakes or Air Pipes and connections, must be placed in rear of Air Brake cars.

Passenger cars having Baker heaters must be run with heater to the front when practicable.

switch to 250. Switches, when not in actual use, must be set for the main track and locked. Agents grack and are responsible for the proper position and security of switches at their stations, and must know personally, at least ten minutes before the regular trains are due, and before leaving their stations at night, that switches are secure and everything is right for safe passage of trains.

> 251. Agents must not allow cars to stand on main track for loading or any other purpose without special permission from the Superintendent in each case. He must know that cars on siding properly clear main track, that brakes are applied, and wheels blocked when necessary.

Doors and other openings of cars to be fastened. 252. Agents will see that the doors and other openings of loaded cars are closed and securely fastened before being placed in trains, and that the doors of cars loaded with powder, oil, hay, straw, or other inflammable material, are battened, and placed in train near the caboose or at least ten cars distant from the engine, as a protection against fire. Conductors and Agents must examine the fastenings of cars, and keep such a record of their condition as will enable them to answer all inquiries. All doors of loaded cars must be sealed, and those not provided with locks or other secure fastenings, must be cleated so that the door of every loaded car will be properly secured.

253. Sending personal packages or letters on private business by trains, is strictly prohibon trains ited. Communications by trains must be exclusively on official business.

of build

254. Agents are required to make daily inspections of yards, platforms, offices, buildings and surroundings, and will co operate with Supervisors and Roadmasters in maintaining the neat and tidy appearance of same.

255. Cars containining time freight will (in addition to notation on way-bills) be designated by cards in the following form, tacked on doors on each side of car:

TIME FREIGHT.

Car Initial.....No....For.......Station. From.......Station.......188.. This car must have quick dispatch and preference over other cars not likewise carded.

If for any cause the car has to be set out, conductors will telegraph Superintendent and state reason for same.

N. B .- This card must be detached by rece. ing agent, endorsed on back with required infor-

mation, and sent by first passenger train to the General Freight Agent.

ENDORSEMENT ON BACK. Car received at......Station, in Train No. ....on the....day of............188.

.....Agent. These cards must be removed by receiving agents properly filled out and forwarded as directed.

Reporting 256. Agents, operators, bridge and section men will advise the Superintendent promptly as to severity of storms and extent of damage. and also notify trainmen.

> 257. No person will be permitted to engage in train service without first passing the prescribed examination on these rules.

TRACKMEN, BRIDGEMEN, WORK-TRAINMEN, AND WATCHMEN.

258. All persons engaged in track or bridge work shall keep sharp look out for trains from either direction, and shall not assume that a train may not come for any certain time; nor act on the assurance of any person to that effect; and will protect themselves at all times with proper signals, as per Rule 99.

They must bear in mind that under the telegraph system a train may be expected at any moment.

Responsibility of safety of track, good condition of road bed, fences. Masters, right of way, and grounds, and neat and tidy appearance of stations, buildings and surroundings. They will frequently examine bridges, culverts, water stations and other structures, and promptly report any defects or failure to Superintendent and Supervisor.

Bridge Su- 260. Supervisors are responsible for the pervisors, safety and good condition of bridges, culverts, buildings and other structures. They will cooperate with Roadmasters in protecting the interests of the Company in all respects.

261. Supervisors, Roadmasters, and ethers employing Foremen, will be held responsible for the proper understanding of these rules by their foremen,

Keep sup. 262. Foremen must know that their gangs h are always supplied with the proper signals and thoroughly instructed as to their use, and they will be held responsible for the strict observance of these rules by their men.

263. At all times when work is going on which renders the track unsafe for trains to pass at their usual rate of speed, proper signals must be sent out at least one quarter a mile from the spot, in each direction, as a caution to approaching trains. After or during severe storms, or a thaw, a man must be sent over the road before the passage of regular trains for the purpose of ascertaining if track is safe.

264. Before a rail or frog is taken out, or any obstruction caused to the main track, or when any break or obstruction is discovered, the signal of danger must be sent out in both directions at least one-half mile from the point of danger, and a faithful man must remain and keep it displayed until he is recalled by the foreman, which must not be done until the track is known to be

265. A red light or flag, when used as a danger signal, must be in the hands of a reliable man.

266. Foremen and men in their employ. of trains, must at all times hold themselves in readiness to aid the passage of trains; and in case of accident or delay, will obey the orders of the conductors.

Examine 267. Section foremen must pass over and examine their sections daily, and ascertain that the track, slopes, cuts, bridges, switches, etc., are safe, and make necessary repairs. This should be done in the morning.

To be out 268. In case of extraordinary storms or high in stormy water, foremen must be out with their men (day and night) with proper signals, and watch those places most liable to damage, and take every

precaution to prevent accident. 269. No wood, timber, freight, or material of

clearance. any kind will be allowed within six feet of the main track. The exact location of elevators, ware-houses, coal yards, lumber yards or wood vards, for outside parties, will be fixed by the Division Engineer, but shall not in any case be less than fifty feet from the center line of a main track, nor at a less distance that five and one half feet from nearest raff in side track to nearest part of building, nor less than one hundred and fifty feet from any of the Company's buildings. In no event will any such structure be located on any main or passing track or on the lead of any track. Rocks, trees, or other obstructions liable to fall on the track, must be immediately removed.

Put out 270. It is the duty of all employes to put out fires set by engines, or otherwise, and to guard the property of others as well as that of the Company, exposed to such fires, whether responsibility attaches to the Company or not.

271. Track and bridgemen will pay particu-Repair 271. Track and bridgemen will pay particu-telegraph lar attention to the telegraph line. In case the lines. wires are found broken or on the ground, crossed or in any way obstructed, they must be repaired in a temporary manner immediately, and where such repairs are impracticable, notice must be given by telegraph, messenger or the earliest means practicable.

Look after 272. Foremen must look after water stations, and will see that the water supply is kept up, and keep and promptly report any failure or defect, and also see that fences and cattle guards are in good repair. A break in a fence should not be overlooked, andwhen it cannot be repaired for want of materials, the foreman will give the roadmaster

immediate notice of it, stating what material is required. When fences are taken down for any purpose, they must be immediately replaced.

273. Hand cars or other property of the Company must not be used except on the business of the Company.

see that 274. Foremen and others employing watchmen, must see that they understand and attend attend to their duties.

275. Watchmen will be required to report fruies, promptly any accident or risk of accident, or occurrences not consistent with safety or good

276. When day and night watchmen are employed, they must not leave their posts until re-Heved

277. When the time of watchmen is not wholly occupied with watching, they-will perwhen not form such other duties as may be required of engaged watching, them.

Go over

278. The rounds of road watchmen or track walkers must be so arranged as to pass over their section in advance of passenger trains when practicable. They will carefully examine the roadway, keeping a sharp lookout for broken rails; observe switches, try locks, and see that they are in proper order; see that cars clear the main track: examine buildings and other property, and protect same from theft, fire, or other damage. Should an obstruction or anything ocour that would be liable to endanger trains, they will at once display danger signals, as directed in the Rules, and send word to their foreman and to the nearest telegraph office.

279. Bridge and snow-shed watchmen must pass over their beats immediately after the passage of trains, keeping sharp lookout for fire. They are responsible for the cleanliness about structures, and must remove combustible matter from their vicinity, make frequent examinations and report any decay or failure; they will allow no one but employes upon bridges or

#### RULES FOR THE MOVEMENT OF TRAINS BY TELEGRAPHIC ORDERS.

500. Special orders, directing movements varying from or additional to the Time-table. will be issued by the authority and over the signature of the Superintendent. They are not to be used for movements that can be provided for by rule or time-table. They must not contain information or instructions not essentially a part of them.

They must be brief and clear, and the prescribed forms must be used when applicable; and there must be no erasures, alterations or interlineations.

Transfers of orders from one Dispatcher to another shall be in writing in the train order book. dated and timed, with complete list of unexpired orders; or if done by telegraph the above shall be transmitted; an understanding returned and complete given, before the authority is exercised by another person.

Duplicate 501. Each order must be given in the same words to all persons or trains directly affected by it, so that each shall have a duplicate of what is given to the others. Preferably an order should include but one specified movement.

502. Orders will be numbered consecutively for each day as issued, beginning with No. 1 at midnight.

To whom 503. Orders must be addressed to those who are to execute them, naming the place at which each is to receive his copy. Those for a train must be addressed to the Conductor and Engineman, and also to a person acting as pilot. A copy for each person addressed must be supplied by the operator.

Disputer 504. Each order must be written in full in a ers record book provided for the purpose at the Chief Dispatcher's office; and with it must be recorded the names of train men and others who have signed for the order; the time and signals, showing when and from what offices the order and responses were transmitted; and the train Dispatcher's initials. These records must be made at once on the original copy, and not afterward, from memory or memoranda.

Definition 503. The terms "superior right" and "inferior right" in these rules, refer to the rights of trains under the Time-table and Train Rules and not to rights under Special Orders.

Use of sig. 506. When an order is to be transmitted, the signal "31," (as provided in Rule 609) or the signal "19," (as provided in Bule 514) meaning "Train Order," will be given to each office addressed, followed by the word "copy," and a figure indicating the number of copies to be made, if more or less than three—thus, "31 copy 5," or "19 copy 5."

Simultan- 507. An order to be sent to two or more oftransmis- fices must be transmitted simultaneously to as many as practicable. The several addresses must be in the order of superiority of rights of trains, and each office will take only its proper address. When not sent simultaneously to all. the order must be sent first for the train having the superior right of track.

Manifold 508. Operators receiving orders must write them out in manifold during the transmission and make the requisite number of copies at one writing, or trace others from one of the copies first made.

509. When an order has been transmitted, preceded by the signal "31," operators receiving it must (unless otherwise directed) repeat it back at once from the manifold copy, and in the succession in which their several offices have been addressed. Each operator repeating must ob-

serve whether the others repeat correctly. After the order has been repeated correctly by the operators required at the time to repeat it, the response "OK," authorized by the train dispatcher, will be sent, simultaneously to as many as practicable, naming each office. Each operator must write this on the order with the time, and then reply "HOK," with his office signal.

Those to whom the order is addressed, except enginemen, must then sign their names to the copy of the order to be retained by the operator, and he will send their signatures to the Superintendent. The response "complete," with the Superintendent's initials, will then be given, when authorized by the train dispatcher. Each operator receiving this response will then write on each copy the word "complete," the time, and his last name in full; and will then deliver a copy to each person included in the address, except enginemen and each must read his copy aloud to the operator. The copy for each engineman must be de livered to him personally by the conductor, and the engineman must read it aloud in the pres-ence of the conductor, and understand it before acting upon it.

Correct to 510. For an order preceded by the signal "31," "complete" must not be given to the order for delivery to a train of inferior right until "O K" has been given to and acknowledged by the operator who receives the order for the train of superior right. Whenever practicable, the signature of the conductor of the train of superfor right must be taken to the order and "complete" given before the train of inferior right is allowed to act on it.

freated as After "OK" has been given and acknowledged holding and before "complete" has been given, the order must be treated as a holding order for the train addressed, but must not be otherwise acted on until "complete" has been given.

If the line fails before an office has revoid if the line falls below to K" to an order preceded by the signal "31" the order at that office is of no effect, and must be there treated as if it had not been sent.

511. When an order has been transmitted preceded by the signal "19," operators receiving it must (unless otherwise directed) repeat it back at once from the manifold copy, and in the succession in which the several offices have been addressed. Each operator repeating must observe whether the others repeat correctly. After the order has been repeated correctly, the response "complete," with the Superintendent's initials. will be given, when authorized by the train dispatcher. Each operator receiving this response must write on each copy the word "complete," the time, and his last name in full, and reply "i i complete" with his office signal, and will personally deliver the order to the persons addressed without taking their signatures.

512. For an order preceded by the signal '19," "complete" must be given and acknowledged for the train of superior right before it is given for the train of inferior right.

If the line fails before an office has received and acknowledged the "complete" to an order, preceded by the signal "19," the order at that office is of no effect, and must be treated as if it had not been sent.

Preceded 513. The order, the "O.K." and the "com-by signal plete" must each, in transmitting, be preceded by "31," or "19," as the case may be, and the number of the order, thus, "31" No. 10," or "19, No. 10," In transmitting the signature of a conductor it must be preceded by "31," the number of the order, and the train number, thus, "31, No. 10, Train No. 5." After each transmission and response the sending operator must give his office signal.

Operators 514. The operator who receives and delivers an order must preserve the lowest copy. On this must appear the signatures of those who sign for the order, and on it he must record the time when he receives it; the responses; the time when they are received; his own name; the date; and the train number, for which places are provided in the blanks. These copies must be sent to the Superintendent daily.

515. Orders used by conductors must be sent tere' copy. by them daily to the Superintendent. 516. Enginemen will place their orders in the clip before them until executed.

517. For orders delivered at the Dispatcher's office the requirements as to record and delivery will be the same as at other points.

518. Orders to persons in charge of work requiring the use of track in yards or at other points, authorizing such use when trains are late, must be delivered in the same way as to conductors of trains.

Non-tele- 519. An order to be delivered to a train at a graph of- point not a telegraph station, or while the office is closed, must be addressed to

... C. and E., No. -- at ---), care of ----, and forwarded and delivered by the conductor or other person in whose care it is addressed. "Complete" will be given upon the signature of the person by whom the order is to be delivered, who must be supplied with copies for the conductor and engineman addressed, and a copy upon which he shall take their signatures. This copy he must deliver to the first operator accessible, who must preserve it, and at once advise the train dispatcher of its having been received.

Orders so delivered to a train must be compared by those receiving them with the copy held by the person delivering and acted on as if "complete" had been given in the ordinary way.

Orders must not be sent in the manner herein provided, to trains the rights of which are thereby restricted.

Bach ses- 520. In moving trains by Special Order, tion con-cidered each section shall be considered as a separate separate and distinct train, and designated by its proper section and train number, and shall receive and run only under Special Orders addressed to its own Conductor and Engineman.

Orders to 521. Meeting orders must not be sent for de-meeting livery to trains at the meeting point if it can be avoided. When it cannot be avoided, special precautions must be taken by the train dispatchers and operators to insure safety.

There should be, if possible, at least one telegraph office between those at which opposing trains receive meeting orders.

Orders should not be sent an unnecessarily long time before delivery, or to points unnecessarily distant from where they are to be executed. No orders (except those affecting the train at that point), should be delivered to a freight train at a station where it has much work, until after the work is done. 522 A train, or any section of a train, must

be governed strictly by the terms of orders addressed to it and must not assume rights not conferred by such orders. In all other respects it must be governed by the Train Rules and Time-

523. Orders once in effect continue so until fulfilled, superseded or annulled. Orders held by or issued for a regular train which has lost its rights, as provided by Rule 107, are annulled and other trains will be governed accordingly.

Telegraph 524. A fixed signal must be used at each station train-order office which train-order office which shall display red when trains are to be stopped for orders. When there are no orders the signal must display white.

When an operator receives the signal "31," or "19," he must immediately display red, and then reply "red displayed." The signal must not be changed to white until the object for which red is displayed is accomplished.

Clearance While red is displayed all trains must come to a full stop, and any train thus stopped must not proceed without receiving an order addressed to such train, or a clearance card on form specified below, stating over the operator's signature that he has no orders for it. The issue of clearance cards must be authorized by Dispatchers in all cases, except, that when lines are not working, they may be issued without such authority. CLEARANCE CARD.

Dover, 9:15 A. M., March 25, 1887 Cenductor and Engineman No. 12

I have no orders for your train. Signal is out for No. 16. John Jones.

This does not interfere with or countermand any orders you may have received.

Conductor MURE SEE that the number of RIS TRAIN is entered in the above form correctly, Conductor and Engineman must each have a copy.

Operators must be prepared with other signals

to use promptly if the fixed signal should fail to work properly.

When a semaphore is used, the arm means red when horizontal and white when in an inclined position.

Conductors and Enginemen of all trains shall signal lamps not look for the Signal at each office, know positiveburning. ly what it indicates, and be governed accordingly. In case of neither signal being displayed, or at night a signal lamp or lantern in position but not burning, they shall consider the same as a signal for orders and not pass the station without orders or a Clearance. Such cases of absence of signal must be at once reported to the Superintendent.

Call day If a train is held at night at a station where there is no night Operator, the Conductor will call the day Operator to get orders for him.

Every case of running by or non-observance of by signals. signal, must be at once reported to the Superintendent with number of train and engine, and other information necessary to place the responaibility.

The train Order Signal Lamps must be lighted just before dark and kept burning until clear day-light in readiness for instant use.

On sight of a Signal for Orders, Conductors must go at once to the office to receive and respond to them.

525. Operators will promptly record and report to the dispatcher the time of departure of all trains and the direction in which extra trains are moving. They will record the time of arrival of trains and report it when so directed.

Register- Freight Conductors will fill out Registering Tickets in the following form, leaving one at every telegraph station where there is no train register, being particular to state if earrying signals or not.

TRAIN REGISTERING TICKET. .Section, Train No..... Engine No..... ...Empties. Carrying..... .. Signals, ......To.....

....18 .... Norg.-Freight Conductors will fill out and leave one of these tickets at each tolegraph station, as required by Rule 525. Operators will forward such tickets to Superintendent

Designa-tion of trains. 526. Regular trains will be designated in orders by their schedule numbers, as "No. 10," or "2d No. 10;" extra trains by engine numbers, as "Extra 798;" and all other numbers by figures. The direction of the movement of extras will be added when necessary, as "East" or "West." Time will be stated in figures only.

Signs and 527. The following signs and abbreviations

Abbrevia may be used:

Initials for Superintendent's signature. Such office and other signals as are arranged by the Superintendent.

C & E-for Conductor and Engineman.

O K-as provided in these rules. Min-for Minutes. June-for Junction Frt-for Freight. No-for Number Eng-for Engine.

Sec-for Section. Opr-for Operator.

9-to clear the line for Train Orders, and for Operators to ask for train orders.

31 or 19—for Train Order as provided in the rules.

The usual abbreviations for the name of the months and stations.

#### FORMS OF TRAIN ORDERS.

Form A.—Fixing Meeting Points for Opposing Trains. ----and-----will meet at----

#### EXAMPLES.

No. 1 and No. 2 will meet at Bombay, No. 3 and 2nd No. 4 will meet at Siam.

No. 5 and extra 95 will meet at Hong Kong.

Extra 652 East and Extra 231 West will meet at Yokohama.

Trains receiving this order wilf, with respect to each other, run to the designated point, and having arrived there will pass in the manner provided by the rules.

Form B.—Authorizing a train to Run Ahead of or Pass Another Train Running in the Same Direction.

(1) ——will pass——at—— (2) -- will run ahead of ----, from----

(1)—No. 1 will pass No. 3 at Khartoum.

(2)-No. 4 will run ahead of No. 6 from Bengal

When under this order a train is to pass another, both trains will run according to rule to the designated point and there arrange for the rear train to pass promptly.

Form C.—Giving a Train of Inferior Right the Right of Track Against an Opposing Train of Superior Right,

[Note.—This form of order must not be used when Form A can be used.]

has the right of track against —

(1.)—No. 2. has right of track against No. 1 Mecca to Mirbat.

(2,)—Extra 37 has right of track against No. 3 Natal to Ratlam.

[Note,-The terms "superior right" and "inferior right," here and elsewhere in these rules, refer to the rights of trains under the time-table and train rules, and not to rights under

This order gives a train of inferior right the right of track against one of superior right, to a designated point.

If the trains meet at the designated point, the

train of inferior right must take the siding, unless the rules or orders otherwise indicate.

Under this order, as illustrated by example (1) if the train of superior right reaches the designated point before the other arrives, it may proceed, provided it keeps clear of the schedule time of the train of inferior right as many minutes as the inferior train was before required by the train rules to keep clear of the superior train.

If the train of superior right, before meeting, reaches a point beyond that named in the order, the conductor must stop the other train where it is met and inform it of his arrival.

Under example (2) the train of superior right cannot go beyond the designated point until the extra train arrives.

When the train of inferior right has reached the designated point, the order is fulfilled, and the train must then be governed by time-table and train rules or further orders.

The following modification of this form of order will be applicable for giving a work train the right of track over all other trains, in case of a wreck or break in the track.

#### WXAMPLE.

Work Train extra 275 has right of track over all trains between Stockholm and Edinburgh (from (----.)

This gives the work train the exclusive right of the track between the points designated.

Form D.-Giving all Regular Trains the Right of Track Over a Given Train. All regular trains have right of track against

#### EXAMPLE.

\_\_\_\_ between \_\_\_\_ and \_\_\_\_.

All regular trains have right of track against No. 1 between Moscow and Berlin.

This order gives to any regular train of inferior right receiving it the right of track over the train named in the order, and the latter must clear the schedule times of all regular trains, the same as if it were an extra.

#### · Form E,-Time Orders,

[Norm.—This form of order must not be used when Form A ean be used.1

(1.) — will run — late from — to

(2.) — will wait at — until — for

#### EXAMPLES.

(1.) No. 1 will run 20 min, late from Joppa to Mainz.

(2.) No. 1 will wait at Muscat until 10 a.m. for No. 2.

Form (1) makes the schedule time of the train named, between the points mentioned, as much later as the time stated in the order, and any other train receiving the order is required to run

with respect to this latter time, the same as before required to run with respect to the regular schedule time. The time in the order should be such as can be easily added to the schedule

Under Form (2) the train of superior right must not pass the designated point before the time given, unless the other train has arrived. The train of inferior right is required to run with respect to the time specified, the same as before required to run with respect to the regular schedule time of the train of superior right.

Form F. - For Sections of Regular Trains.

——will carry signals —— to —— for—— EXAMPLES.

No. 1 will carry signals Astrakhan to Cabul. for Eng. 85. 2nd No. 1 will carry signals London to Dover

for Eng. 90. This may be modified as follows:

Engines 70, 85 and 90 will run as 1st, 2d and 3d sections of No. 1 London to Dover.

For annulling a section: Eng. 85 is annulled as second section of No. 1 from Dover.

If there are other sections following add:

Following sections will change numbers accordingly.

The character of train for which signals are carried may be stated. Each section affected by the order must have copies, and must arrange signals accordingly.

Form G.-For arranging a Schedule for a Special train. Eng. — will run as special — train, leaving

--- on ---- on the following schedule, and will have the right of track over all trains. Leave -----

edisting.

Arrive ----

#### EXAMPLE.

1. Eng. 77 will run as special passenger train leaving Turin on Thursday, Feb. 17th, on the following schedule, and will have the right of track over all trains. or ottack :

office of the

Leave Turin 11.30 p.m. Pekin 12.25 a.m.

Canton 1.47 a.m.

Arrive Rome 2.22 a.m.

Example 1 may be varied by specifying particular trains over which the special shall or shall not have right of track, and any train over which the special train is thus given the right of track must clear its time as many minutes as such train is required to clear the schedule time of a first-class train.

2. Eng. 75 will run as special passenger train, leaving Geneva Thursday, Feb. 17th, with the rights of a first class train east on the following schedule, which is a supplement to Time-table Leave Geneva 10 a. m. Pekin 10:30 a. m., passing No. 12. Canton 11 a. m., meeting No. 7. Arrive Athens 11:30 a.m.

Example 2 will be in each case a temporary supplement to the current Time-table, and the designation of meeting and passing points is to be taken as the same as such designation by full faced type on the Time-table, and the rules are to govern in the same way.

#### Form H-Extra Trains, — will run extra from — to —

#### EXAMPLE.

(a.) Eng. 99 will run extra from Berber to Gaza. A train receiving an order to run extra is not required to guard against opposing extras, unless directed by order to do so, but must keep clear of all regular trains as required by rule.

A "work train" is an extra, for which the above form will be used for a direct run in one direction. The authority to occupy a specified portion of the track, as an extra while working, will be given in the following form:

(b.) Eng. 292 will work as an extra from 7 a.m. until 6 p. m. between Berne and Turin.

The working limits should be as short as practicable to be changed as the progress of the work-may require. The above may be combined,

(c.) Eng. 29% will run extra from Berne to Turin and work as an extra from 7 a. m. until 6 p. m. between Turin and Rome.

When an order has been given to " work" between designated points, no other extra must be authorized to run over that part of the track without provision for passing the work train.

When it is anticipated that a work train may be where it cannot be reached for meeting or passing orders, it may be directed to report for orders at a given time and place, or an order may be given that it shall clear the track for a designated extra, in the following form:

(d.) Work Train 292 will keep clear of Extra 223, East, between Antwerp and Brussels after 2 10 p. m.

In this case, extra 223 must not pass either of the points named before 2 10 p. m., at which time the work train must be out of the way between those points.

When the movement of an extra train over the working limits cannot be anticipated by these or other orders to the work train, an order must be given to such extra, to protect itself against the work train, in the following form:

(e) Extra 76 will protect itself against work train extra 95 between Lyons and Paris. This may be added to the order to run extra.

A work train when met or overtaken by an extra must allow it to pass without unnecessary detention.

When the conditions are such that it may be considered desirable to require that work trains shall at all times protect themselves while on working limits, this may be done under the following arrangements. To example (b) add the following words

(f.) protecting itself against all trains. A train receiving this order must, whether standing or moving, protect itself within the working limits (and in both directions on single o 10 few track) against all trains, in the manner provided

ogost in Rule 99. When an extra receives orders to run over working limits it must be advised that the work train is within those limits by adding to example (a) the words

(g.) Eng. 292 is working as an extra between Berne and Turin.

A train receiving this order must run expecting to find the work train within the limits named. Form J. Holding Order.

Hold ---EXAMPLES.

(1.) Hold No. 2.

(2.) Hold all trains east. As any order for which "O. K." has been given and acknowledged operates as a holding order for the train to which it is addressed, this form will only be used in special cases, to hold trains until orders can be given or for some other emergency. The reason for holding may be added, as "for orders."

This order is not to be used for holding a train, while orders are given to other trains against it, which are not at the same time given to it in duplicate. It must be respected by conductors and enginemen of trains thereby directed to be held as if addressed to them. Conductors when informed of the order must sign for it, and their signatures must be sent and "complete" obtained.

When a train has been so held it must not go until the order to hold is annulled, or an order is given in the form : .....

" may go."

This must be addressed to the person or persons to whom the order to hold was addressed and must be delivered in the same manner. Form K.—Annulling a Schedule Train,

### of \_\_\_\_ is annulled.

#### EXAMPLES.

(1.) No. 1 of Feb. 29th is annulled. (2.) No. 3 due to leave Naples Saturday, Feb.

28th, is annulled. Adding "from Alaska" or "between Alaska and

Halifax," when appropriate. This order takes away all rights of the train annulled and authorizes any train or person receiving it to use the track as if the train annulled

were not on the time-table. If a train is annulled to a point named, its rights beyond that point remain unaffected.

The train dispatcher may direct any operator to omit repeating back an order annulling a train until he has occasion to deliver it.

When a train has been annulled it must not be again restored under its original number by special order.

Form L.—Annulling or Superseding an Order.

"Order No. --- is annulled."

This will be numbered, transmitted and signed for as other orders.

If an order which is to be annulled has not been delivered to a train, the annulling order will be addressed to the operator, who will destroy all copies of the order annulled but his own, and write on that:

Annulled by Order No. ----. An order superseding anothe may be given, adding "this supersedes order No. ---," or adding "instead of -."

EXAMPLE,

No. 1 and No. 2 will meet at Sparta, instead of at Thebes. An order which includes more than one speci-

fied movement must not be superseded, An order that has been annulled or superseded must not be again restored by special order un-

der its original number. In the address of an order annulling or superseding another order, the train first named must be that to which rights were given by the order annulled or superseded, and when the lorder is not transmitted simultaneously to all concerned it must be sent to the point at which that train is to receive it and the required response first given, before the order is sent for other trains.

### CONCERNING AIR-BRAKES.

1. In making up trains, all couplings must be united so that the brakes will apply throughout the whole train. The cocks in the brakepipe must all be opened (handles pointed down), except that on the rear of the last car, where hose coupling must be coupled to dummy coupling and cock closed (handle up).

In detaching engines or cars, the couplings must invariably be parted by hand (and not pulled apart); the cocks in the main brake-pipes must always be closed before separating the couplings, to prevent application of the brakes. Before detaching the engine or any cars, the brakes must be fully released on the whole train.

In moving cars when air brakes are not being used, hose couplings must be coupled to dummy couplings. 2. For the automatic brake the handle of the

four-way-cock must be turned horizontally; if turned down, it will be changed to the simple air-brake; if turned midway between these two positions, it will cut the brake out, and should be so turned when desirable to have the brakes out of use on any particular car.

3. Car inspectors will, in cold weather, frequently drain triple valve, and see that brake cylinders are cleaned and oiled at least once in three menths, and oftener if necessary, and date of same marked on cylinder with chalk. Conductor's valve must be kept tight and must be examined by car inspectors.

4. If the brakes are applied, when the engine is not attached to the train, or car, they can be released by opening the release cock.

5. All trainmen are required to familiarize themselves with the method of operating the airbrake, particularly as to releasing them when brakes stick, or are applied by bursting of pipe, hose, or otherwise, causing accidental stoppage of train.

Enginemen upon finding that the brakes have been applied, must at once aid in stopping the train by turning the handle of the brake valve toward the right so as to maintain the pressure in main reservoir; if the gauge shows that all the air has escaped, they will know that the pipe or hose has burst or that the Conductor's valve has been opened and held open. If pressure is only reduced sufficiently to apply brakes, and reduction then ceases, he will know that Conductor's valve has been opened long enough to cause stoppage of train and then closed. In this case he can easily release the brake in the usual way, on receiving signal from the Conductor.

6. The conductor's valve must only be used in cases of emergency, when it should be held open to allow air to escape, until train is brought to a stand.

7. When brakes have been applied in such a manner that they can not be released from the engine, the Engineman should warn the trainmen by two short blasts of whistle, given three times (see Rule 50 a) and upon stoppage of train the rear brakeman will immediately go back the proper distance to protect the rear of the train, without attempting to release any brakes.

The Jonductor, after seeing that the rear of train has been protected, will release as many brakes as he can, beginning at the rear. The Fireman will release as many as he can, beginning at the tender. The Head Brakeman will begin about one-third the distance from the engine and release brakes toward the rear of the train until he meets the Conductor. As soon as the brakes are released the train may proceed, depending upon hand brakes in case of failure of air. All the brakes on an average train can be released in about one minute if each employe attends to his duties as designated herein.

8. When the train is brought to a full stop, it is the duty of brakemen to examine each car to see that every brake is released. If a brake is found applied which the Engineman cannot release from the engine, it may be cut out, as per Bule 2. Brake on rear car in train should not be cut out when possible to avoid it.

9. In setting out cars, the air should be fully released and hand-brakes used.

10. Enginemen will be held responsible for the proper workings of the air-brake, and must report on arrival at terminal stations any failure or defect, and must know that they are in perfect working order before starting out on their runs.

The Air-Brake must be tested by applying and releasing the brake from the engine before starting from terminal stations, and at all other places where engine or cars have been detached or hose Couplings separated. Brakemen will carefully watch such tests and report any failure.

11. Brakemen will carefully watch the action of brakes at all stops, and report sliding of wheels (if any) to Engineman who must govern himself accordingly.

12. The pump must be constantly run, but not faster than is necessary to maintain 70 pounds pressure for passenger, and 60 to 65 pounds for freight trains. Enginemen will be held responsible for the sliding of wheels, and must in no case carry excessive pressure.

13. Enginemen when applying the brakes must not use the full pressure of air except in cases of emergency.

For ordinary stops, air must be applied lightly by opening the valve and closing it gently when the pressure has been reduced from four to eight pounds on the gauge, and at a sufficient distance to enable them to stop the train without discomfort to passengers, sliding the wheels or injury to the machinery of the train. The brakes are fully applied when the pressure shown on the gauge has been reduced twenty pounds; any further reduction is a waste of air.

14. In making a stop, it is important to make as few applications of the brake as possible. If more than two are made, some of the brakes are likely to stick.

15. If Engineman feels that some of the brakes are not released, he should put his brake valve at lap and pump up ten or fifteen pounds more air in the main reservoir and throw it on the train, which will release all brakes.

16. In releasing brakes the handle of the brake valve must be moved quite against the stop and be kept there for ten or fifteen seconds, and then moved back against the intermediate stop, which is the feed position, and where it must remain while the train is running, excepting on down grades, when after using the brakes some distance, the pressure has been reduced; in order to restore the pressure quickly, the handle of the brake valve must be left in the releasing position; this gives a full opening from the main reservoir to the train.

If greater time for re-charging is necessary, reduce the speed of the train.

17. When the grades will permit, the brakes on passenger trains should always be released before coming to a full stop thereby avoiding the sudden action of the cars, which is extremely annoying to passengers and injurious to cars.

valve," at the end of each car, must be turned horizontally before descending continuous, heavy grades. The valve in this position retains a pressure of ten pounds in brake cylinder, which partly controls train while brake is being released and re-charged; on reaching the foot of the grade the handles must be turned down, allowing the pressure to escape freely. And they should always be kept in this position on short or slight grades and level track. Particular attention must be given to see that the handles of these valves are in proper position at all times.

19. When double headers are run, air brakes should be used by head engineman alone; second engineman should closs stop cock in train pipe under his valve, or the absence of this stop cock, he should place engineman's valve in the "lap" position in order to give forward engineman complete control of the brakes.

Second engineman will also keep his air pump working, and thus have pressure ready for any emergency, such as failure of pump on forward engine; in which case, forward engineman proceeds as second engineman would in above. The second engineman having assumed control of the brakes, should retain charge of same until the end of the trip, except in case of necessity which may again reverse the operation.

Where helpers are used only for a short distance, regular engineman of train will keep charge of and be responsible for proper handling of brakes.

20. When on mountain grades it should always be borne in mind that train must be kept well under control: descending at high speed should not be practiced with any train, as some part of the machinery may fail, and while practicable to control speed with hand brakes at eight to ten miles per hour, it may be impossible at twenty to thirty miles per hour to regain its control. No experiments should be made with the brakes when on mountain grades. The following essential points should be observed in holding a train of air brake cars while descending heavy grades.

1st. Train should be charged with maximum pressure before bringing brakes into use.

and. Force of brakes should be regulated so as to maintain a regular and steady speed of train, also make as long a distance as possible to each application of the brakes; by doing this the pressure is used economically and the pump is given more time to accumulate the necessary pressure for recharging.

3rd. Brake valve should be kept in releasing position while recharging, thereby giving the brakes the greatest advantage in recharging quickly.

4th. Use every effort to restore full amount of pressure consumed in previous application before making new application of brakes.

before making new application of brakes.

5th. Reduce pressure, as shown on gauge, not more than 15 to 20 pounds from one recharging to another, otherwise it will be difficult to replenish the full amount in so short a time.

21. Driver brakes should be applied gradually in order not to bring a too sudden strain on the brake rods and lever. Engine should not be reversed when driver brakes are set, as the effects would be to look and slide the wheels.

22. When the number of air brakes in train are insufficient, hand brakes next to and back of air brakes should be used. If hand brakes at rear end of train and air brakes at forward end are used, and air brakes are released before first releasing hand brakes, the slack will run out, and train would probably break apart. By using all brakes at forward end slack will always remain together back of hand brakes, even if air brakes are released first.

23. Engineman should always have on engine, one extra hose for connection between engine and tender, and one for connection between tender and car. Defects in air brakes should be reported to Superintendent, by telegraph, giving

number and initial of car and nature of

Trainmen must watch train closely while in motion, and pay special attention to wheels sliding and brakes sticking, and report such cases to engineman at once; they should also see that when pressure retaining valves are used, the handles are all turned down as soon as bottom of grade is reached. They should be on the alert at all times, and ready to respond quickly in case of any emergency which might arise that would necessitate prompt use of the hand brake.

### CONCERNING BAKER HEATERS.

To insure satisfactory results in the use of the heater, the following instructions must be strictly observed:

1. The heater should be kept half full of coal at all times. The coal should never be allowed to get below top of worm. This will give about fifteen inches of fire.

2. The inside safety lid should never be

opened except to build the fire or put in coal.
(Never force the fire by opening inside safety lid.)
3. To increase the heat, open inside lower damper, and close upper damper.

4. To reduce the heat, close the lower damper and open the upper damper about two inches, or according to amount of heat required. With both dampers closed the car will not be too warm at any time, and by proper working of the lower and the upper dampers, and watching the

indicator, the car can be kept at any temperature desired.

5. Failure of the heater arises from neglect or mismanagement, generally from allowing fires to run too long without putting in coal, then filling them full and operating the drafts, producing a rapid fire, which instead of warming the car, stops the circulation, and creates gases, which are liable to explode.

farge amount of piping in the cars, the circulation (which is principally caused by the weight of the column of water falling from the drum into the pipes, and the difference in the weight of a column of cold and hot water), must be necessarily slow, and that a forced fire will do no good, but will only cause the effect mentioned above.

water contains all the salt it will hold in solution, and that no undissolved salt enters the drum. Open the combination cock on end of drum and pour in water until it runs freely from same. The water should always stand at the height of combination cock, which may be tried by opening the cock, but only when the fire is very low and no pressure on. Pipes should be warm all round before passengers enter the car.

8. Passenger cars having Baker heaters must be turned so that heater will be in forward end of car when practicable.



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