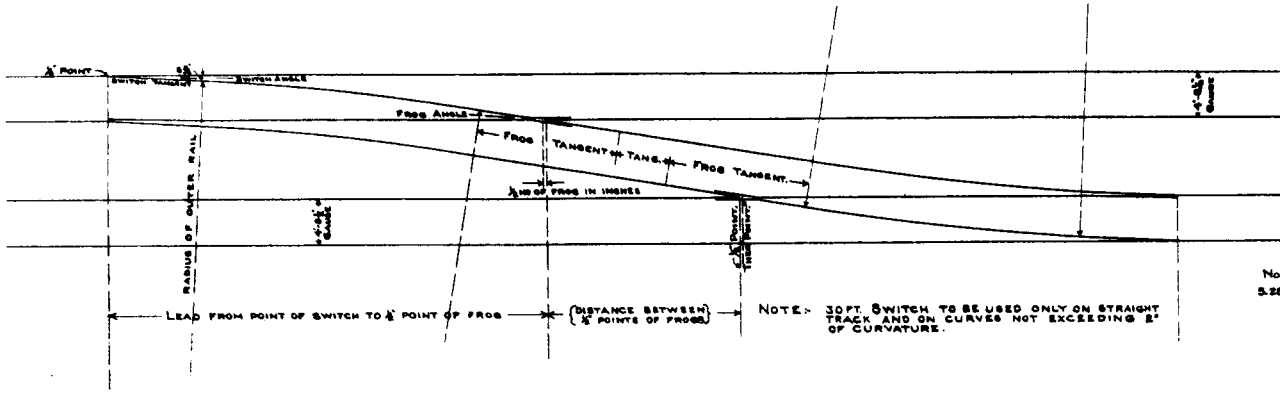


NOTE:- 30 FT. SWITCH TO BE USED ONLY ON STRAIGHT TRACK AND ON CURVES NOT EXCEEDING 2° OF CURVATURE.

LADDER TRACKS				
	DISTANCE BETWEEN FROG POINTS			
FROG No.	DISTANCE BETWEEN TRACKS 12'-2"	15'-0"	18'-0"	20'-0"
6	73.51	78.54	90.62	120.83
8	97.71	104.41	120.47	160.63
10	121.98	130.33	150.38	200.50
15	182.70	195.22	225.25	300.33

USE OF FROGS.

No.
5.289 FOR SIDINGS HAVING CURVE OF 175 FT.
6 ONLY WHERE LOCAL CONDITIONS REQUIRE.
8 ALL LADDERS, YARD CROSSOVERS, MAIN TRACK TURNOUTS, AT INTERLOCKINGS ONLY AT TERMINALS OR AT POINTS WHERE SPEED IS NOT OVER 15 MILES PER HOUR.
10 MAIN TRACK CROSSOVERS, AT ENDS OF MIDDLE TRACKS AND PASSING SIDINGS WHEN NOT INTERLOCKED, AT TERMINALS WHERE SPEED IS NOT MORE THAN 15 MILES PER HOUR
15 FOR ALL INTERLOCKED RUNNING TRACKS NORMALLY FOR FREIGHT MOVEMENTS OR WHERE SPEED IS NOT MORE THAN 25 MILES PER HOUR.
20 FOR ALL INTERLOCKED RUNNING TRACKS WHERE OTHER CONDITIONS DO NOT ORDINARILY NECESSITATE SPEED REDUCTION.

NOTE:- NO FROG NUMBER GREATER THAN 20 OR LESS THAN 5.289 TO BE USED WITHOUT SPECIAL PERMISSION.

TURNOUTS AND CROSSOVERS.										
FROG No.	LEAD FROM POINT OF SWITCH TO ℄ PT. OF FROG	DEGREE OF CURVE OF OUTER RAIL	RADIUS OF OUTER RAIL	CHORD OF CURVED OUTER RAIL	FROG		SWITCH		CROSSOVERS	
					ANGLE	LENGTH FROM ℄ POINT	LENGTH	ANGLE	DISTANCE BETWEEN ℄ POINTS OF FROGS (TRACKS 12'-2" CENTERS)	DISTANCE BETWEEN TRACKS (TRACKS 12'-2" CENTERS)
5.289	41.84	32°-45'-03.5"	177.35	25.10	10°-49'-00.0"	7'-0"	10'	2°-41'-12.2"		
6	45.98'	23°-32'-13.5"	245.15	29.25	9°-31'-38.4"	7'-0"	10'	2°-41'-12.2"	15.49'	20.46'
8	69.91	12-34-16.0	456.69	45.10	7-09-09.7	7-0	18	1-29-32.1	20.95	27.59
10	81.61	7-27-37.4	768.54	56.76	5-43-29.3	7-0	18	1-29-32.1	26.36	34.67
15	107.46	2-47-01.2	2058.49	83.56	3-49-05.9	6-0	18	1-29-32.1	39.80	52.28
20	156.03	1-39-53.2	3441.79	118.27	2-51-51.1	7-10	30	0-53-43.0	53.18	69.84

ORIGINAL ON FILE

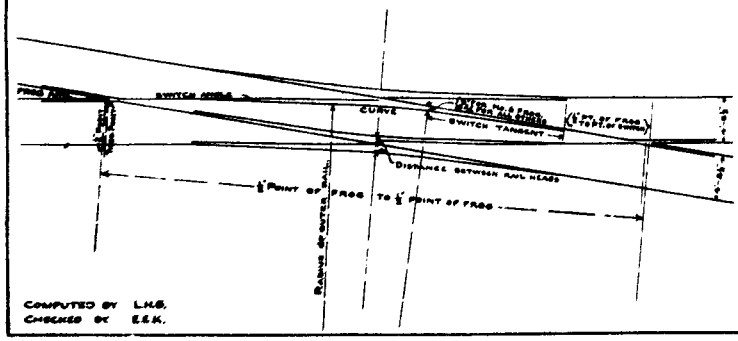
58091

P. R. R. STANDARD

TABLE OF ACTUAL DIMENSIONS OF TURNOUTS, CROSSOVERS, SLIP-SWITCHES & LADDER TRACKS FROM TANGENT

0' 8' 16' 24'

DECEMBER 1904
REVISED APRIL 1906
REVISED OCT., 1908.



COMPUTED BY L.H.S.
CHECKED BY E.E.K.

SLIP SWITCHES								
FROG No.	LENGTH OF SWITCH	ANGLE OF SWITCH	℄ PT. OF FROG TO PT. OF SWITCH	℄ PT. OF FROG TO ℄ PT. OF FROG	DEGREE OF CURVE OF OUTER RAIL	RADIUS OF OUTER RAIL	CHORD OF CURVED OUT. RAIL	DIST. BET. RAIL HEADS AT CENTER OF CROSSING
6	14' 6"	2°-37'-53.6	9.25	57.20	37°-43'-17.4	154.67	9.71	10½"
8	15 0	1-49-50.1	12.33	76.15	16-17-47.2	352.77	21.49	9½"
10	18 0	1-31-31.5	15.42	95.12	9-27-38.3	606.31	28.29	9½"
15	24 0	1-08-38.4	23.13	142.58	3-09-58.6	1809.67	48.33	10½"

Correct
ENGINEER M. W.
Approved
CHIEF ENGINEER M. W.
Approved
GENERAL MANAGER

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