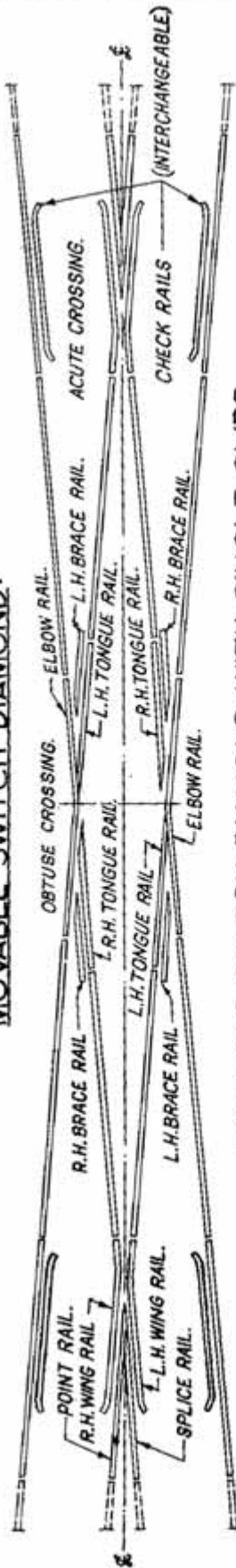
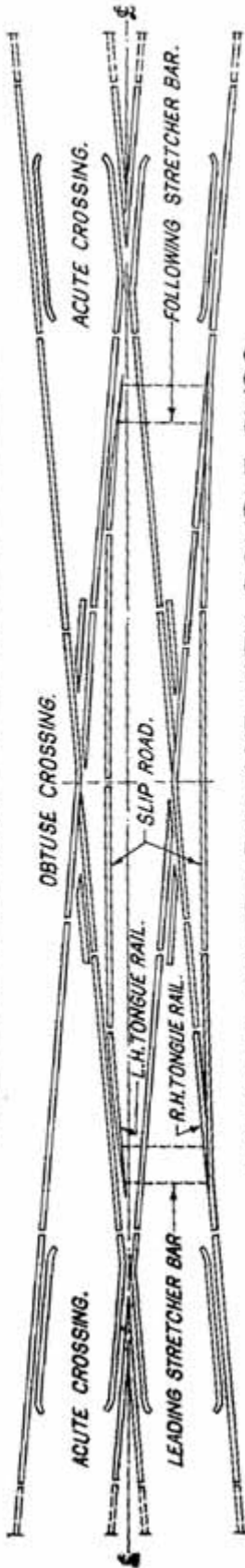


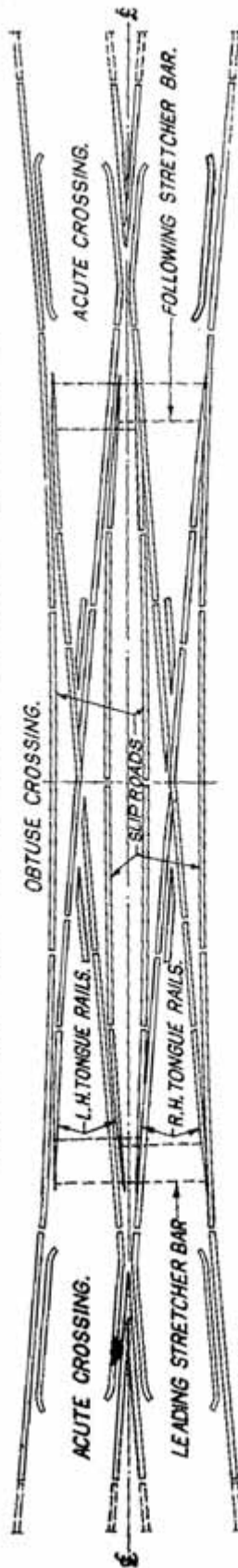
MOVABLE SWITCH DIAMOND.



MOVABLE SWITCH DIAMOND WITH SINGLE SLIPS.

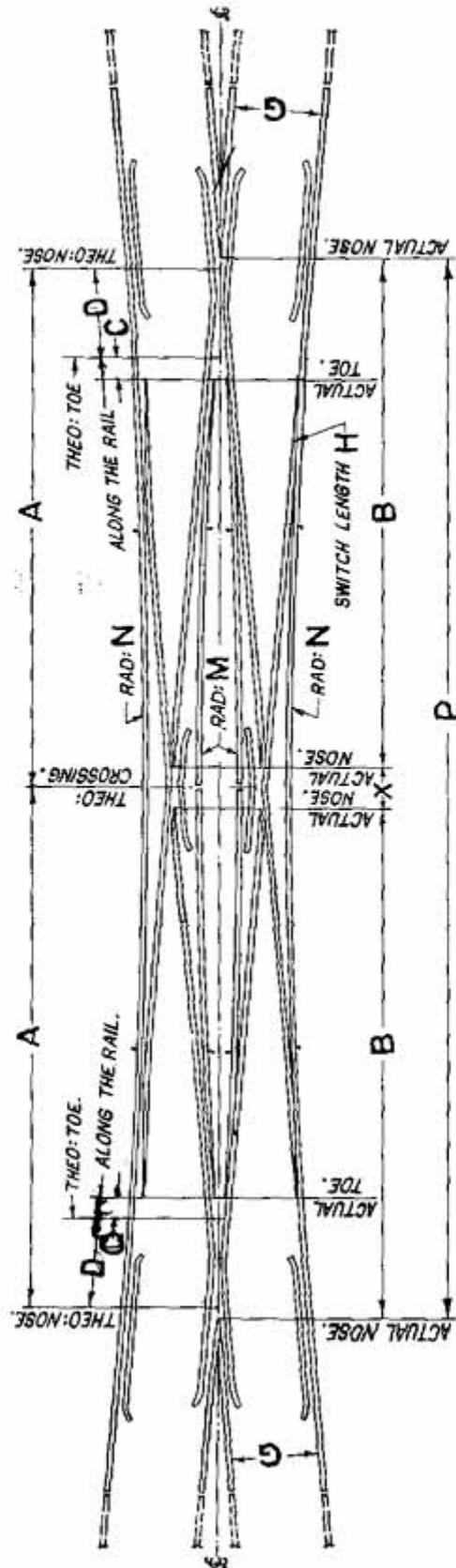


MOVABLE SWITCH DIAMOND WITH DOUBLE SLIPS.



DEFINITIONS OF MOVABLE SWITCH DIAMONDS & SLIPS.

MAIN DIMENSIONS OF DIAMONDS & SLIPS.



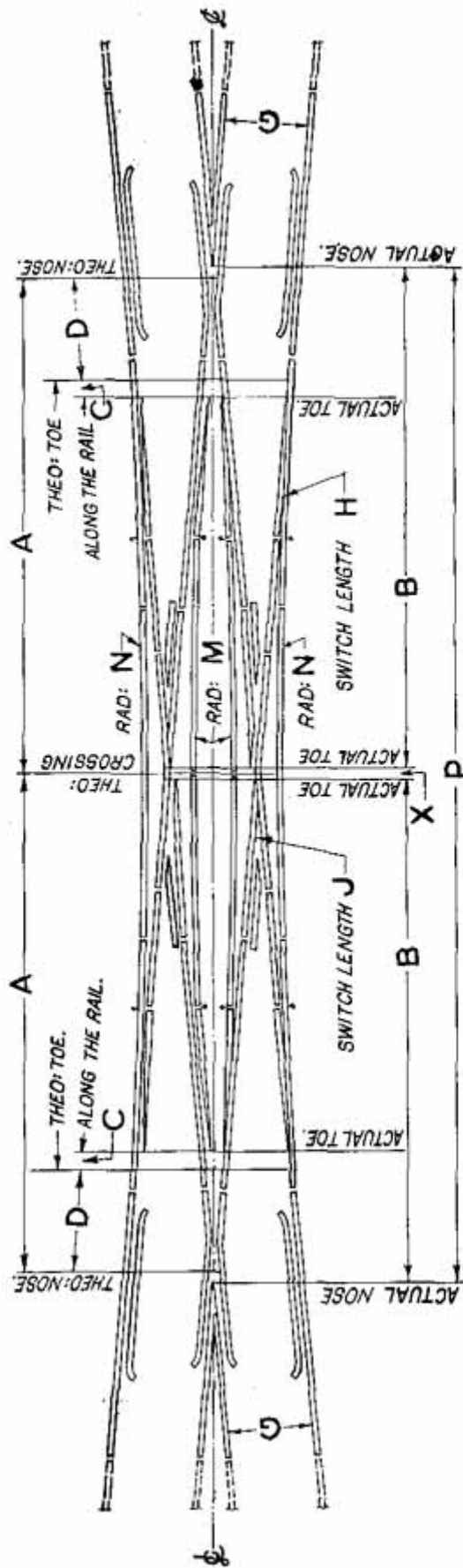
CROSSING ANGLE = Z
SLIP SWITCH ANGLE = Y
GAUGE = G

NOTE:- FOR TA 20266 RADII N & M
START FROM ACTUAL TOE.

TABLE OF DIMENSIONS.

RAIL SECTION	GAUGE G	CROSSING	ASSEMBLY DRG. N ^o	D I M E N S I O N S											
				A	B	C	D	M	N	Z	Y	H	X	P	
UIC 60kg	B.G.	1 IN 8 1/2	TA 20266	14320	14000	0	3134	231440	229764	6°-42'-35"	0°-35'-0"	6400	922	28922	
90 R.	B.G.	1 IN 8 1/2	TA 20146	14320	13944	225	2360	225800	224124	6°-42'-35"	1°-34'-27"	4725	988	28876	
60 R.	M.G.	1 IN 8 1/2	TA 20424	8544	8193	215	2110	116220	115220	6°-42'-35"	1°-47'-24"	3050	892	17278	

MAIN DIMENSIONS OF MOVABLE SWITCH DIAMONDS & SLIPS.



CROSSING ANGLE = Z
SLIP SWITCH ANGLE = Y

TABLE OF DIMENSIONS.

RAIL SECTION	GAUGE G	CROSSING	ASSEMBLY DRG. N ^o	D I M E N S I O N S (in mm)												
				A	B	C	D	M	N	Z	Y	H	J	X	P	
52 Kg	B.G.	1 IN 8 1/2	TA 20220	14320	14386	225	2360	225800	224124	6°-42'-33"	1°-34'-27"	4725	4733	132	28904	
90 R.	B.G.	1 IN 8 1/2	TA 20136	14320	14379	225	2360	225800	224124	6°-42'-35"	1°-34'-27"	4725	4738	118	28876	
90 R.	B.G.	1 IN 10	TA 20131	16825	16895	225	2820	405230	403554	5°-42'-38"	1°-34'-27"	4725	4733	140	33930	
52 Kg	B.G.	1 IN 12	TA 20216	20165	20258	324	3323	464590	462914	4°-45'-49"	1°-8'-0"	6400	4938	186	40702	
90 R.	B.G.	1 IN 12	TA 20238	20165	20249	324	3323	464590	462914	4°-45'-49"	1°-8'-0"	6400	4927	166	40664	
75 R.	M.G.	1 IN 12	TA 20491	12031	12109.5	215	3060	543515	542515	4°-45'-49"	1°-47'-24"	3145	3685	157	24376	

LENGTH OF RAILS IN B. G. 1 IN 8½ DIAMOND CROSSINGS.

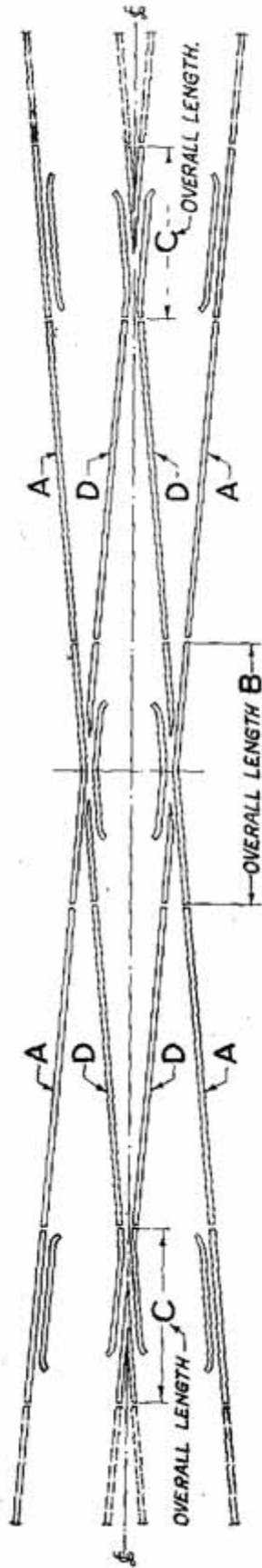
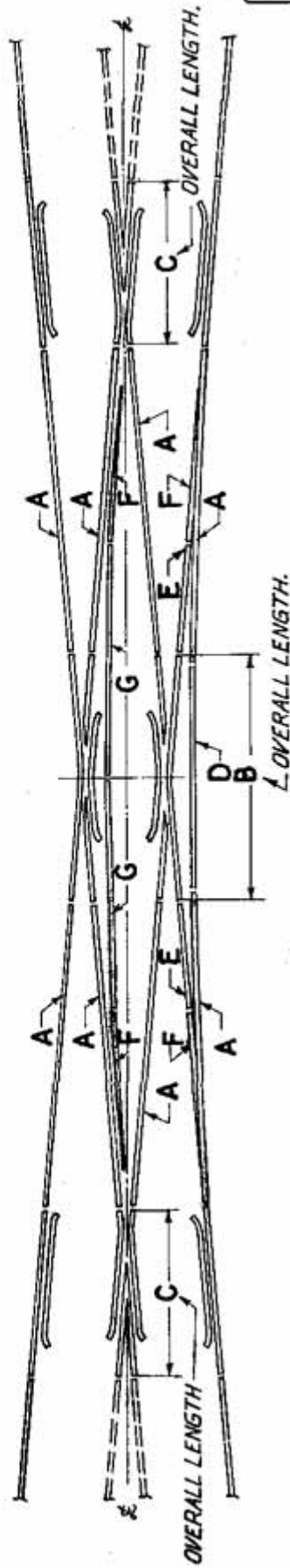


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY DRAWING NO	DIMENSIONS (mm)			
		A	B	C	D
UIC 60Kg	TA 20254	9142	6920	4650	9142
90R.	TA 20144	9000	7252	4800	9000

LENGTH OF RAILS IN B.G. 1 IN 8½ DIAMOND
CROSSINGS WITH SINGLE SLIPS.



ALTERNATIVE ARRANGEMENT OF RAIL LENGTHS IN SINGLE SLIPS.

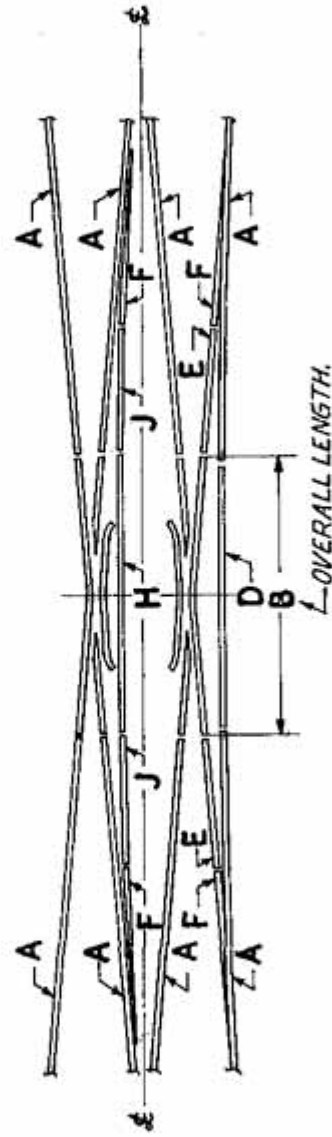


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY DRG: NR	D I M E N S I O N S <small>(mm)</small>									
		A	B	C	D	E	F	G	H	J	
90R.	TA 20/45	9 000	7 252	4 800	7 220	3 394	4 722	7 012	7 220	3 399	
								OR			

LENGTH OF RAILS IN B.G. 1 IN 8½ DIAMOND
CROSSINGS WITH DOUBLE SLIPS.

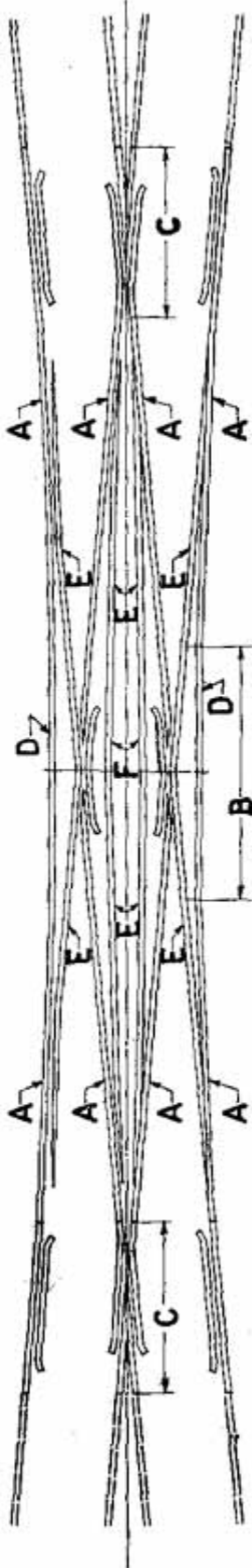


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY DRAWING NO.	DIMENSIONS (mm)					
		A	B	C	D	E	F
UIC 60Kg	TA 20266	8142	6920	4860	6910	7744	6910

LENGTH OF RAILS IN M.G. 1 IN 8½ DIAMOND CROSSINGS.

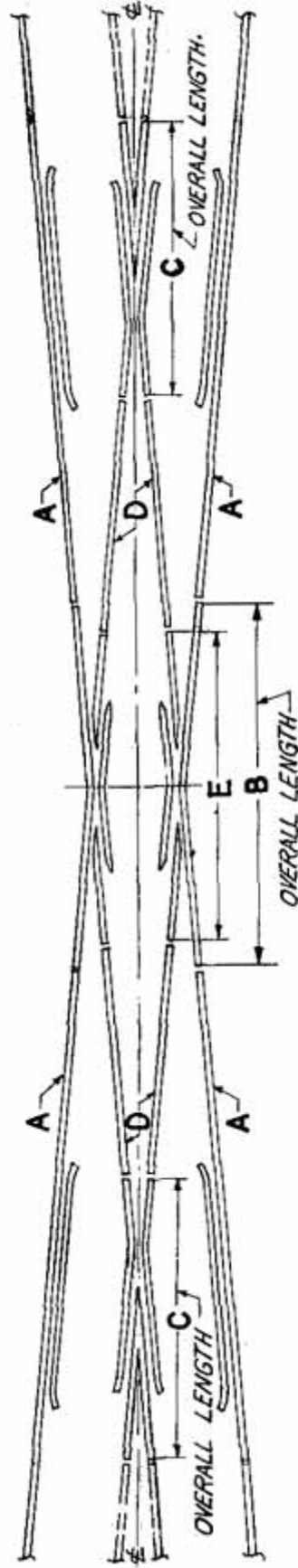


TABLE OF RAIL LENGTHS:

RAIL SECTION	ASSEMBLY DRG. NR.	DIMENSIONS (in mm)				
		A	B	C	D	E
60R	TA20422	11000	6342	4800	4112	5414

LENGTH OF RAILS IN M.G.I IN 8½ DIAMOND CROSSINGS WITH SINGLE SLIPS.

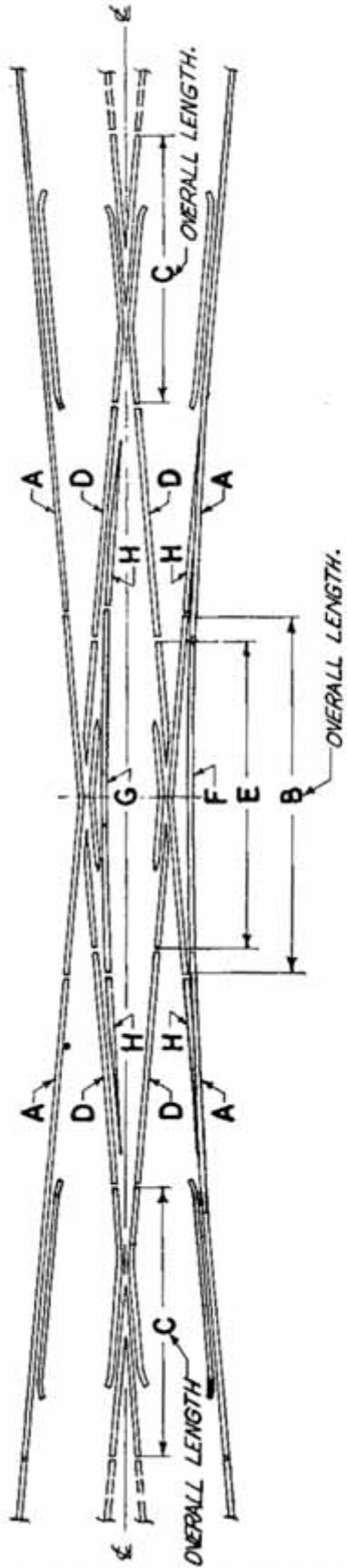
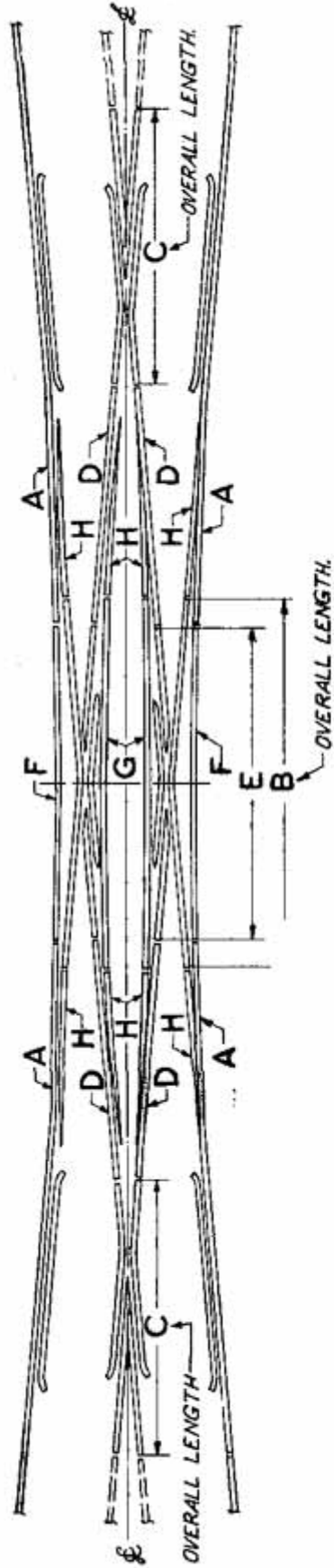


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY DRG:NB	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
60R.	TA 20423	11000	6342	4800	4112	5414	5415	6342	3047

LENGTH OF RAILS IN M. G. 1 IN 8½ DIAMOND
CROSSINGS WITH DOUBLE SLIPS.



LENGTH OF RAILS IN B.G. 1 IN 8½ MOVABLE SWITCH
DIAMOND CROSSINGS

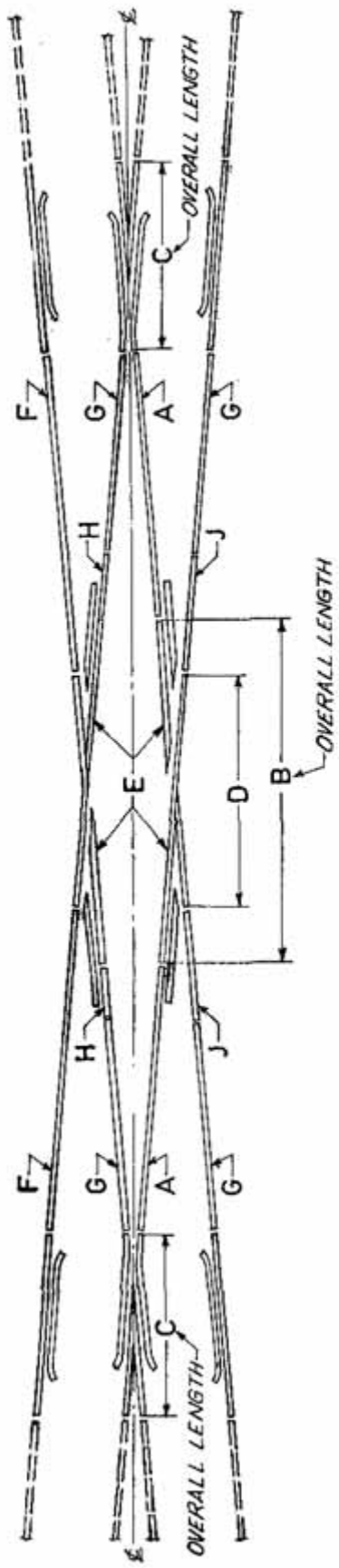


TABLE OF RAIL LENGTHS

RAIL SECTION	ASSEMBLY DRG. NO.	CROSSING	D I M E N S I O N S									
			A	B	C	D	E	F	G	H	J	
52 kg.	TA 2021B	1 IN 8½	7850	9574	4800	6374	4730	9454	6690	1154	2758	
90R.	TA 2034	1 IN 8½	7636	9574	4800	6374	4735	9440	6680	1152	2754	

LENGTH OF RAILS IN B. G. MOVABLE SWITCH

DIAMOND CROSSINGS.

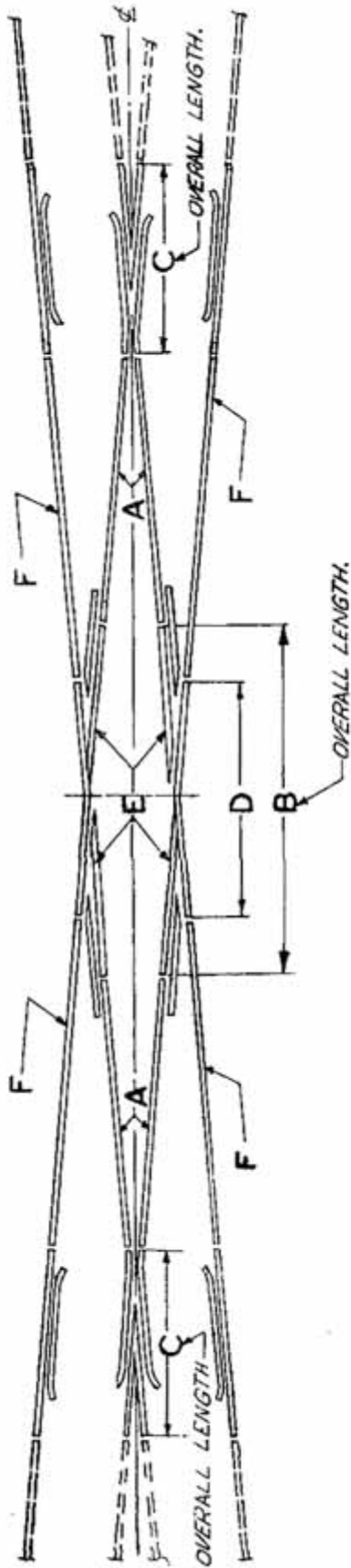


TABLE OF RAIL LENGTHS

RAIL SECTION		D I M E N S I O N S						
		ASSEMBLY DRG: NR	CROSSING	A	B	C	D	E
90R.	TA 20129	1 IN 10	9850	9588	5360	6394	4730	11450

LENGTH OF RAILS IN B. G. I IN 8½ MOVABLE SWITCH DIAMOND
CROSSINGS WITH SINGLE SLIPS

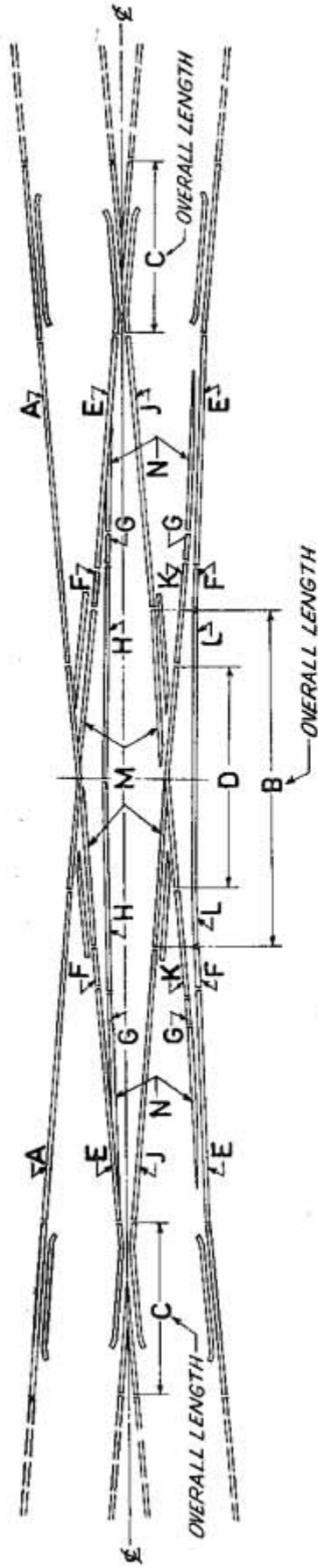


TABLE OF RAIL LENGTHS

RAIL SECTION	ASSEMBLY DRG.	CROSSING	DIMENSIONS in mm													
			A	B	C	D	E	F	G	H	J	K	L	M	N	
52 kg.	TA 20219	1 IN 8½	9454	9574	4800	5974	6690	1154	1164	5842	7850	2663	9547	4730	4722	
90R.	TA 20135	1 IN 8½	9440	9574	4800	6374	6680	1152	1073	5933	7838	2754	9544	4735	4722	

LENGTH OF RAILS IN B. G. MOVABLE SWITCH DIAMOND CROSSINGS WITH SINGLE SLIPS.

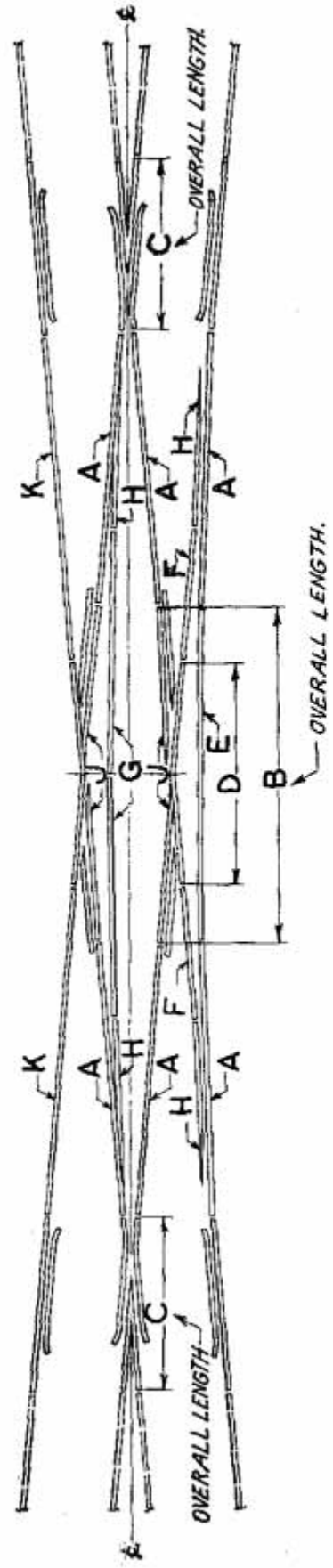


TABLE OF RAIL LENGTHS

RAIL SECTION	ASSEMBLY DRG. NO.	CROSSING	DIMENSIONS mm										
			A	B	C	D	E	F	G	H	J	K	
90R.	TA 20130	11N10	9850	9586	5360	6394	9594	5863	9055	4722	4730	11450	

LENGTH OF RAILS IN B. G. 1 IN 12 MOVABLE SWITCH DIAMOND
CROSSINGS.

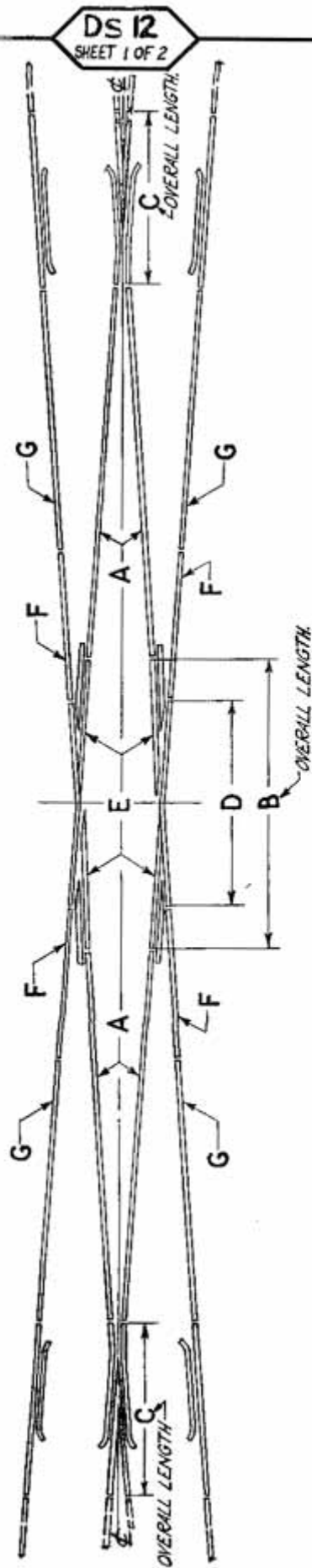


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY ORG: N ^o	D I M E N S I O N S (IN IN)						
		A	B	C	D	E	F	G
52 Kg	7A 20214	13000	10050	5970	7094	4935	5353	9120
90 R.	7A 20236	13000	10018	5970	7094	4927	5392	8122

LENGTH OF RAILS IN B.G. 1 IN 12 MOVABLE SWITCH DIAMOND CROSSINGS WITH

SINGLE SLIPS.

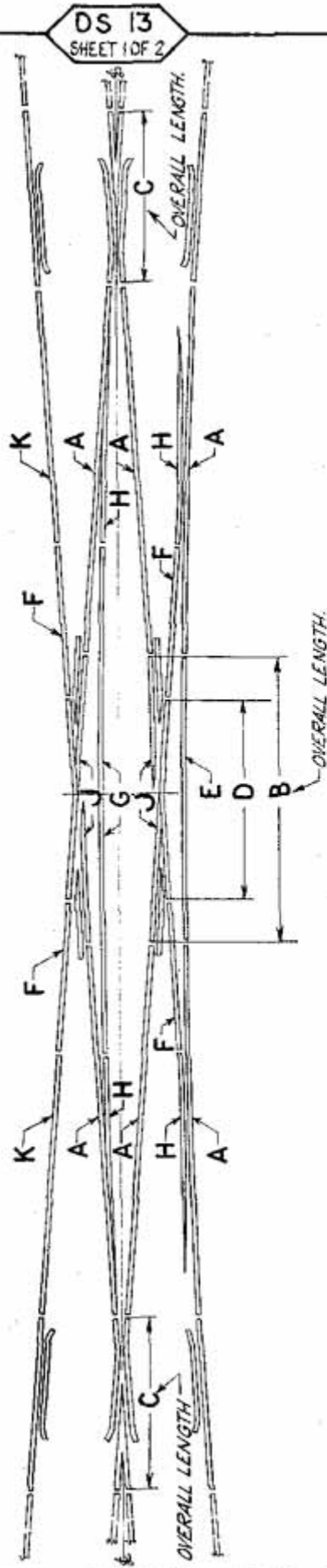


TABLE OF RAIL LENGTHS.

RAIL SECTION	ASSEMBLY DRG NR	DIMENSIONS (mm)									
		A	B	C	D	E	F	G	H	J	K
52Kg	TA20215	13000	10050	5970	7094	10036	5353	8894	7620	4935	9/20
90R.	TA 20237	13000	10018	5970	7094	9998	5332	8894	7620	4927	9/22

LENGTH OF RAILS IN B.G. I IN 8½ MOVABLE SWITCH DIAMOND
CROSSINGS WITH DOUBLE SLIPS.

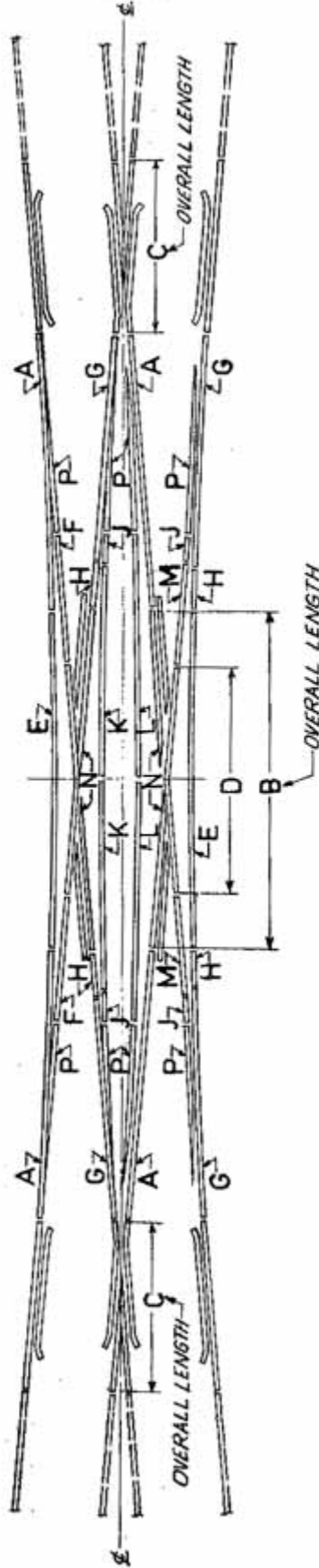


TABLE OF RAIL LENGTHS

RAIL SECTION	ASSEMBLY DRG. NR	CROSSING	D I M E N S I O N S													
			A	B	C	D	E	F	G	H	J	K	L	M	N	P
52 kg.	TA 20220	1 IN 8½	7850	9574	4800	6374	9574	3633	6690	1154	1164	5842	7012	2663	4730	4722
90R.	TA 20136	1 IN 8½	7838	9574	4800	6374	9544	3633	6680	1152	1073	5933	7012	2754	4735	4722

LENGTH OF RAILS IN B. G. MOVABLE SWITCH DIAMOND CROSSINGS WITH DOUBLE SLIPS.

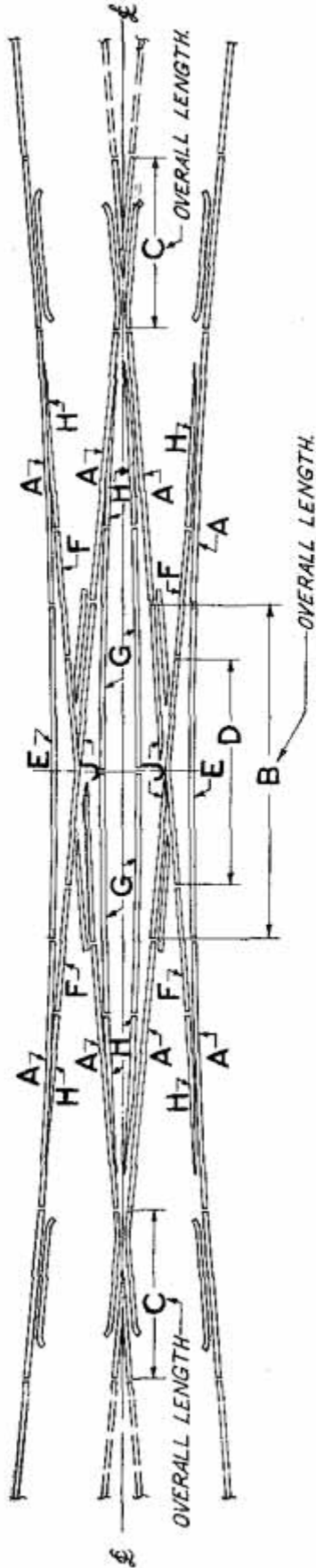
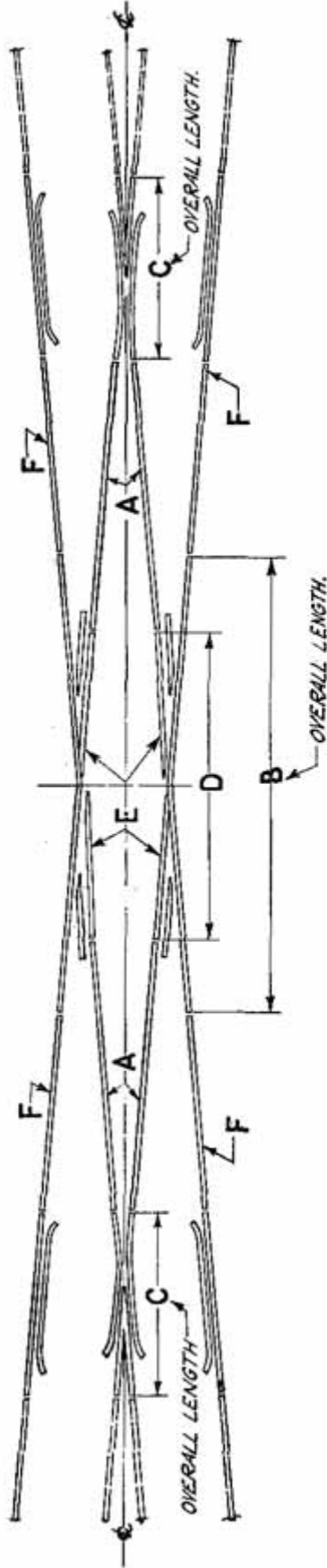


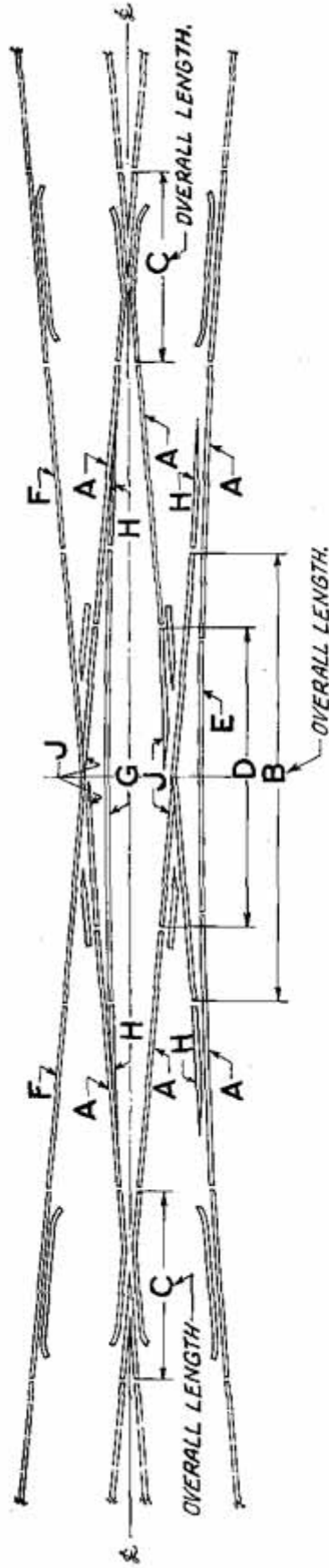
TABLE OF RAIL LENGTHS

RAIL SECTION	ASSEMBLY DRG. N ^o	CROSSING	D I M E N S I O N S									
			A	B	C	D	E	F	G	H	J	
90R.	TA 20131	1 IN 10	9850	9588	5360	6394	9594	5863	9055	4722	4730	
52k9.	TA 20216	1 IN 12	13000	10050	5970	7094	10036	5353	8894	7620	4935	
90R.	TA 20238	1 IN 12	13000	10018	5970	7094	9996	5332	8894	7620	4927	

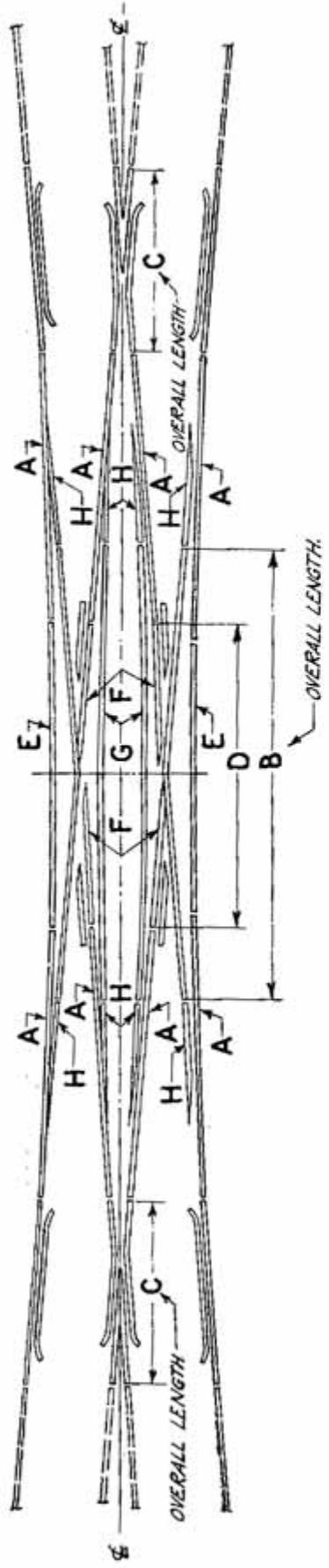
LENGTH OF RAILS IN M.G. 1 IN 12 MOVABLE SWITCH DIAMOND CROSSINGS.



LENGTH OF RAILS IN M.G. 1 IN 12 MOVABLE SWITCH
DIAMOND CROSSINGS WITH SINGLE SLIPS.



LENGTH OF RAILS IN M.G. 1 IN 12 MOVABLE SWITCH DIAMOND CROSSING WITH
DOUBLE SLIPS.



OFFSETS FOR B. G. 1 IN 8½ DIAMOND
CROSSING AND SLIPS.

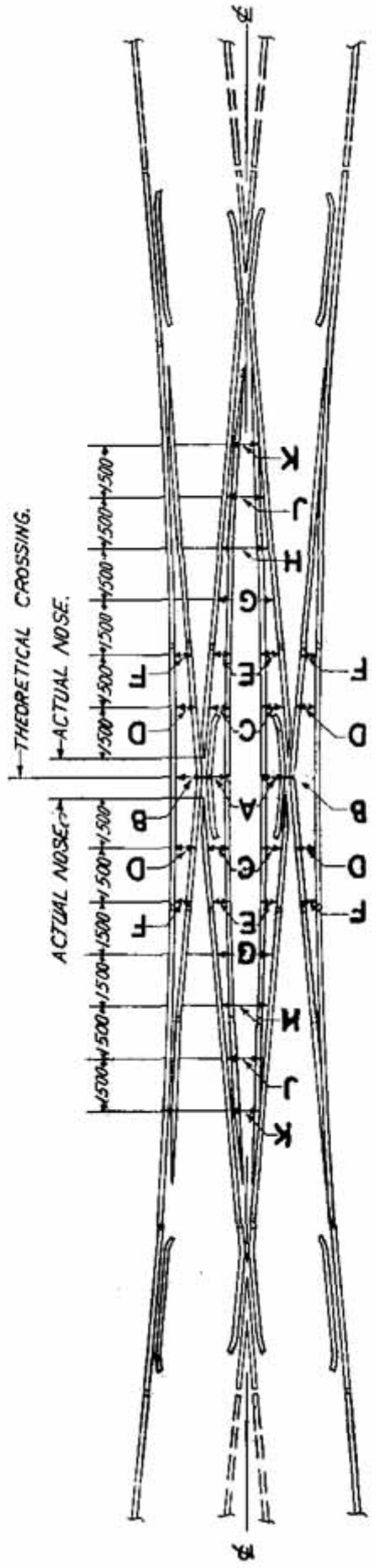


TABLE OF OFFSETS.

RAIL SECTION	ASSEMBLY DRG. NR	DIMENSIONS (in mm)									
		A	B	C	D	E	F	G	H	J	K
UIC 60Kg	TA 20266	389.5	383	278.5	280.5	208	209.5	1097	921.5	745.5	569.5
90R.	TA 20146	443	432.5	330	329.5	260.5	260	1093.5	917.5	741.5	566

OK. 25.12.1988 W.C. I. W. B. 8.1.1989 C.D. 1.1.1989 1.1.1989

OFFSETS FOR M.G. 1 IN $8\frac{1}{2}$ DIAMOND CROSSING AND SLIPS.

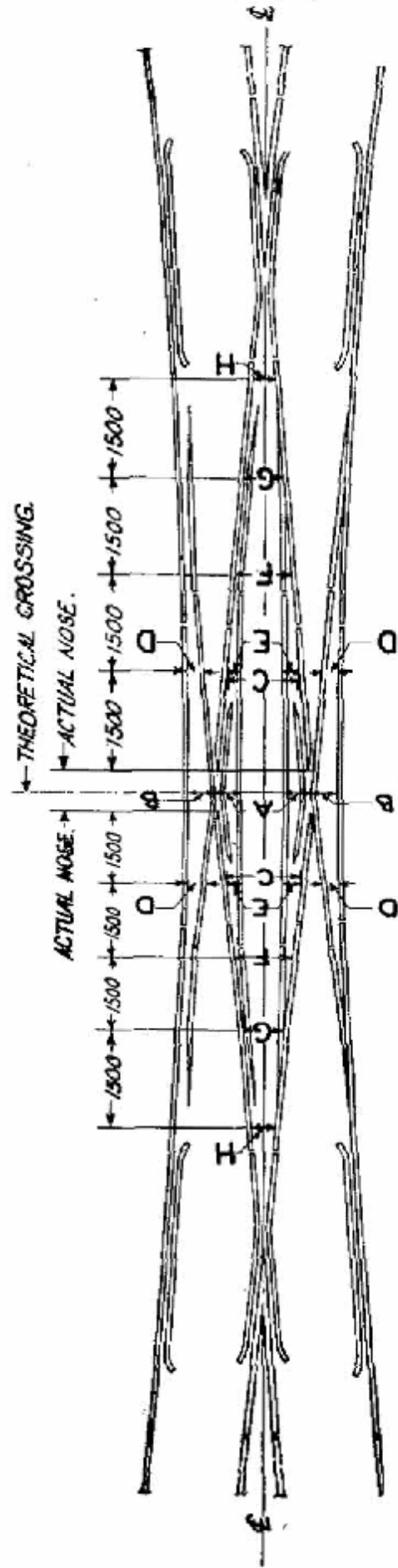


TABLE OF OFFSETS.

RAIL SECTION	ASSEMBLY DRG. NR	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
60R	TA 20424	249.5	238.5	773.5	146	147	597.5	422	246

**OFFSETS FOR B. G. I IN 8½ MOVABLE SWITCH
DIAMOND CROSSING AND SLIPS.**

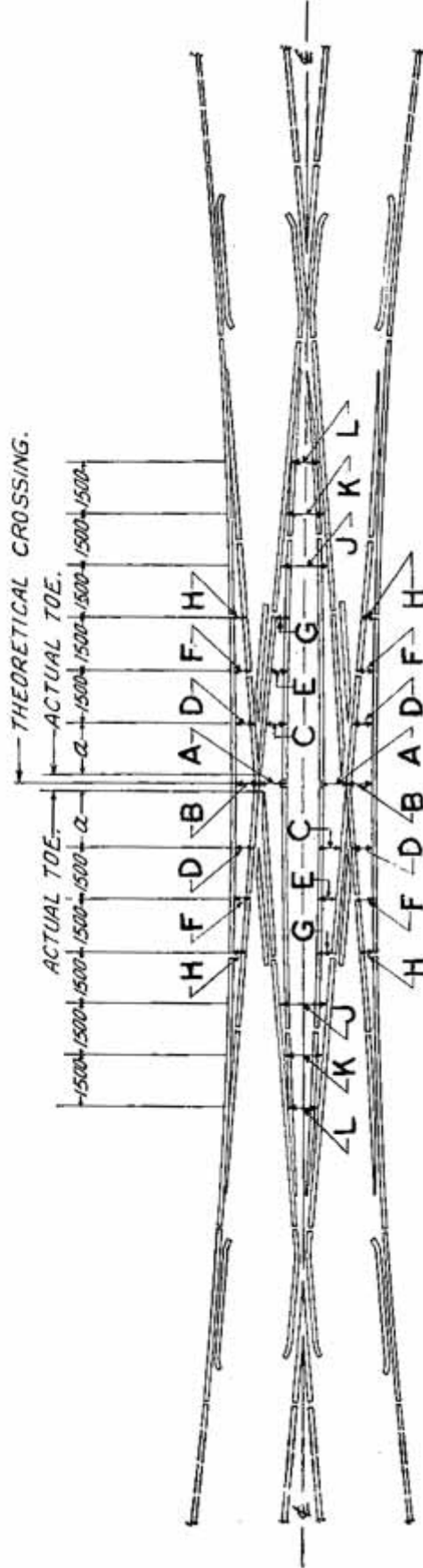


TABLE OF OFFSETS.

RAIL SECTION	ASSEMBLY DRG. NO.	HORIZONTAL DISTANCE Q	D I M E N S I O N S (mm)										
			A	B	C	D	E	F	G	H	J	K	L
52g	TA 20220	1724	440	436	341	340	270	269	209	208	941	766	590
30R	TA 20336	1731	440	436	341	340	270	269	209	208	941	766	590

OFFSETS FOR B. G. I IN IO MOVABLE SWITCH
DIAMOND CROSSING AND SLIPS.

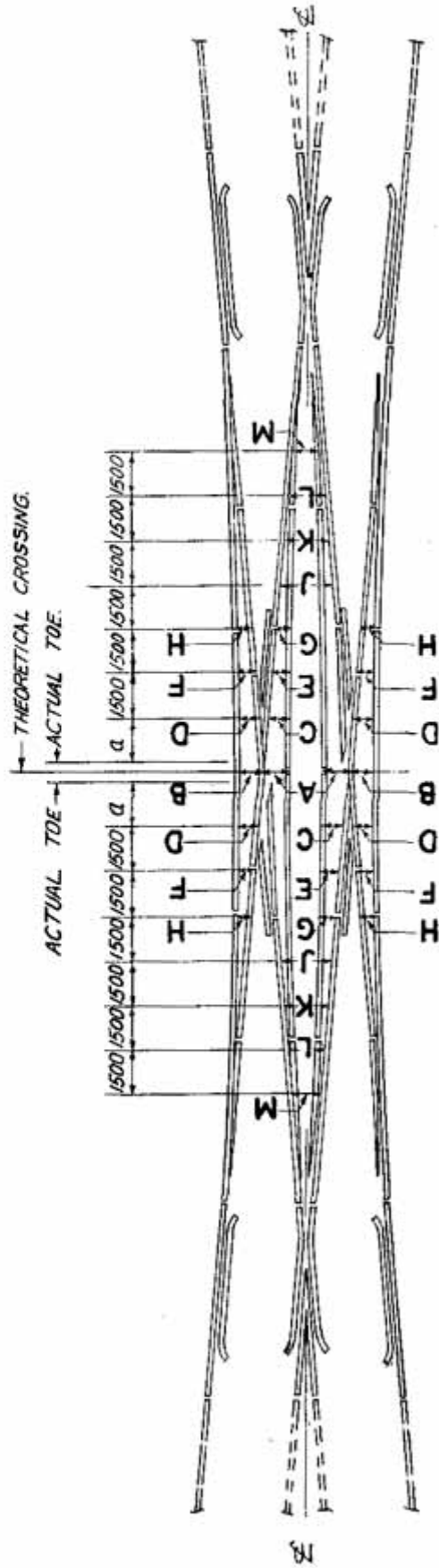


TABLE OF OFFSETS:

RAIL SECTION	ASSEMBLY DRUG: NQ	HORIZONTAL DISTANCE α	DIMENSIONS (MM)											
			A	B	C	D	E	F	G	H	J	K	L	M
90 R.	TA 20131	1727	489	486	402	401	337	336	277	276	1050	900	751	601

OFFSETS FOR B. G. 1 IN 12 MOVABLE SWITCH DIAMOND CROSSING AND SLIPS.

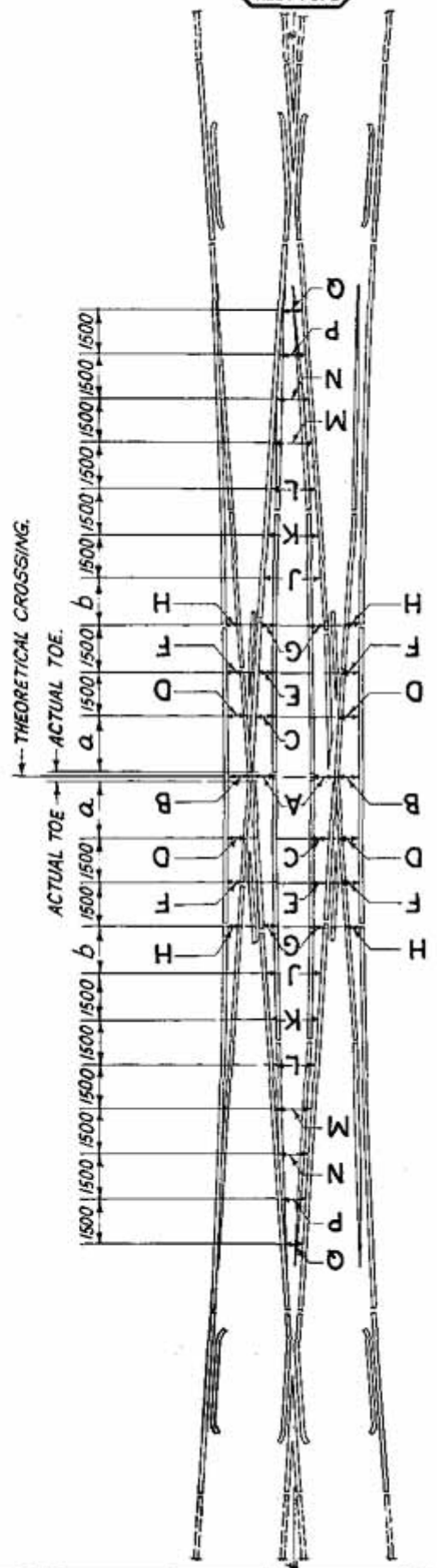
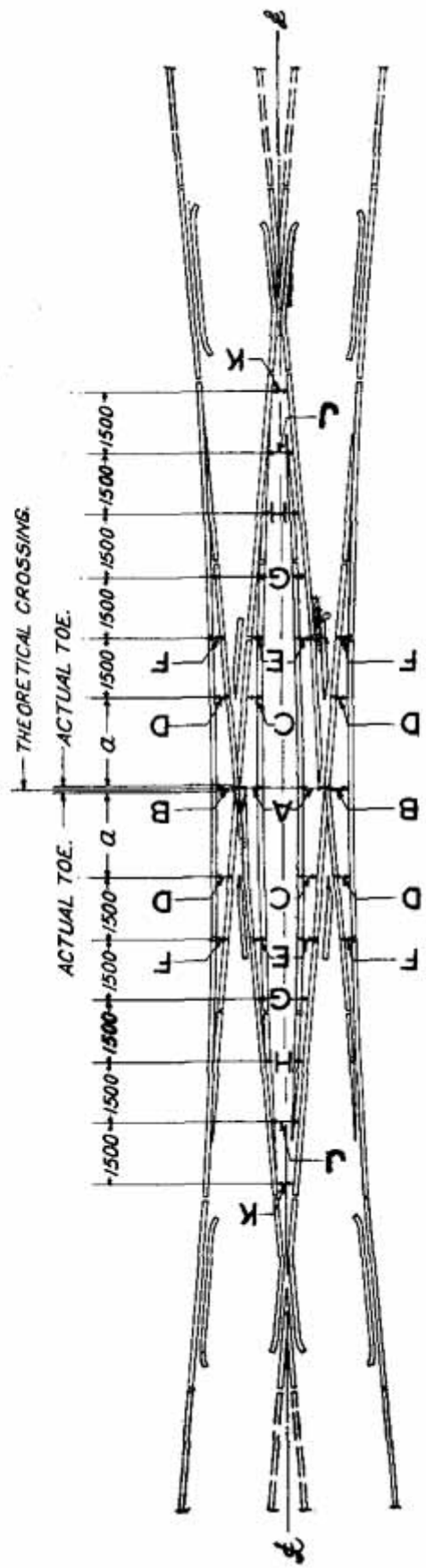


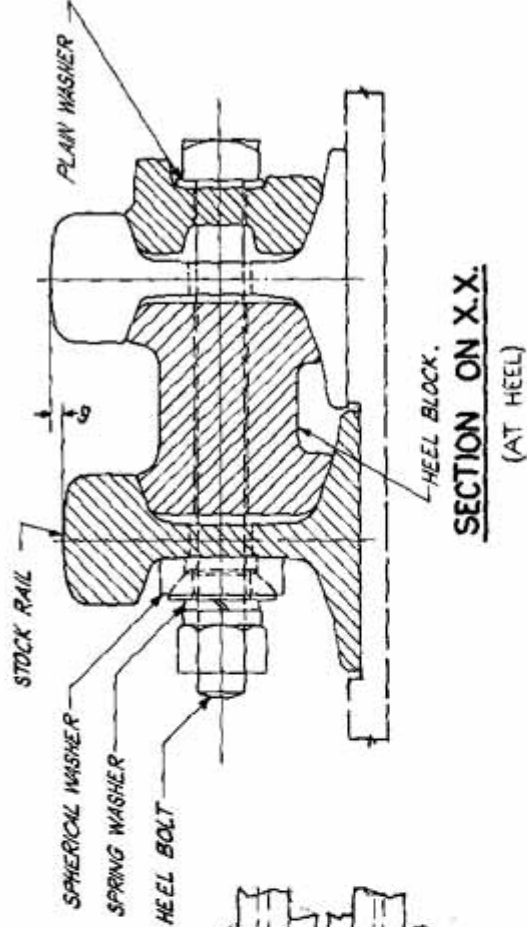
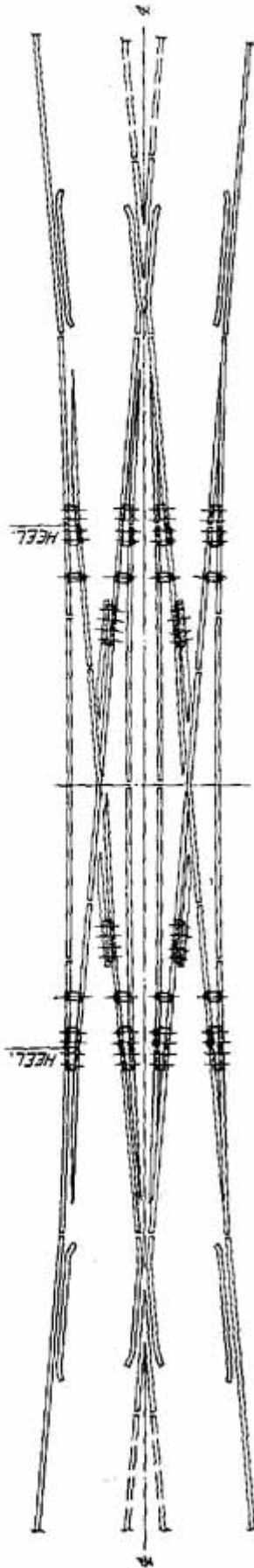
TABLE OF OFFSETS.

RAIL SECTION	ASSEMBLY OR GAR	HORIZONTAL DISTANCES		DIMENSIONS (mm)															
		a	b	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	
52N ₉	TA 2 0216	1935	1593	446	445	365	364	312	311	263	262	1135	1010	885	761	636	511	386	
90 R.	TA 20238	1926	1500	446	443	366	365	312	311	264	263	1136	1011	886	761	636	512	387	

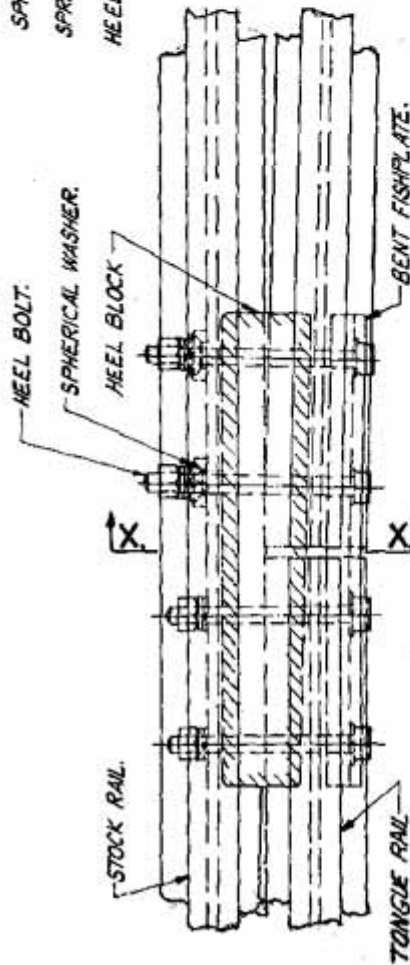
OFFSETS FOR M. G. MOVABLE SWITCH DIAMOND CROSSING AND SLIPS.



POSITION OF SPHERICAL WASHERS IN LOOSE HEEL TYPE SWITCHES FOR DIAMONDS WITH SLIPS.



**SECTION ON X.X.
(AT HEEL)**

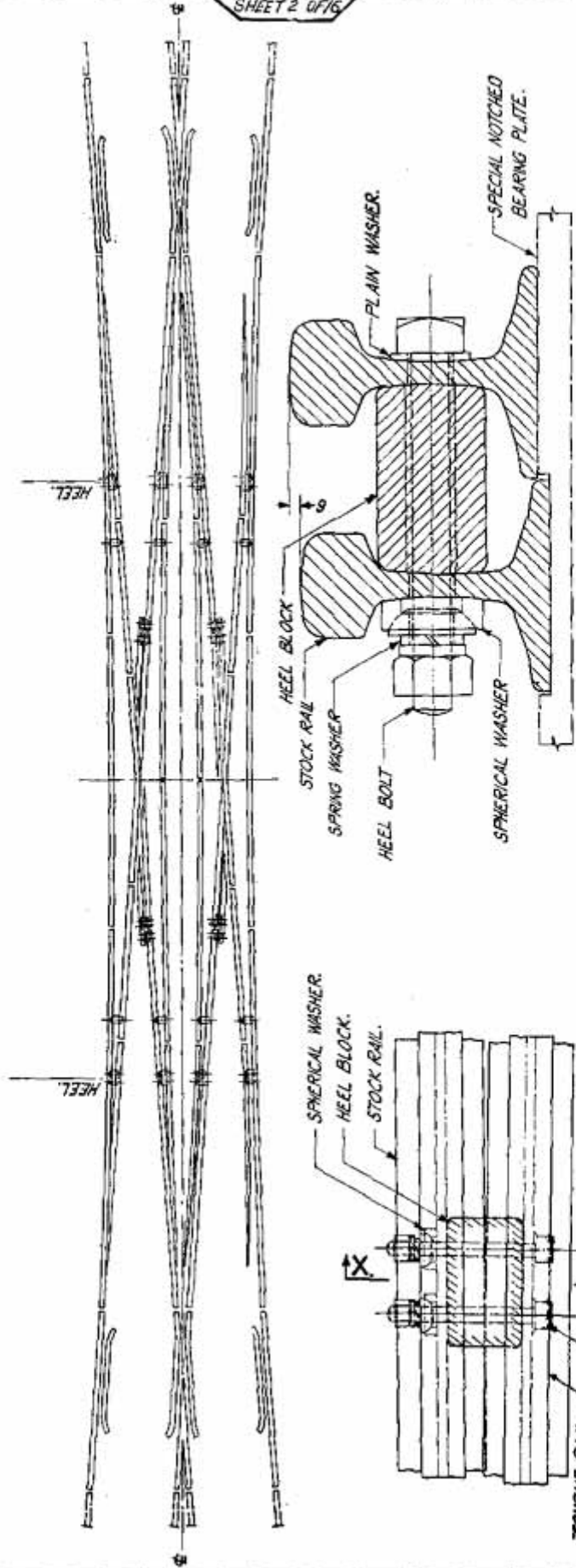


ENLARGED PLAN OF L.H. HEEL.

NOTE:-

SPHERICAL WASHERS IN THE INTERMEDIATE PORTION OF DIAMONDS WITH SINGLE OR DOUBLE SLIPS, SHOULD BE PROVIDED ON THE LEFT HAND SIDE OF THE TRACKING STRUCTURE.

**POSITION OF SPHERICAL WASHERS IN FIXED HEEL TYPE SWITCHES FOR DIAMONDS
WITH SLIPS.**

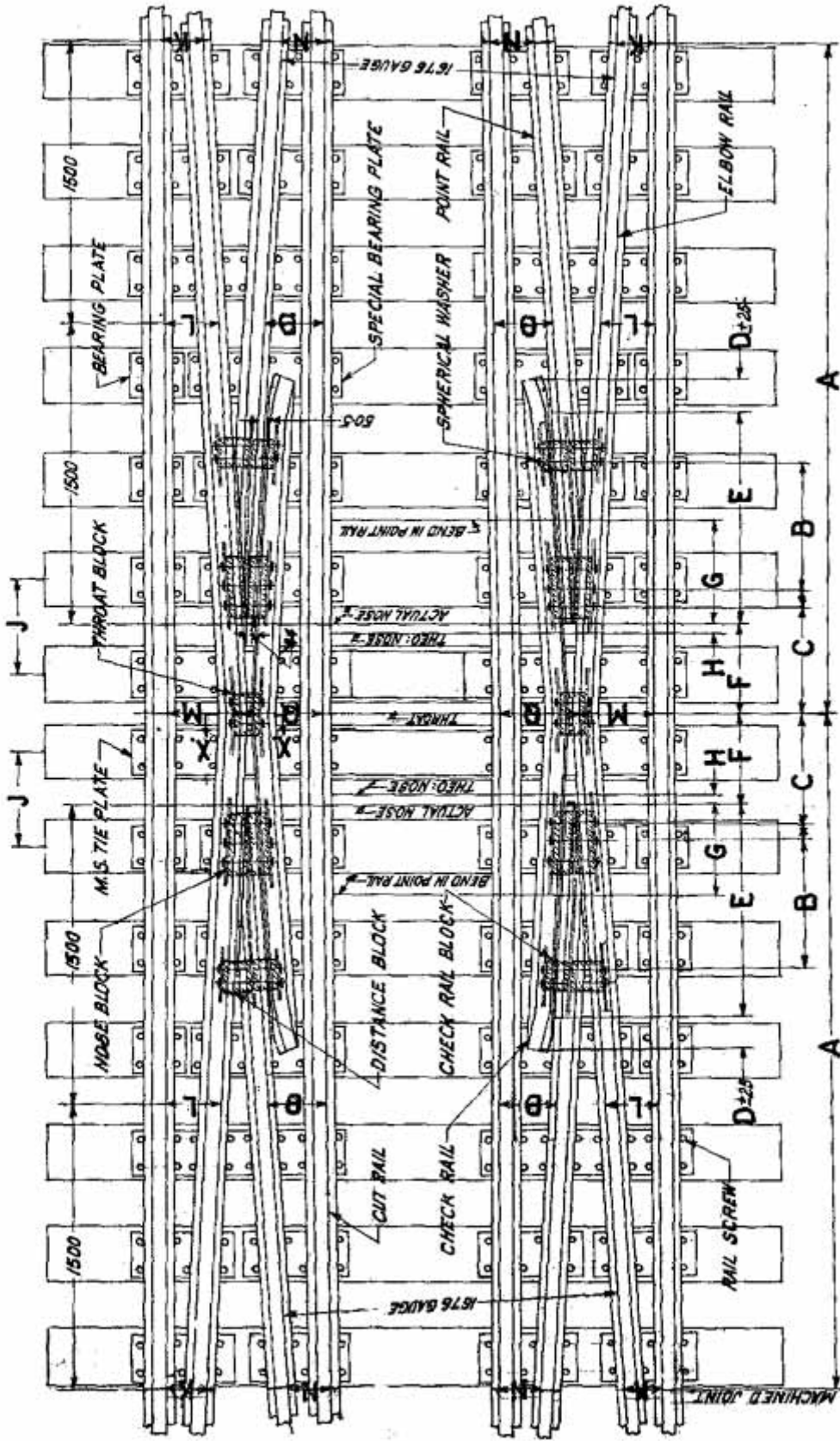


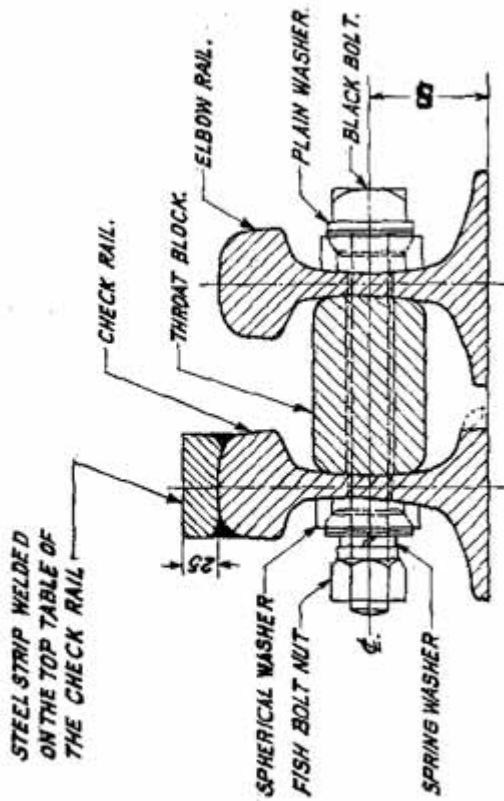
**SECTION ON X.X.
(AT HEEL)**

ENLARGED PLAN OF L.H. HEEL.

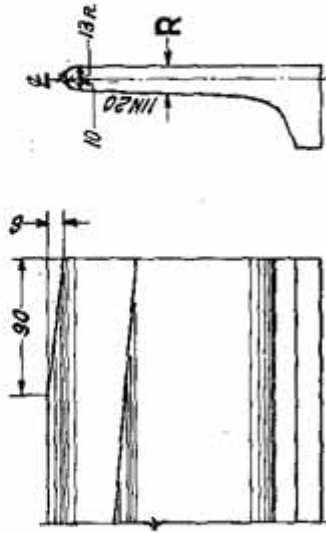
NOTE: SPHERICAL WASHERS IN THE INTERMEDIATE PORTION OF DIAMONDS WITH SINGLE OR DOUBLE SLIPS, SHOULD BE PROVIDED ON THE LEFT HAND SIDE OF THE FACING DIRECTION.

**TYPICAL 1 IN 8 1/2 OBTUSE CROSSING FOR DIAMONDS
WITH DOUBLE SLIPS B.G.**





SECTION ON X.X.



DETAIL OF NOSE OF CROSSING

TABLE OF DIMENSIONS

RAIL SECTION	ASSEMBLY DRG. NO.	DIMENSIONS (mm)																
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
UIC 60kg	TA 20267	3460	750	561	250	1009	461	530	85	485	209.5	280.5	363	208	276.5	369.5	16.5	76.25

TYPICAL 1 IN $8\frac{1}{2}$ OBTUSE CROSSING FOR DIAMONDS WITH DOUBLE SLIPS B. G.

