

NOTE:—THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

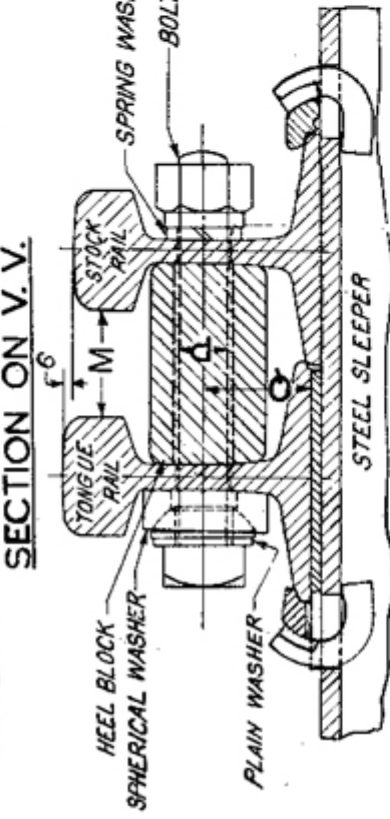
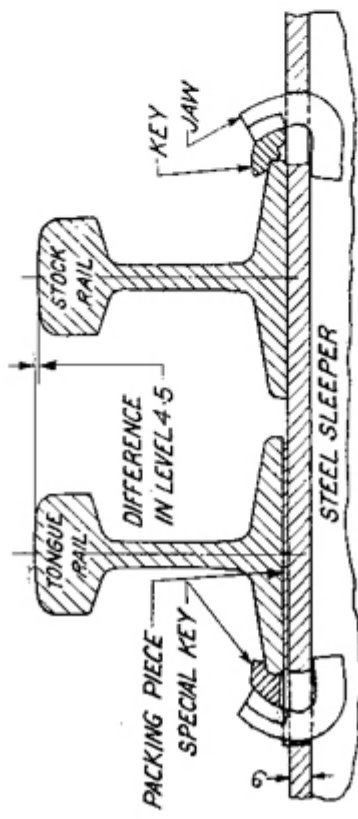
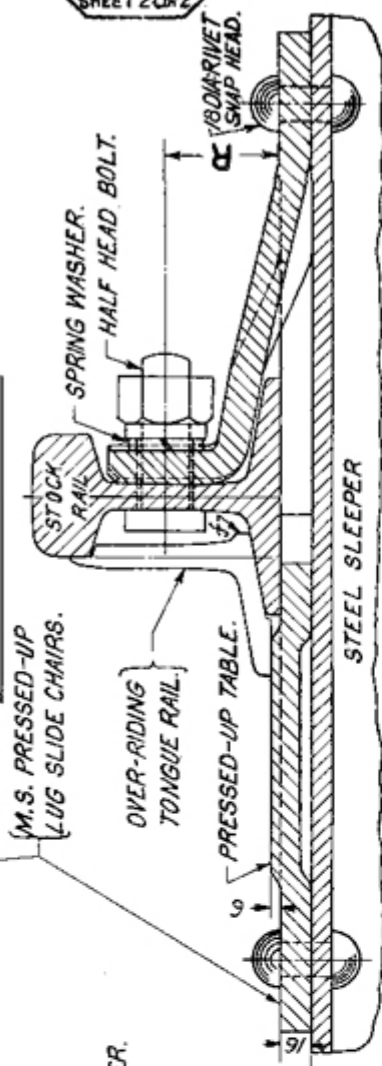
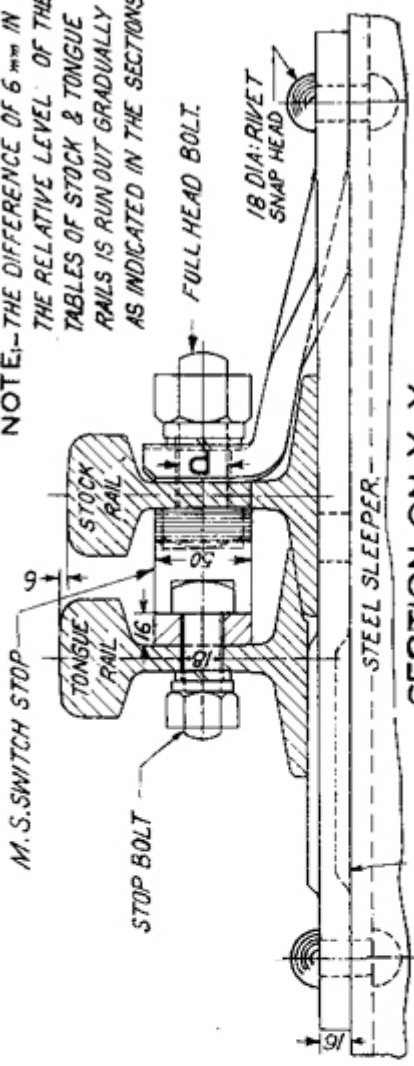


TABLE OF DIMENSIONS

RAIL SECTION	ASSEMBLY DRAWING N ^o	DIMENSIONS (mm)																
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R
75 R.	JA 20002	2720	2765	1000	900	900	700	900	690	1130	332	847	551	57.2	53.2	25	54	60
60 R.	JA 20011	2955	2530	900	900	900	840	1005	695	1255	295	651	59.8	62	58	22	41.5	53.5

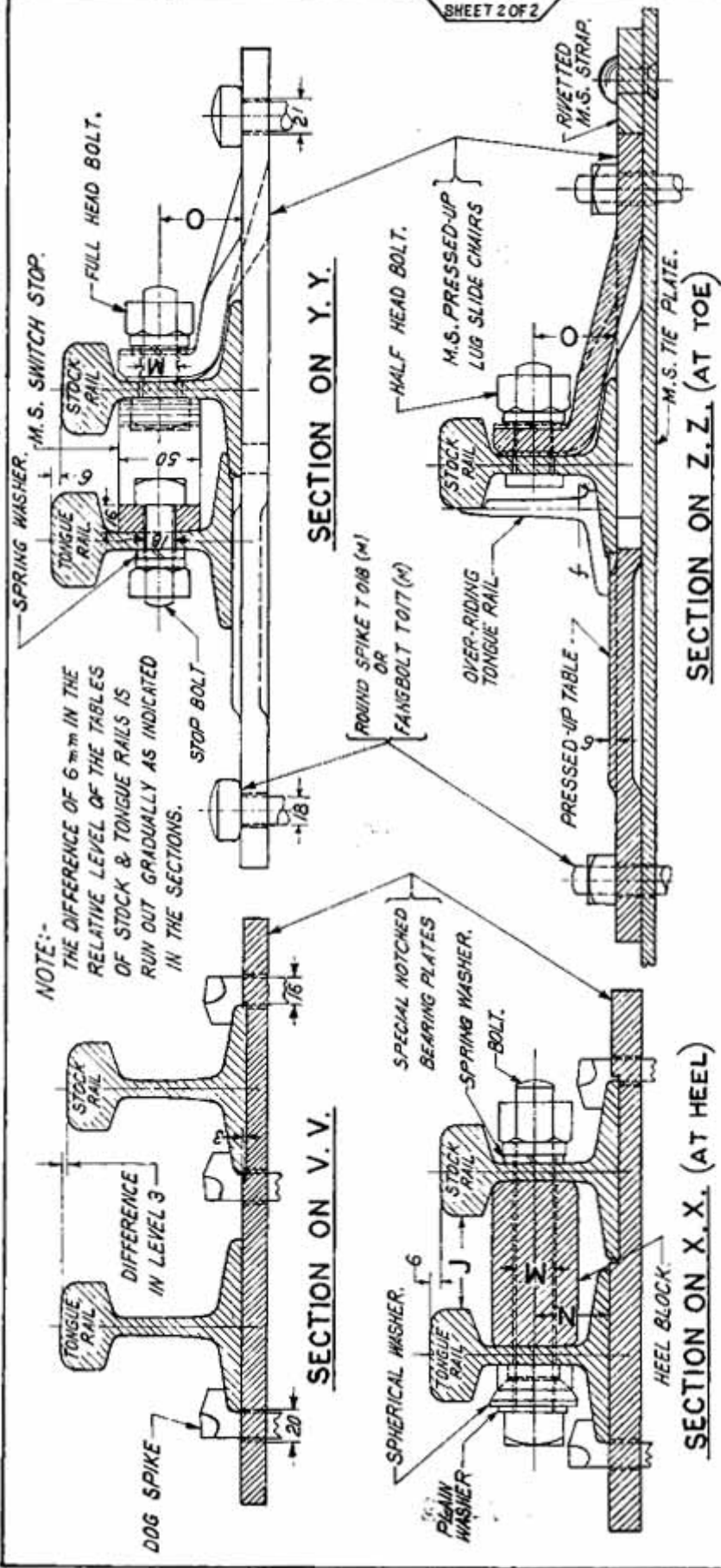
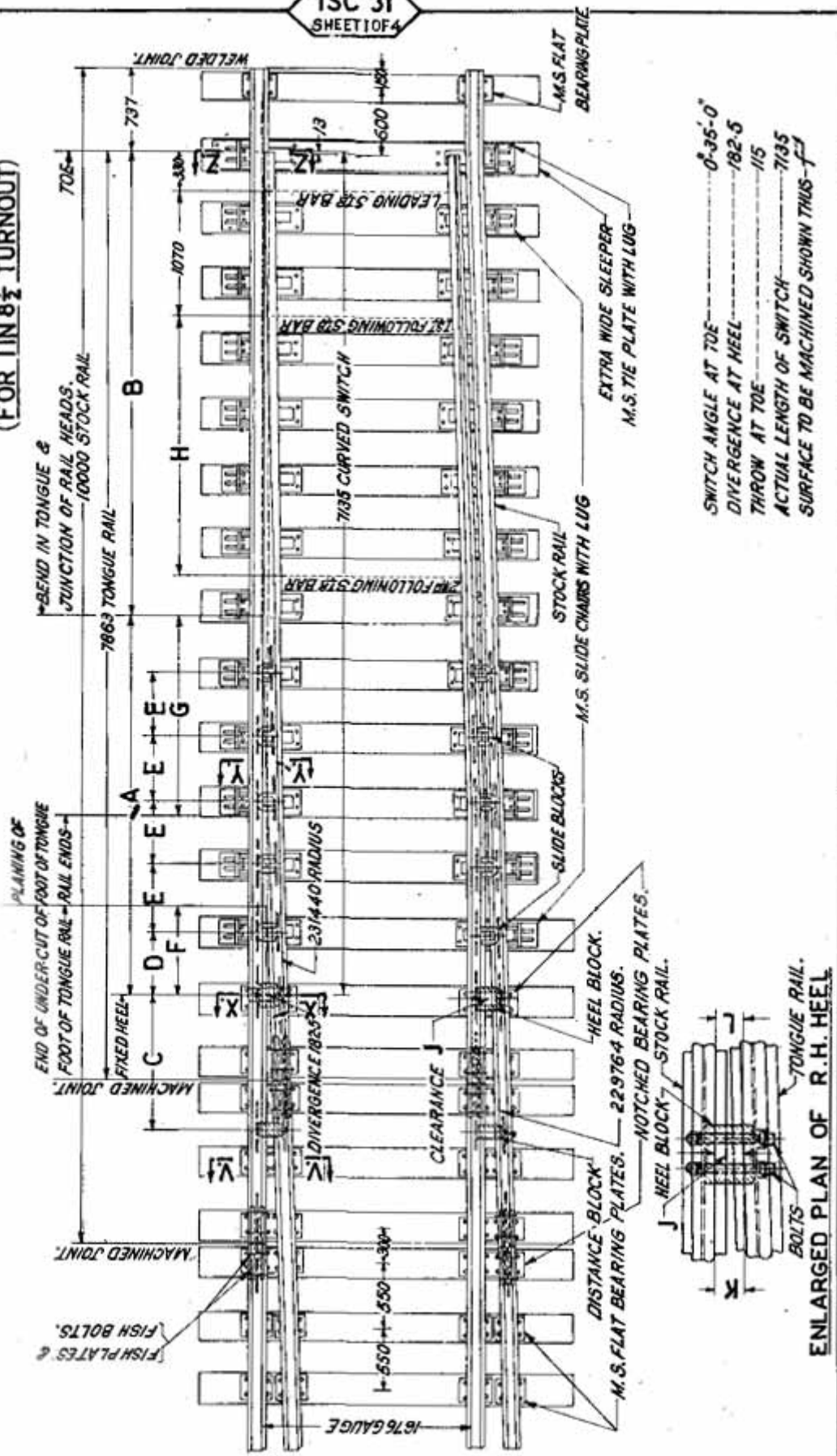


TABLE OF DIMENSIONS

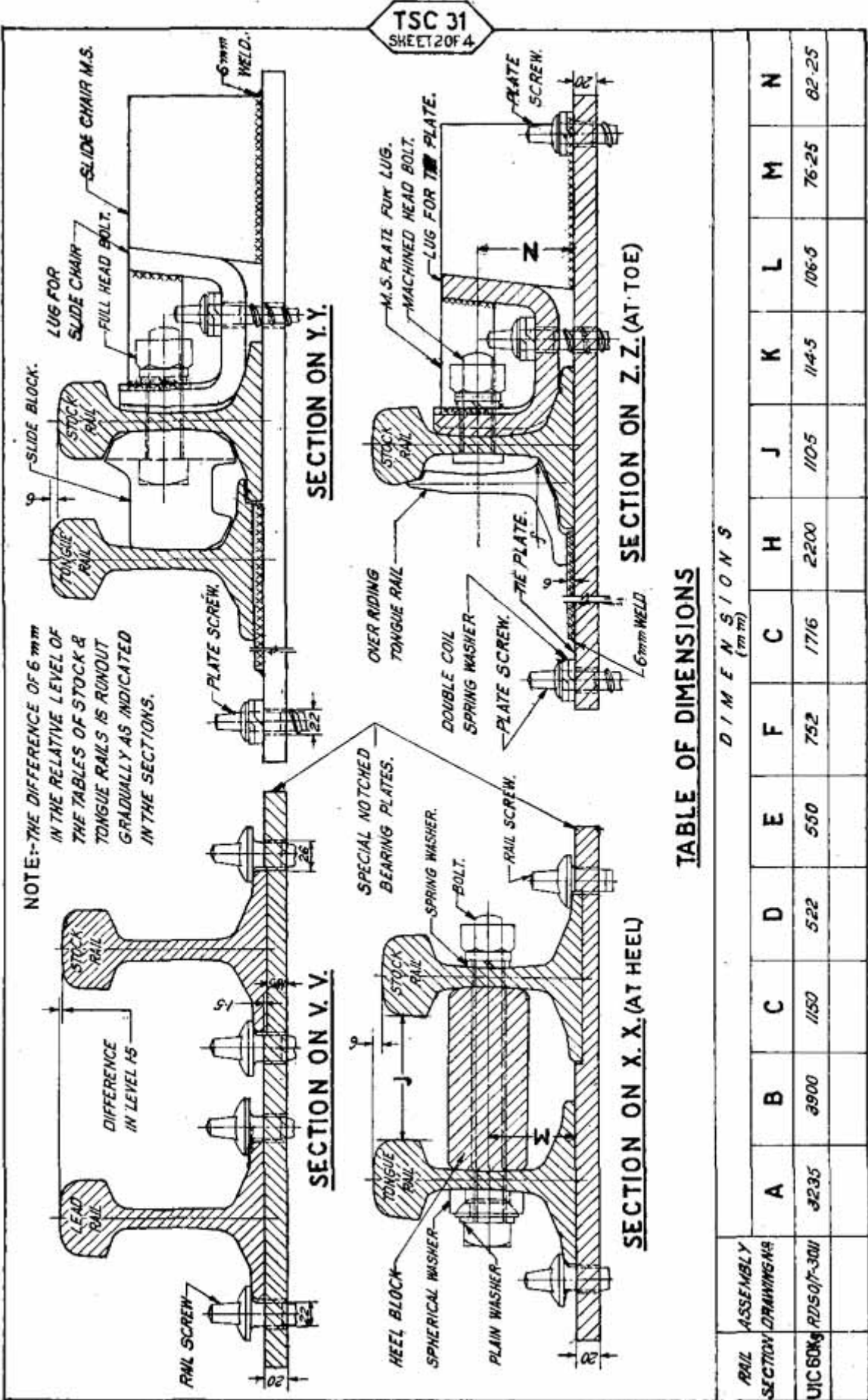
DIMENSIONS (mm)

RAIL ASSEMBLY SECTION DRAWING	A	B	C	D	E	F	G	H	J	K	L	M	N	O
60R/TA 20503	2955	2530	840	1005	695	1255	295	651	59.8	62	58	22	41.5	53.5

TYPICAL CURVED SWITCH B.G. (FOR 1 IN 8 1/2 TURNOUT)



SWITCH ANGLE AT TOE	0-35-0
DIVERGENCE AT HEEL	182-5
THROW AT TOE	115
ACTUAL LENGTH OF SWITCH	7135
SURFACE TO BE MACHINED SHOWN THUS	f

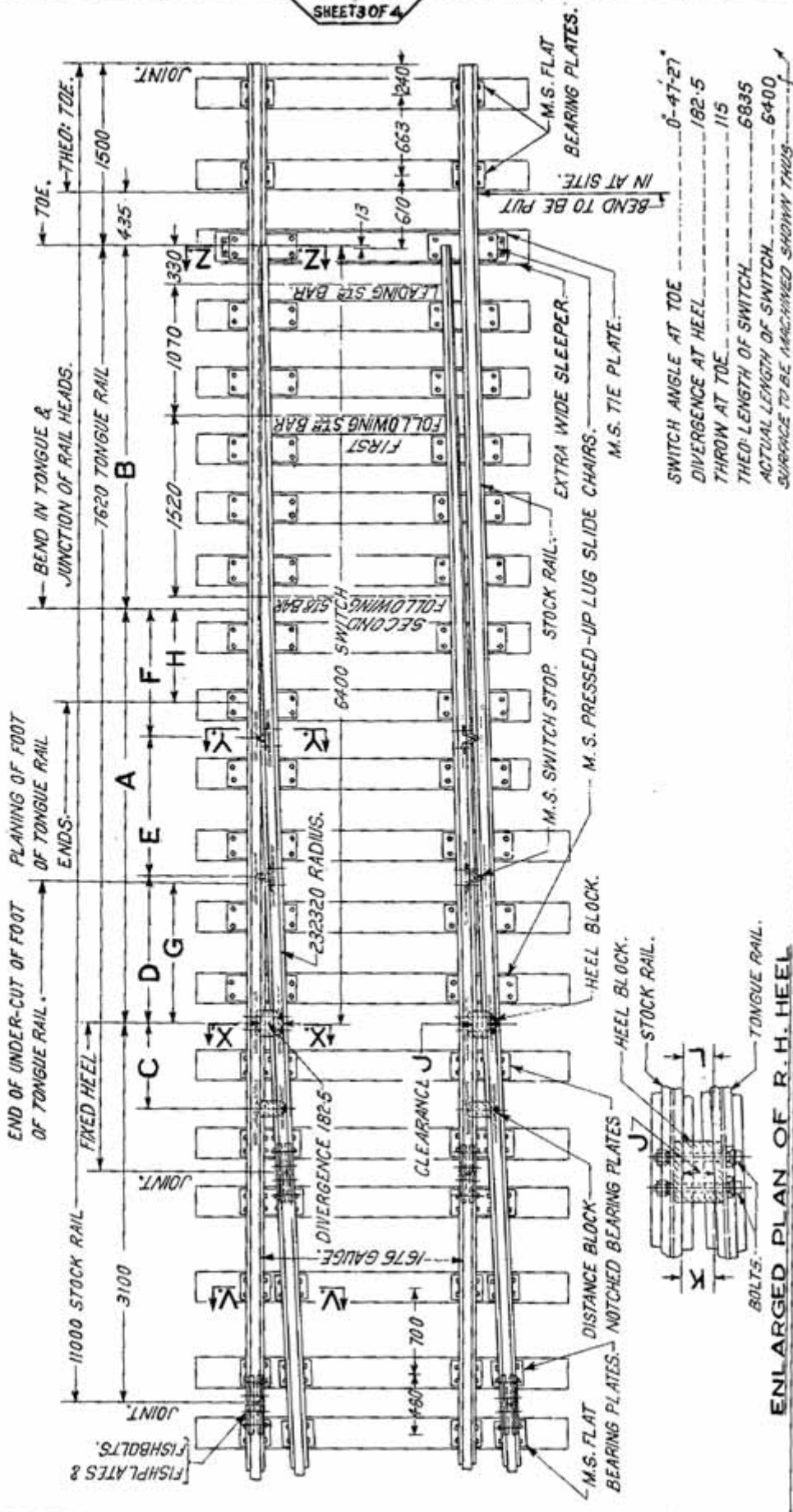


NOTE:- THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUNOUT GRADUALLY AS INDICATED IN THE SECTIONS.

TABLE OF DIMENSIONS

		DIMENSIONS (mm)												
RAIL ASSEMBLY SECTION DRAWINGS		A	B	C	D	E	F	C	H	J	K	L	M	N
UIC 60kg	RD50T-30U	3235	3900	1150	522	550	752	1716	2200	1105	1145	1065	7625	6225

TYPICAL CURVED SWITCH B. G. (FOR 1 IN 8½ TURNOUTS)



ENLARGED PLAN OF R.H. HEEL

NOTE:— THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

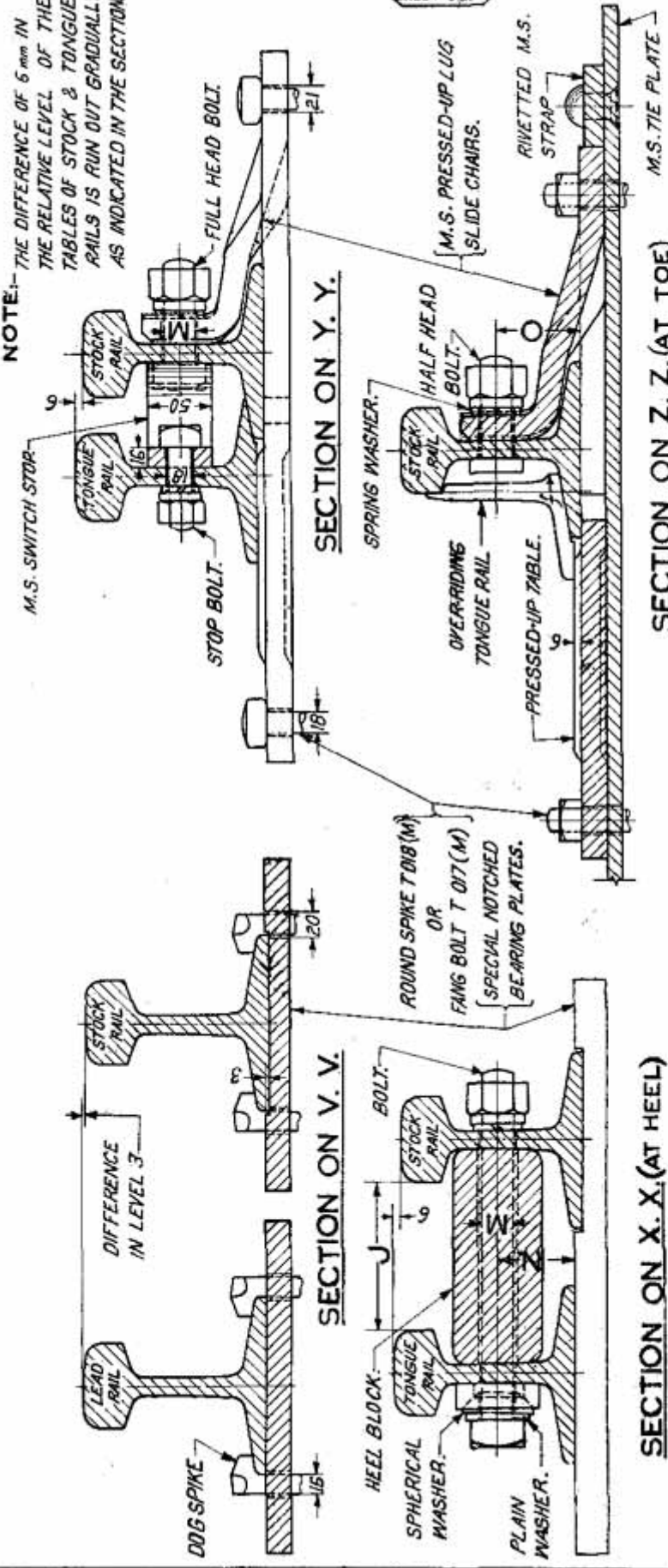
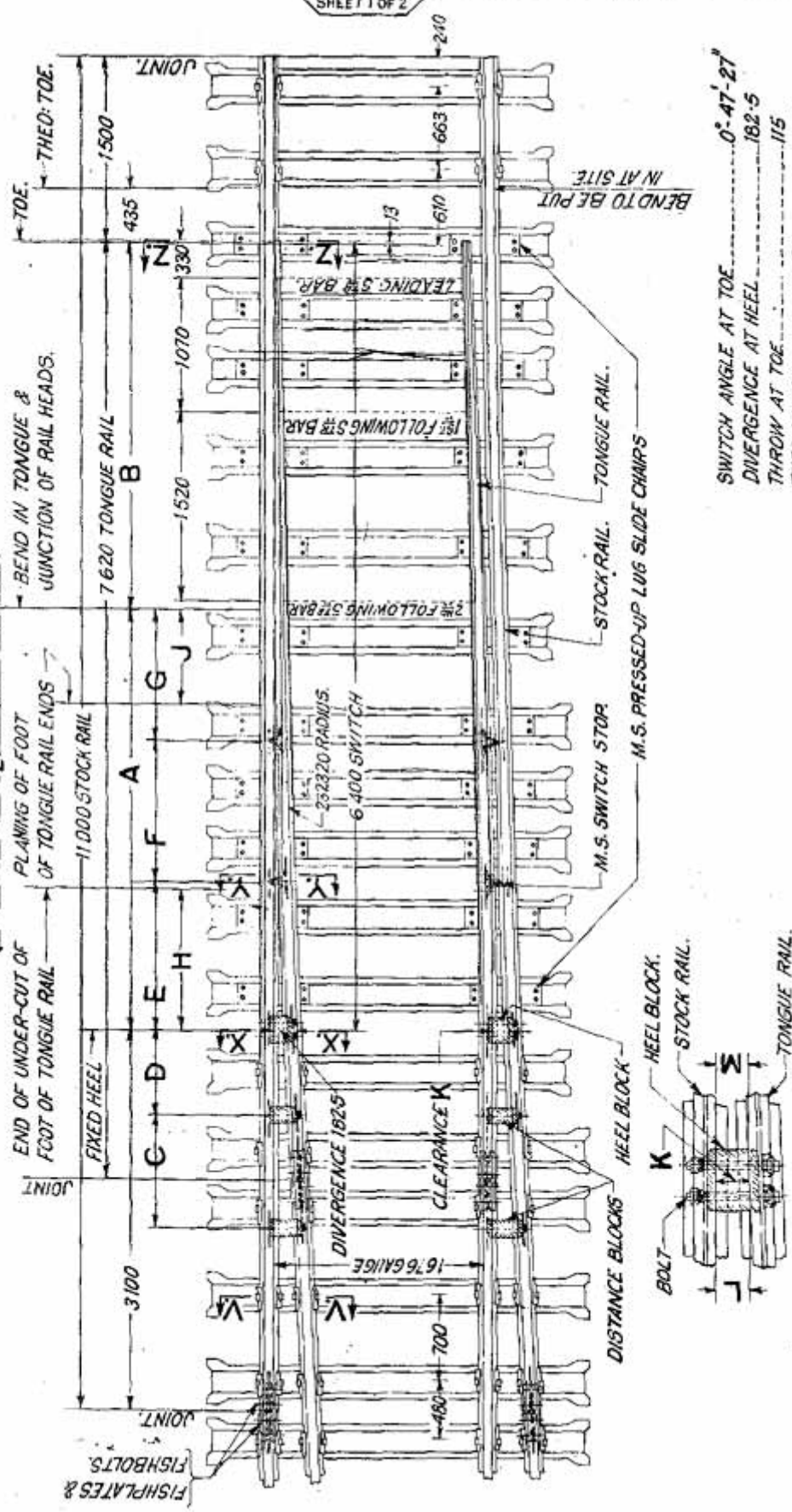


TABLE OF DIMENSIONS

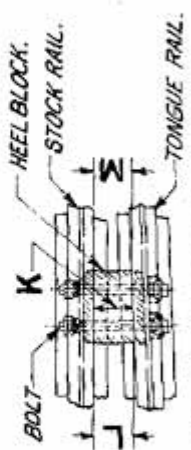
RAIL ASSEMBLY SECTION DRAWING No.	DIMENSIONS (in mm)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	O
52 Kg TA 20197	3395	3005	700	1175	1170	1050	1160	1500	115.5	119.5	111.5	25	67	73
90 R. TA 20149	3408	2992	700	1208	1150	1050	1147	773	115.8	120.2	111.2	25	60	66

TYPICAL CURVED SWITCH B.G. WITH STEEL SLEEPERS.

(FOR 1 IN 8 1/2 TURNOUTS)

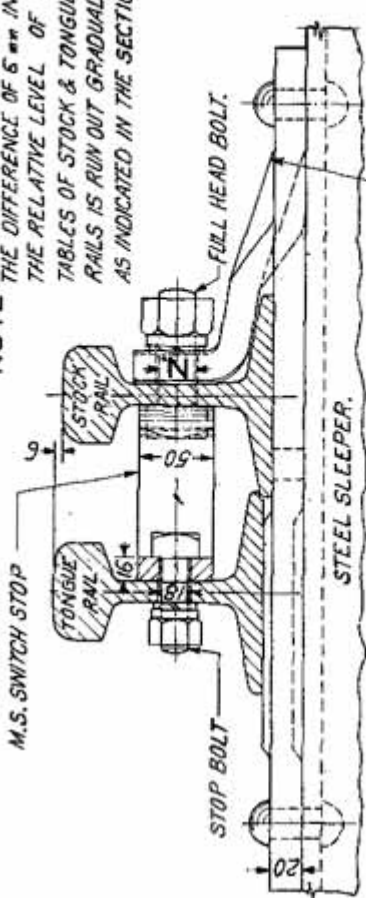


SWITCH ANGLE AT TOE	0° 47' 27"
DIVERGENCE AT HEEL	182.5
THROW AT TOE	115
THEO: LENGTH OF SWITCH	6835
ACTUAL LENGTH OF SWITCH	6400
SURFACE TO BE MACHINED SPOONY THUS	6400

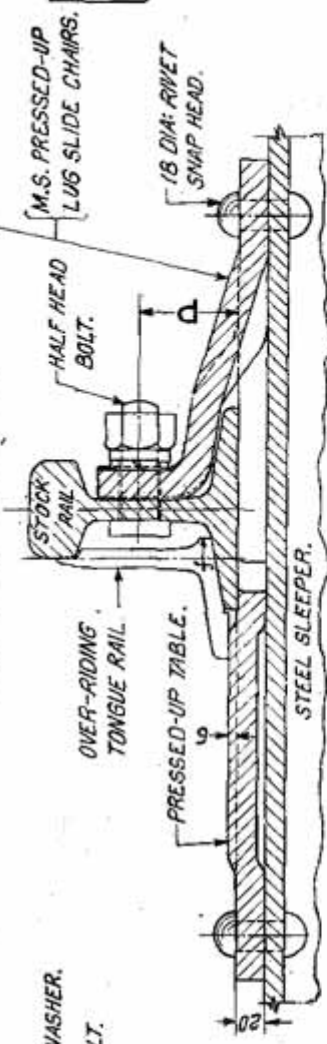


ENLARGED PLAN OF R. H. HEEL.

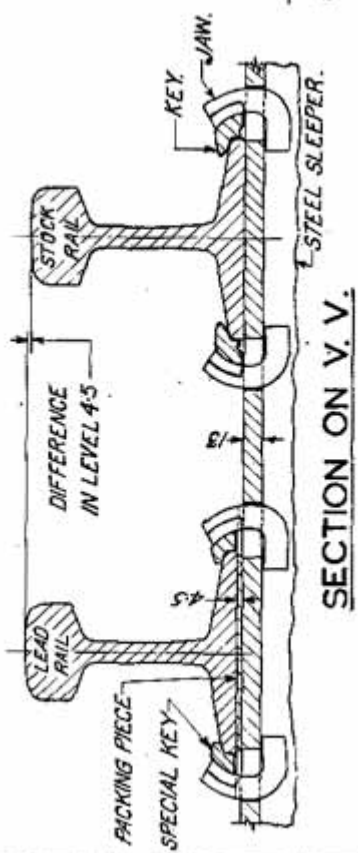
NOTE - THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.



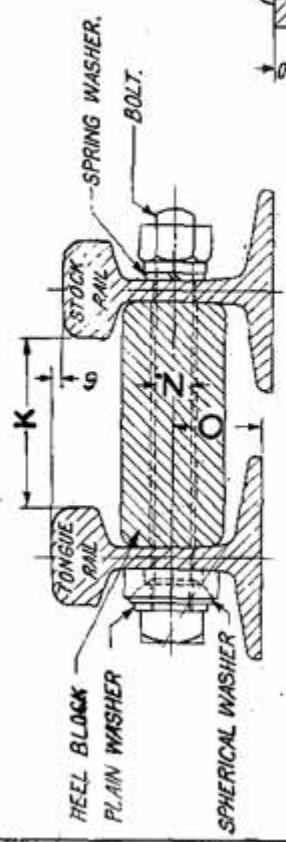
SECTION ON Y. Y.



SECTION ON Z. Z. (AT TOE)



SECTION ON V. V.



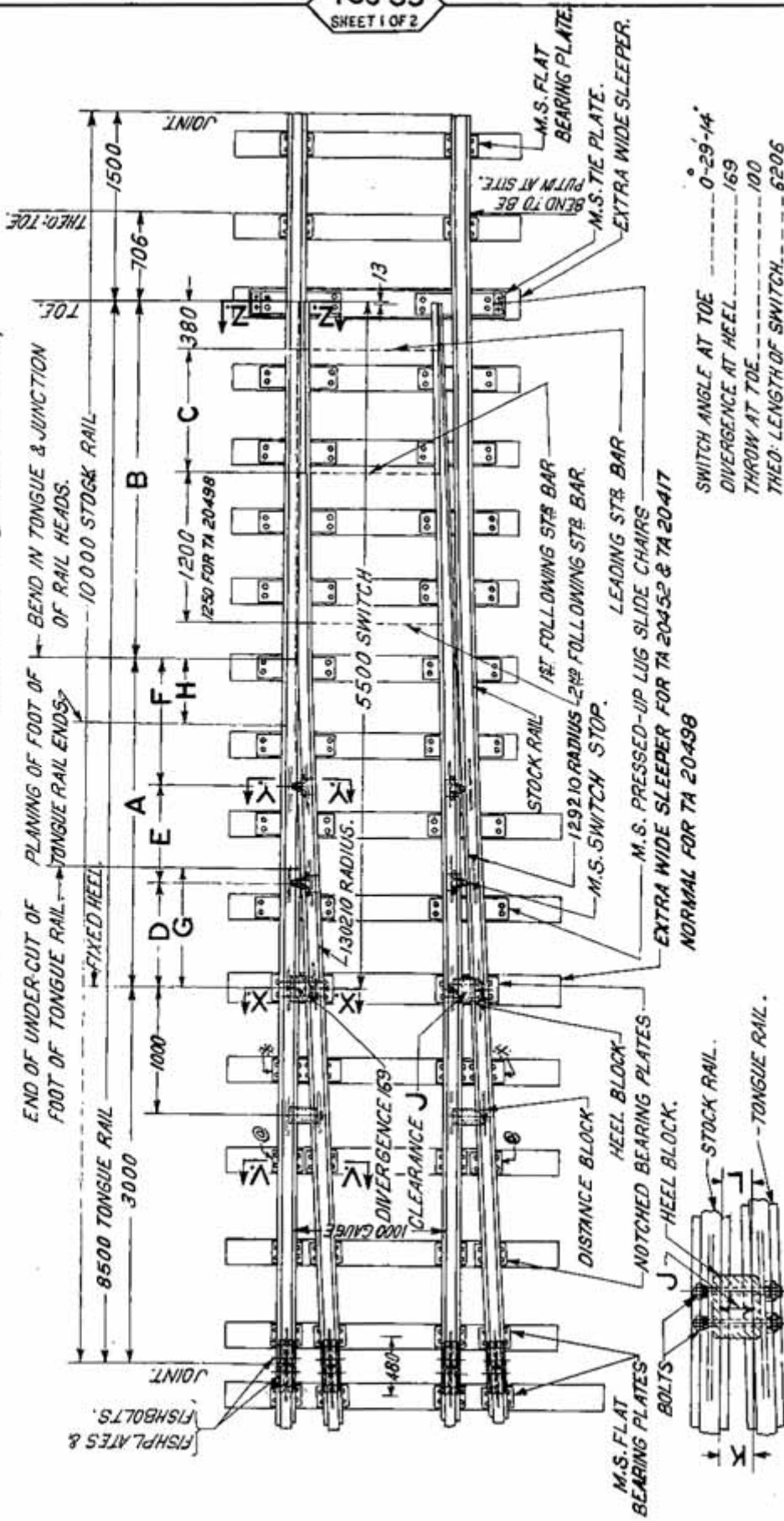
SECTION ON X. X. (AT HEEL)

TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO.	DIMENSIONS (mm)														
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
52 Kg TA 20836	3395	3005	-	700	1175	1170	1050	1160	1500	115.5	119.5	111.5	25	67	73
90 R. TA 20823	3408	2992	900	700	1208	1150	1050	1147	773	115.8	120.2	111.2	25	60	66

TYPICAL CURVED SWITCH M. G. (FOR 1 IN 8 1/2 TURNOUTS)

NOTE:- BEARING PLATES MARKED THUS... * & @ ARE SIX HOLED AND COMBINED BEARING PLATES RESPECTIVELY FOR TA 20498.



SWITCH ANGLE AT TOE	0-29-14"
DIVERGENCE AT HEEL	169
THROW AT TOE	100
THEO: LENGTH OF SWITCH	6206
ACTUAL LENGTH OF SWITCH	5500
SURFACE TO BE MACHINED SHOWN THUS... f	

ENLARGED PLAN OF R. H. HEEL

NOTE: THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

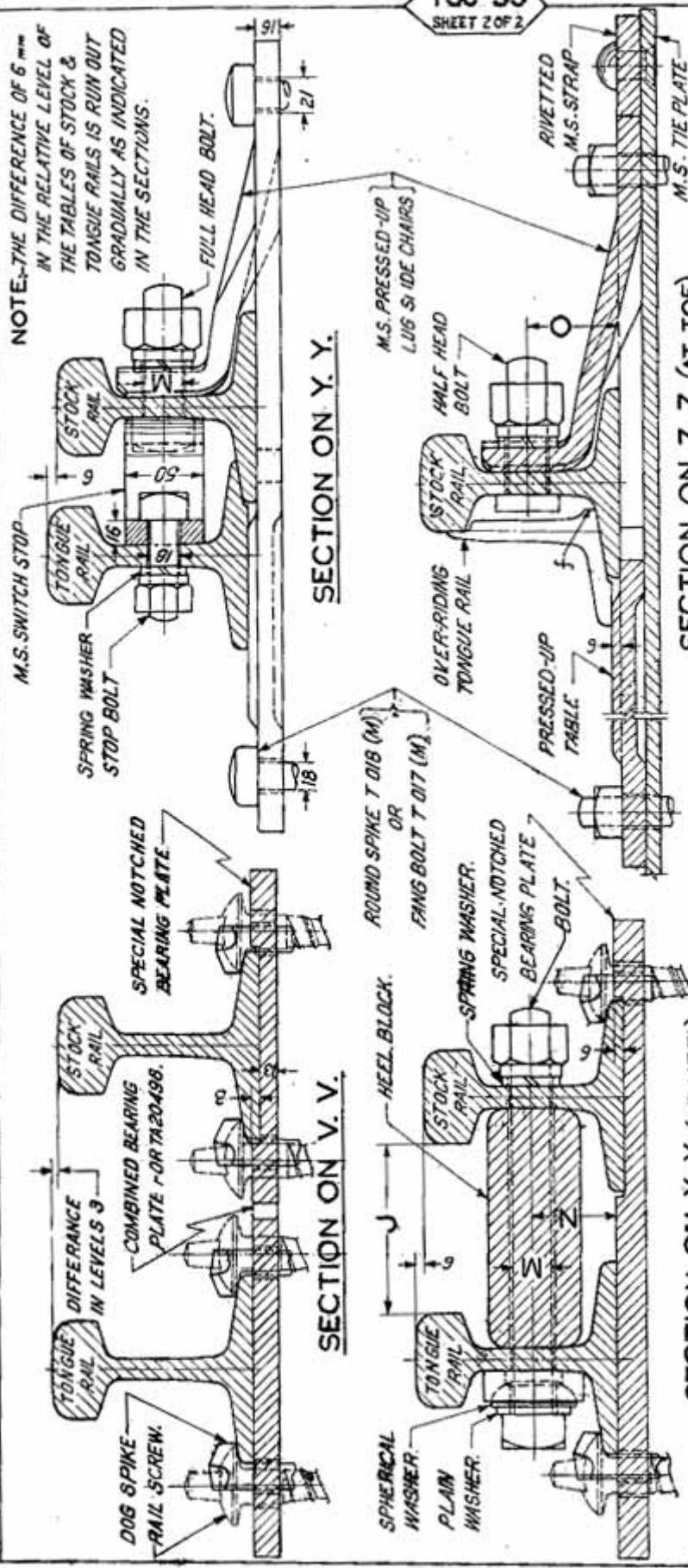


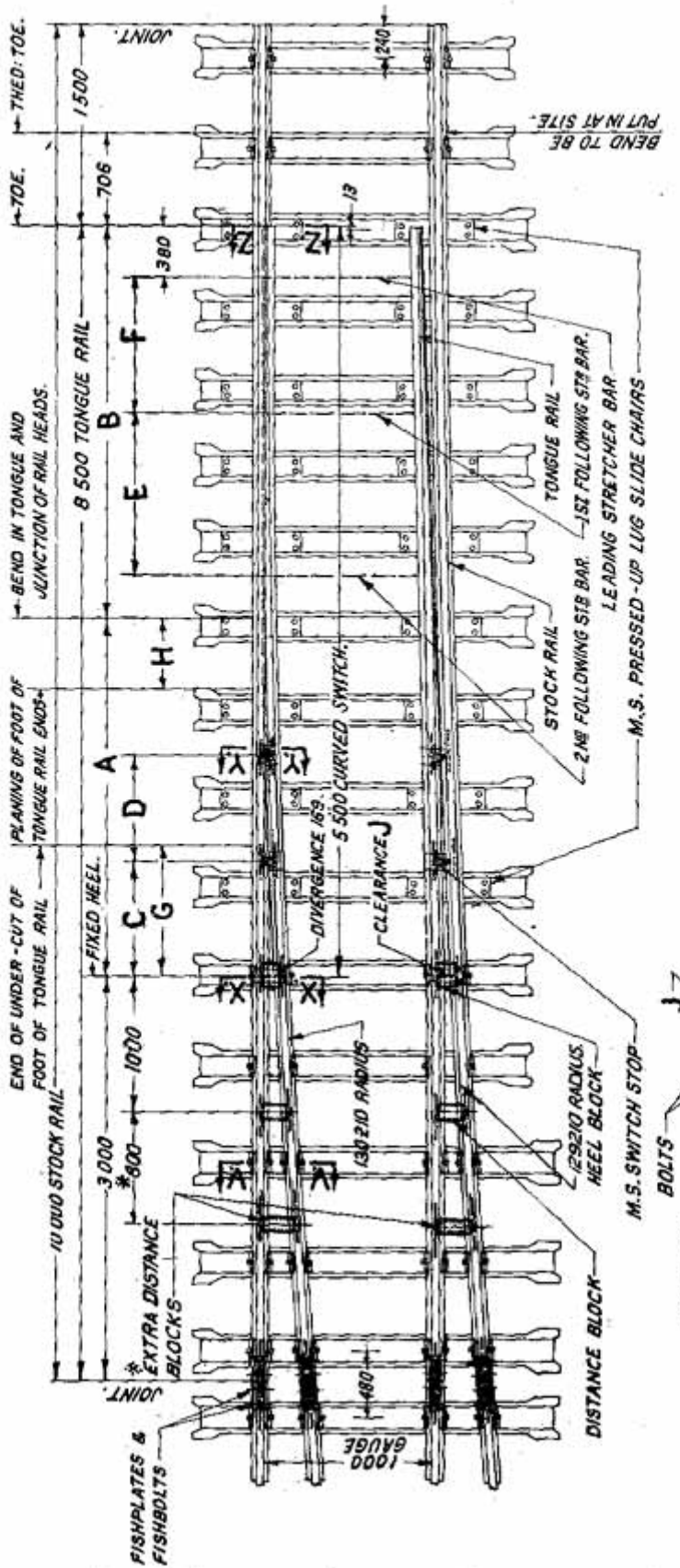
TABLE OF DIMENSIONS

(in mm)

RAIL SECTION	ASSEMBLY DRAWING	A	B	C	D	E	F	G	H	J	K	L	M	N	O
90 R.	TA 20498	2481	3019	1000	827	780	674	640	641	10232	1075	9732	25	60	66
75 R.	TA 20452	2634	2866	990	849	775	1010	960	527	1071	1122	1022	25	54	60
60 R.	TA 20417	2793	2707	880	893	800	1100	1261	426	1118	117	107	22	41.5	53.5

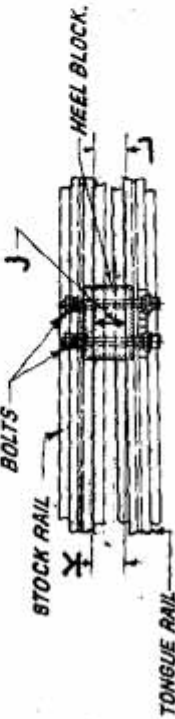
NOTE: DOG SPIKES/ROUND SPIKES FOR TA 20452 & TA 20417 RAIL SCREWS/PLATE SCREWS FOR TA 20498

TYPICAL CURVED SWITCH M.G. WITH STEEL SLEEPERS.
(FOR 1 IN 8½ TURNOUTS)



SWITCH ANGLE AT TOE	0°-29'-14"
DIVERGENCE AT HEEL	169
THROW AT TOE	100
THEO: LENGTH OF SWITCH	6 206
ACTUAL LENGTH OF SWITCH	5 500

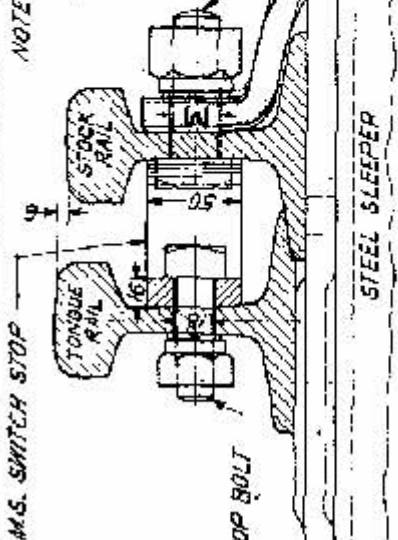
SURFACE TO BE MACHINED SHOWN THUS -f-



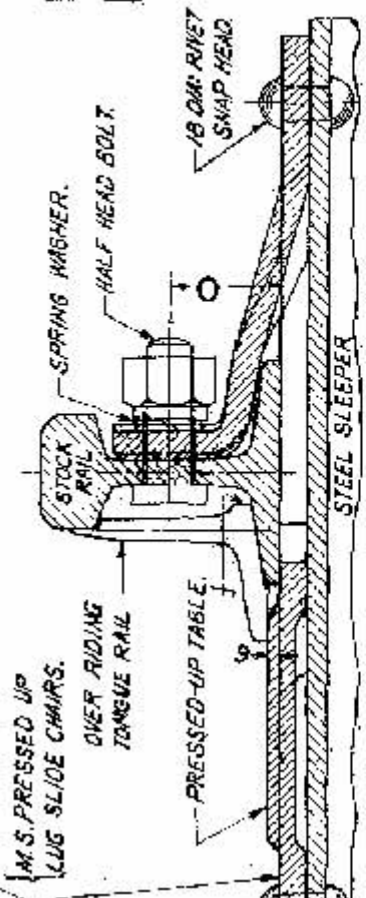
ENLARGED PLAN OF R.H. HEEL

NOTE:-
EXTRADISTANCE BLOCKS FOR TA 21026 ONLY. POSITION AND NUMBER OF SLEEPERS CHANGED FOR TA 21026.

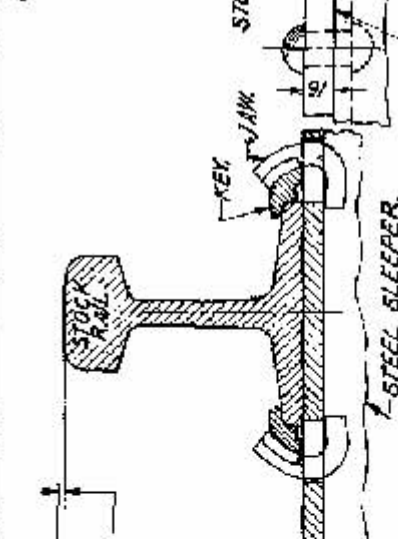
NOTE-
THE DIFFERENCE OF 5TH IN
THE TABLES OF STOCK &
TONGUE RAILS IS RUNOUT
GRADUALLY AS INDICATED IN
THE SECTIONS.



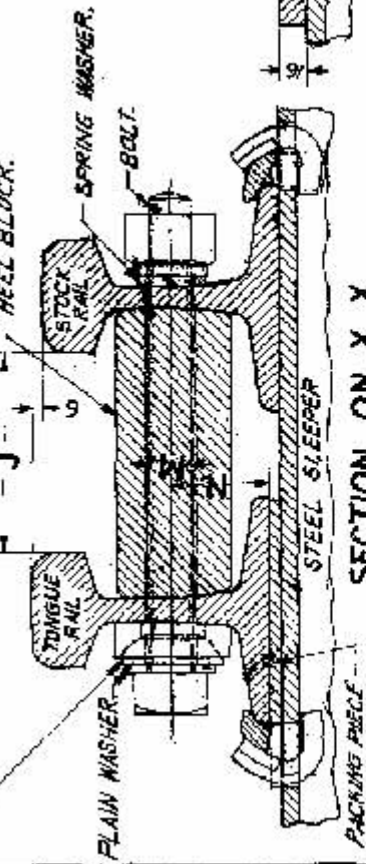
SECTION ON Y. Y.



SECTION ON Z. Z. (AT TOE)



SECTION ON V. V.



SECTION ON X. X. (AT HEAD)

DIMENSIONS (mm)

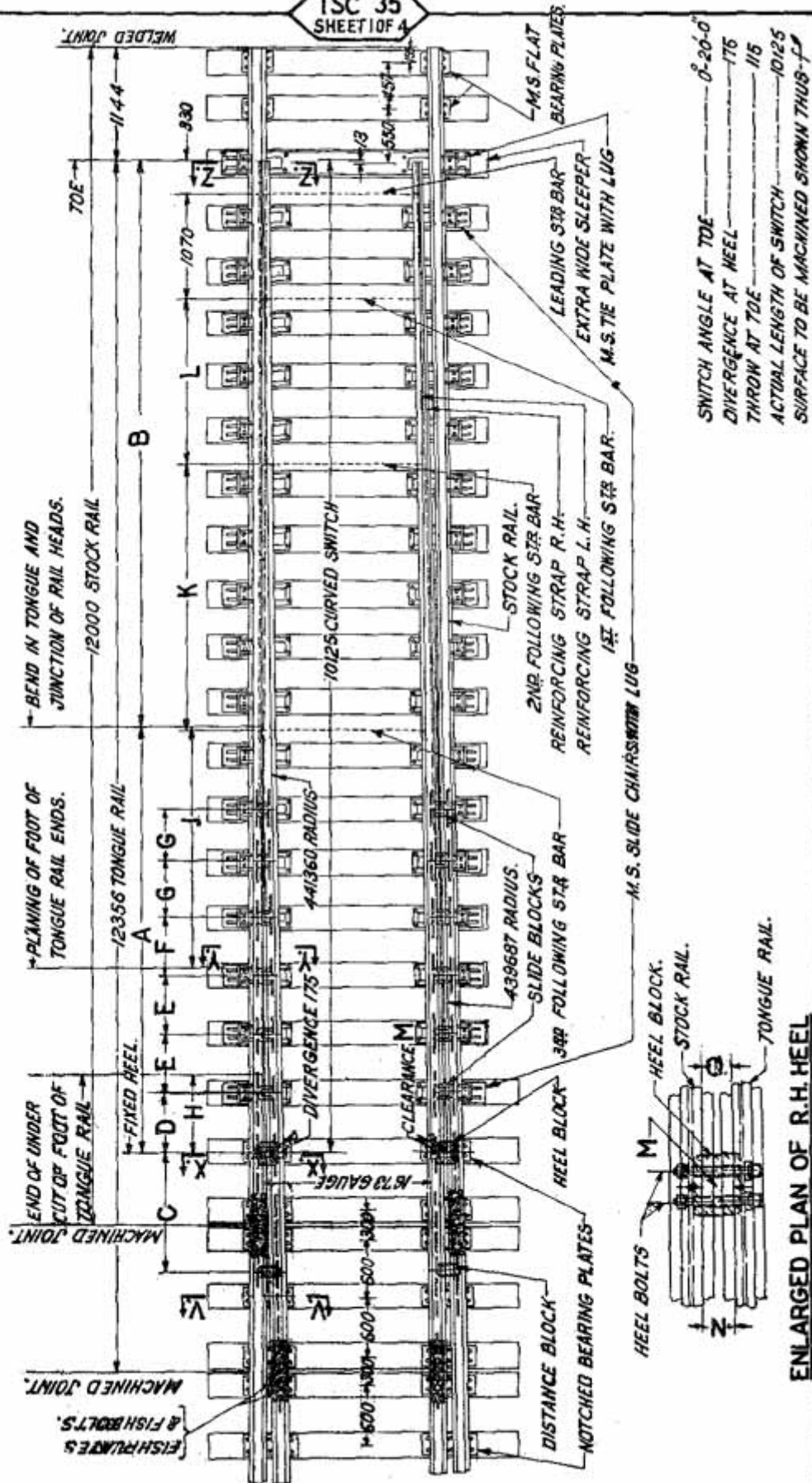
RAIL ASSEMBLY SECTION DRAWING NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	O
BUR. TA 21020	2481	3019	827	780	1850	1000	640	641	102.32	107.32	97.32	25	60	66
YSR. TA 21020	2534	2865	840	803	1200	890	980	527	107.1	112.2	102.2	25	54	60

TYPICAL CURVED SWITCH B.G.

(FOR 1 IN 12 TURNOUT)

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SHEET 1 OF 4

NOTE - OPERATION OF SWITCH AT TWO PLACES I.E.
LEADING AND 3RD FOLLOWING STR BARS.



SWITCH ANGLE AT TDE ----- 0°-20'-0"
 DIVERGENCE AT HEEL ----- 1/16"
 THROW AT TDE ----- 1/16"
 ACTUAL LENGTH OF SWITCH ----- 10125"
 SURFACE TO BE MACHINED SHOWN THUS - F

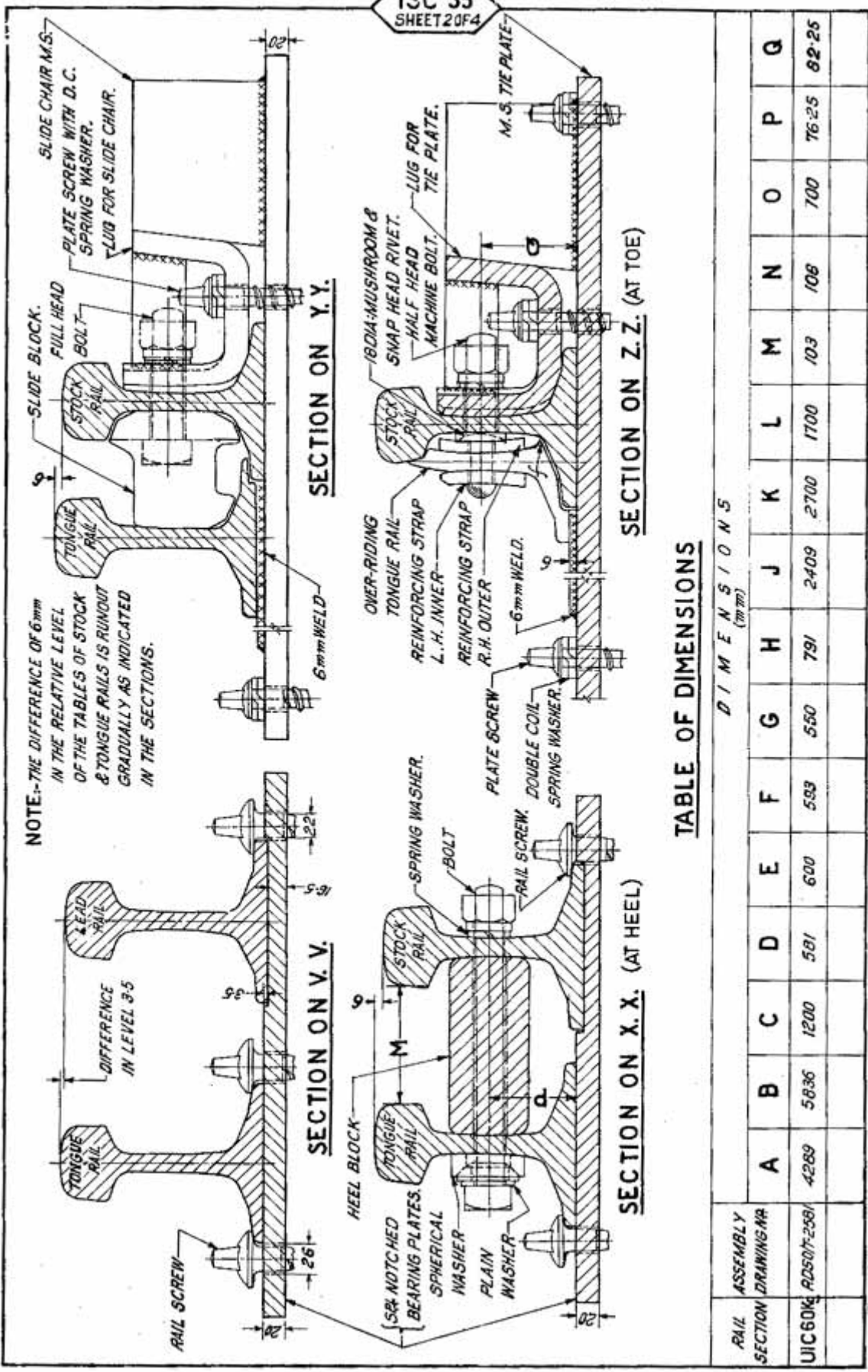
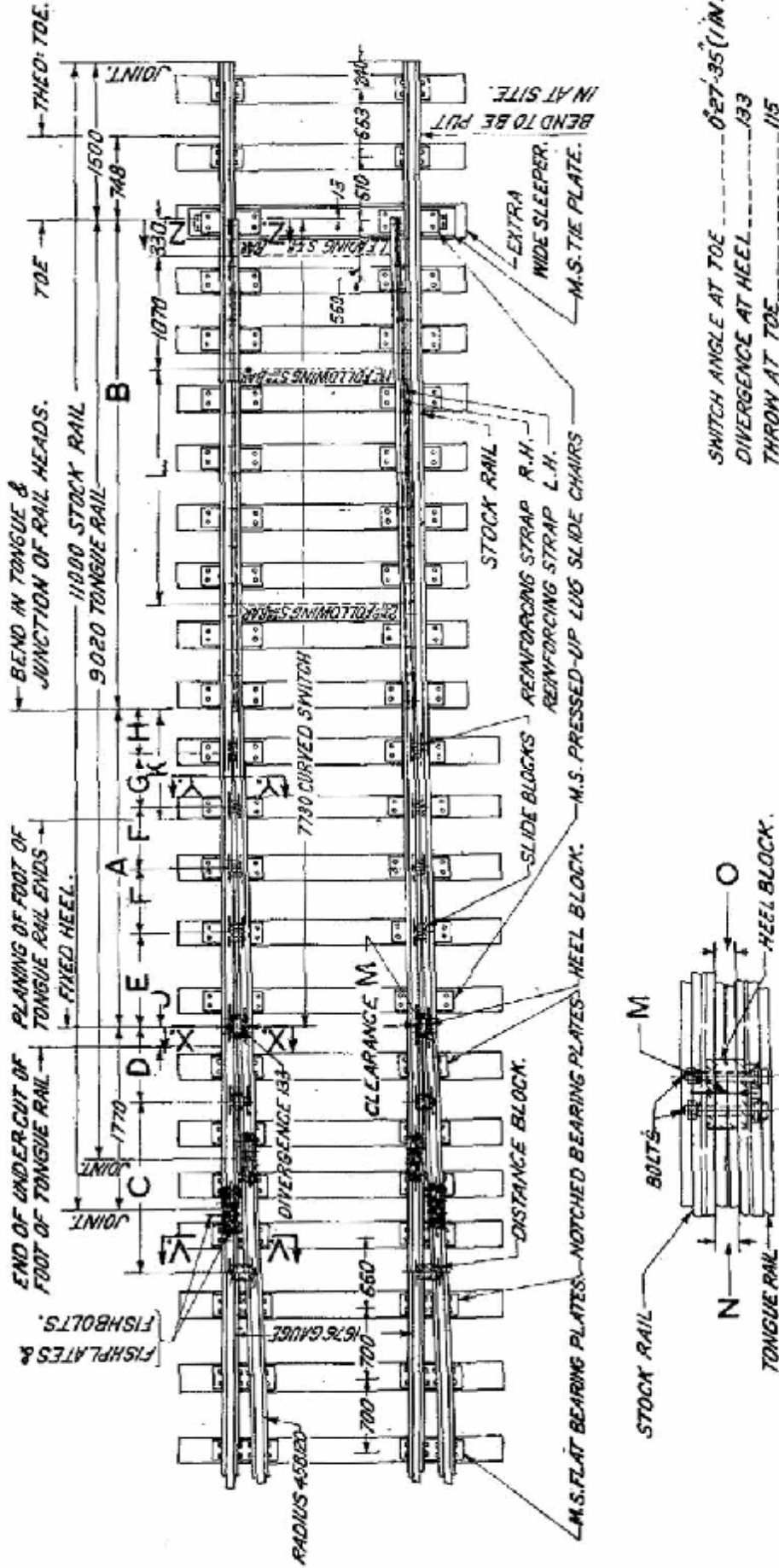


TABLE OF DIMENSIONS

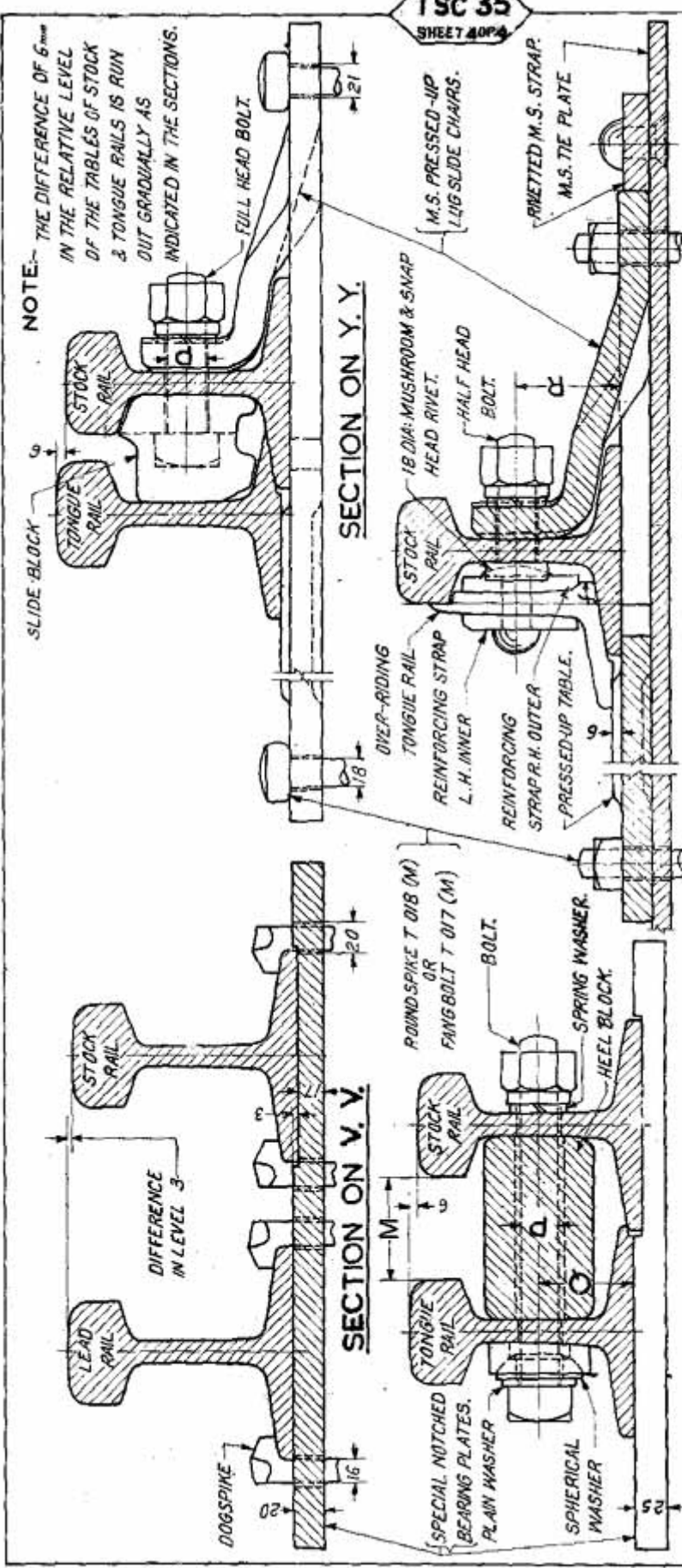
RAIL SECTION ASSEMBLY DRAWING NR		DIMENSIONS (mm)															
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
UIC 60k	RD507-248/	4269	5836	1200	581	600	589	550	791	2409	2700	1700	103	108	700	7625	8225

TYPICAL CURVED SWITCH B. G. (FOR 1 IN 12 TURNOUTS)



SWITCH ANGLE AT TOE 0°27'35" (1 IN 12 1/2)
 DIVERGENCE AT HEEL 1:83
 THROW AT TOE 115
 THEO: LENGTH OF SWITCH 8478
 ACTUAL LENGTH OF SWITCH 7730
 SURFACE TO BE MACHINED SHOWN THUS f

ENLARGED PLAN OF R. H. HEEL



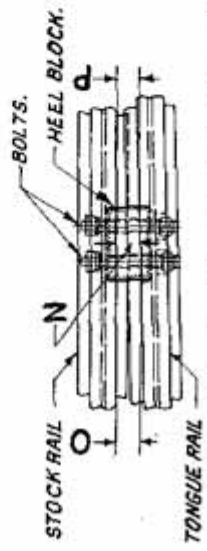
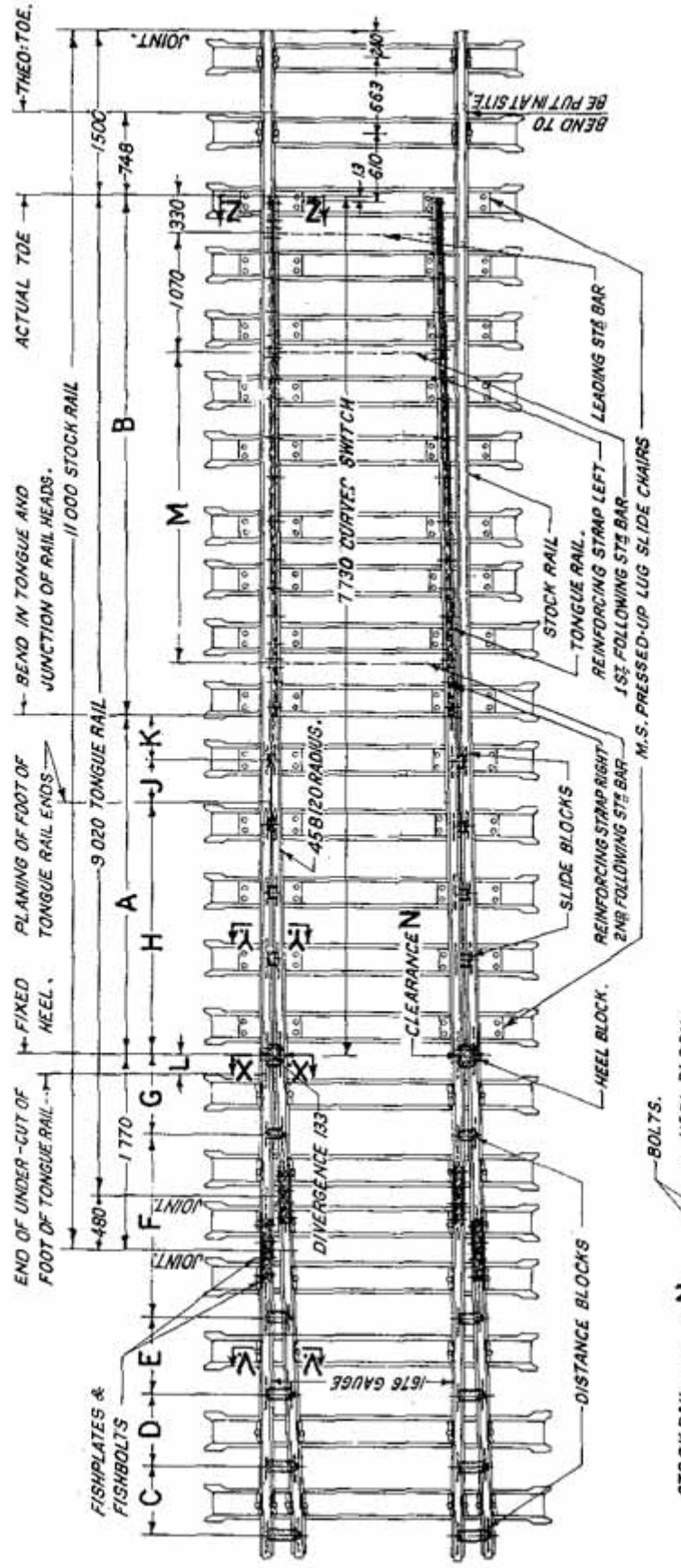
SECTION ON X.X.(AT HEEL) SECTION ON Z.Z.(AT TOE)

TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO.	DIMENSIONS (mm)																		
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R		
52 kg TA 20172	3061	4669	1610	730	877	610	580	384	180	2184	2800	65	68.5	63.5	25	67	73		
90 R. TA 20126	3079	4651	1610	730	877	610	580	402	201	1130	2800	66.3	68.7	63.7	25	60	66		

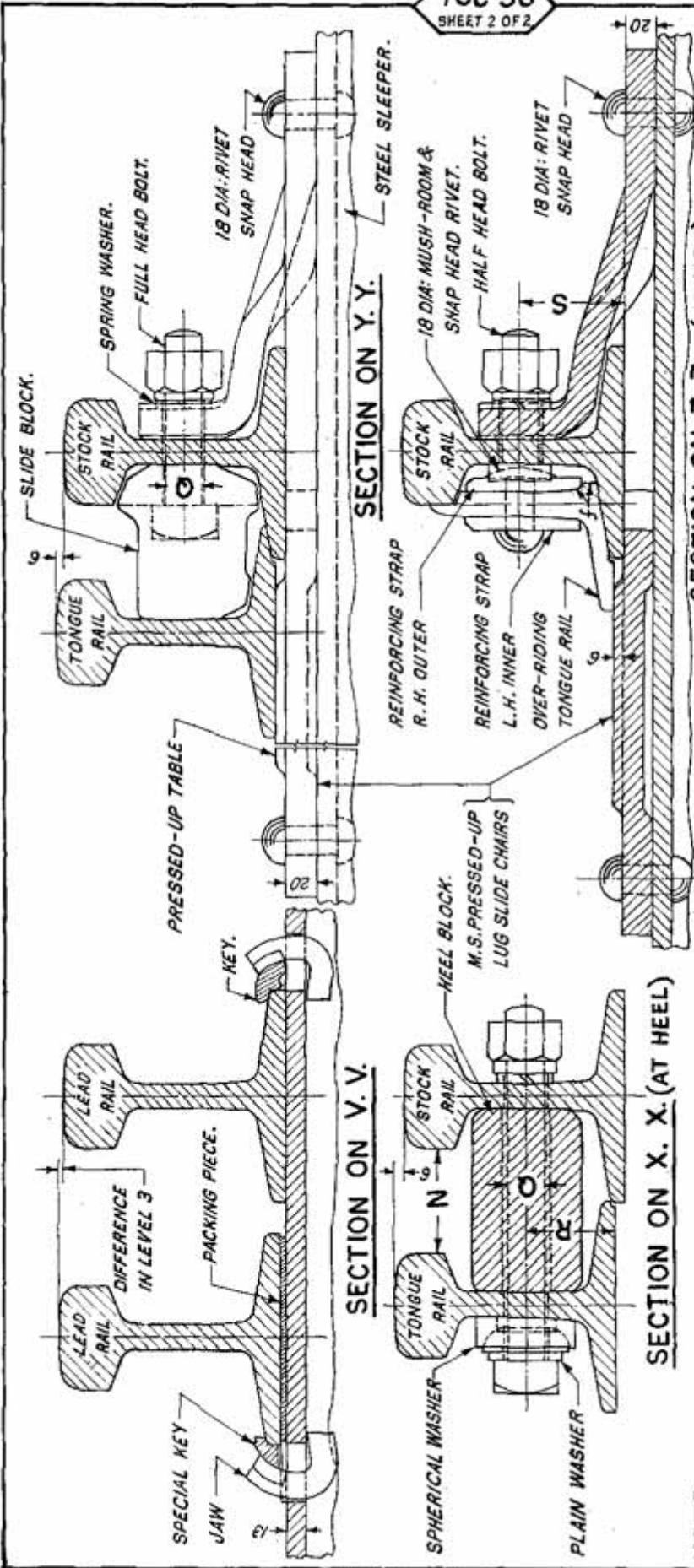
TYPICAL CURVED SWITCH B. G. WITH STEEL SLEEPERS.
(FOR 1 IN 12 TURNOUTS)

NOTE:- OPERATION OF SWITCH AT TWO PLACES i.e. LEADING AND 2ND FOLLOWING STRETCHER BARS.



SWITCH ANGLE AT TOE..... 0°-27'-35" (1/125)
 DIVERGENCE AT HEEL..... 1:33
 THROW AT TOE..... 115
 THEO: LENGTH OF SWITCH..... 8478
 ACTUAL LENGTH OF SWITCH..... 7730
 SURFACE TO BE MACHINED SHOWN THUS..... f

ENLARGED PLAN OF R.H. HEEL.



NOTE:- THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

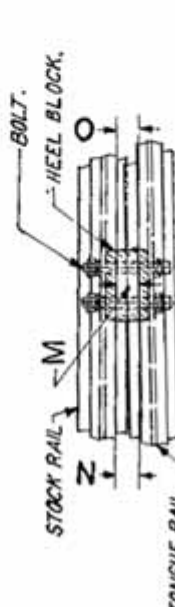
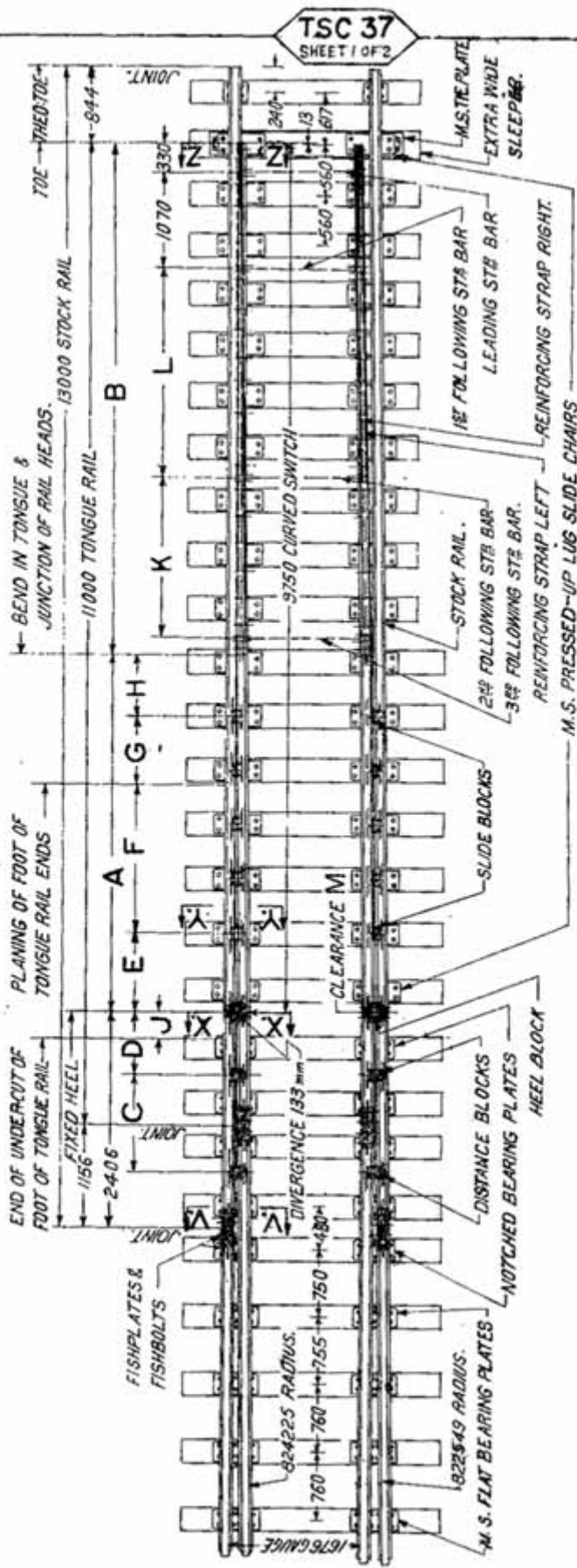
TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO.	DIMENSIONS (mm)																	
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
52kg T 20832	3 061	4 669	625	635	715	1 612	730	877	1 800	384	180	2 800	66	68.5	63.5	25	67	73
90R. T 20840	3 079	4 651	625	650	730	1 610	730	1 949	488	642	201	2 800	66.3	68.7	63.7	25	60	66

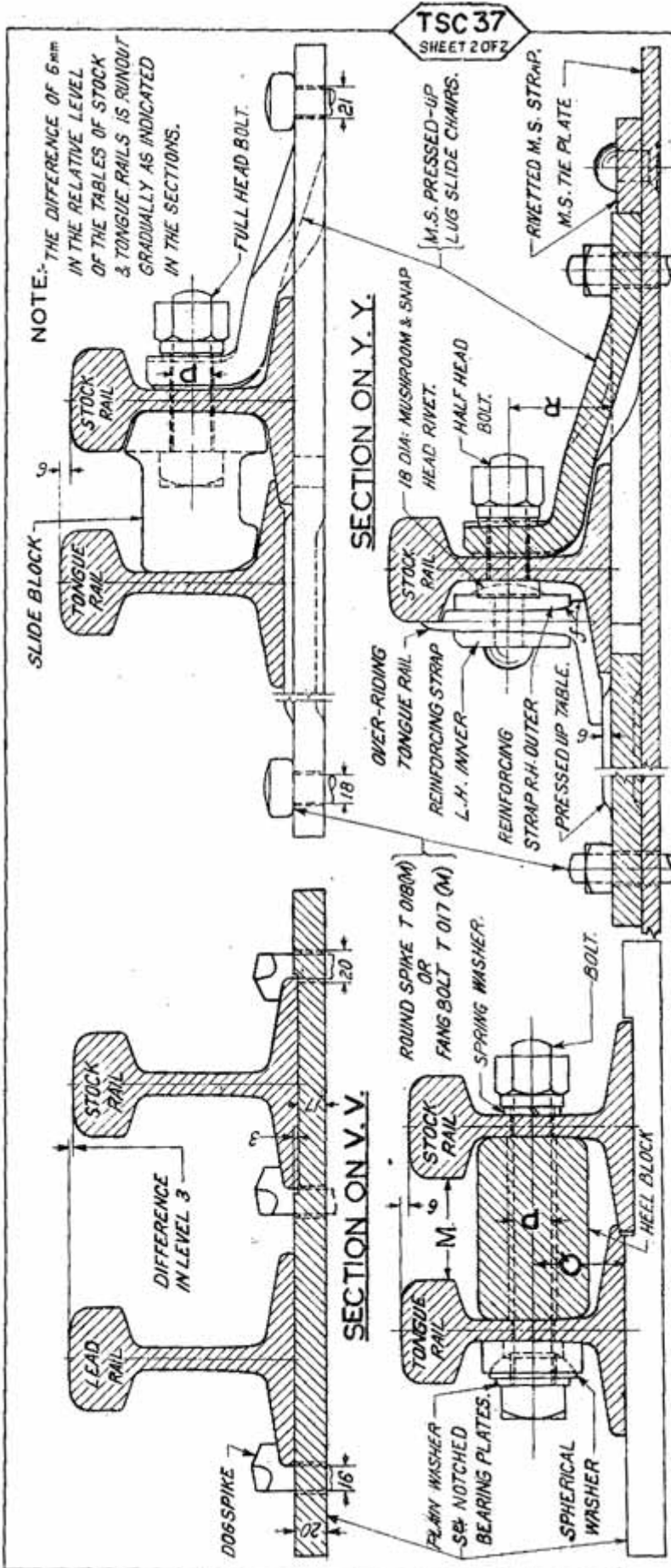
TYPICAL CURVED SWITCH B. G.

(FOR 1 IN 16 TURNOUTS)

NOTE—OPERATION OF SWITCH AT TWO PLACES L. C. LEADING AND 3RD FOLLOWING STRETCHER BARS.



SWITCH ANGLE AT TOE.....0° 24' 27" (IN 140)
 DIVERGENCE AT HEEL.....133
 THROW AT TOE.....115
 TIE LENGTH OF SWITCH.....10594
 ACTUAL LENGTH OF SWITCH.....9750
 SURFACE TO BE MACHINED SHOWN THUS—f



SECTION ON X.X. (AT HEEL) SECTION ON Z.Z. (AT TOE)

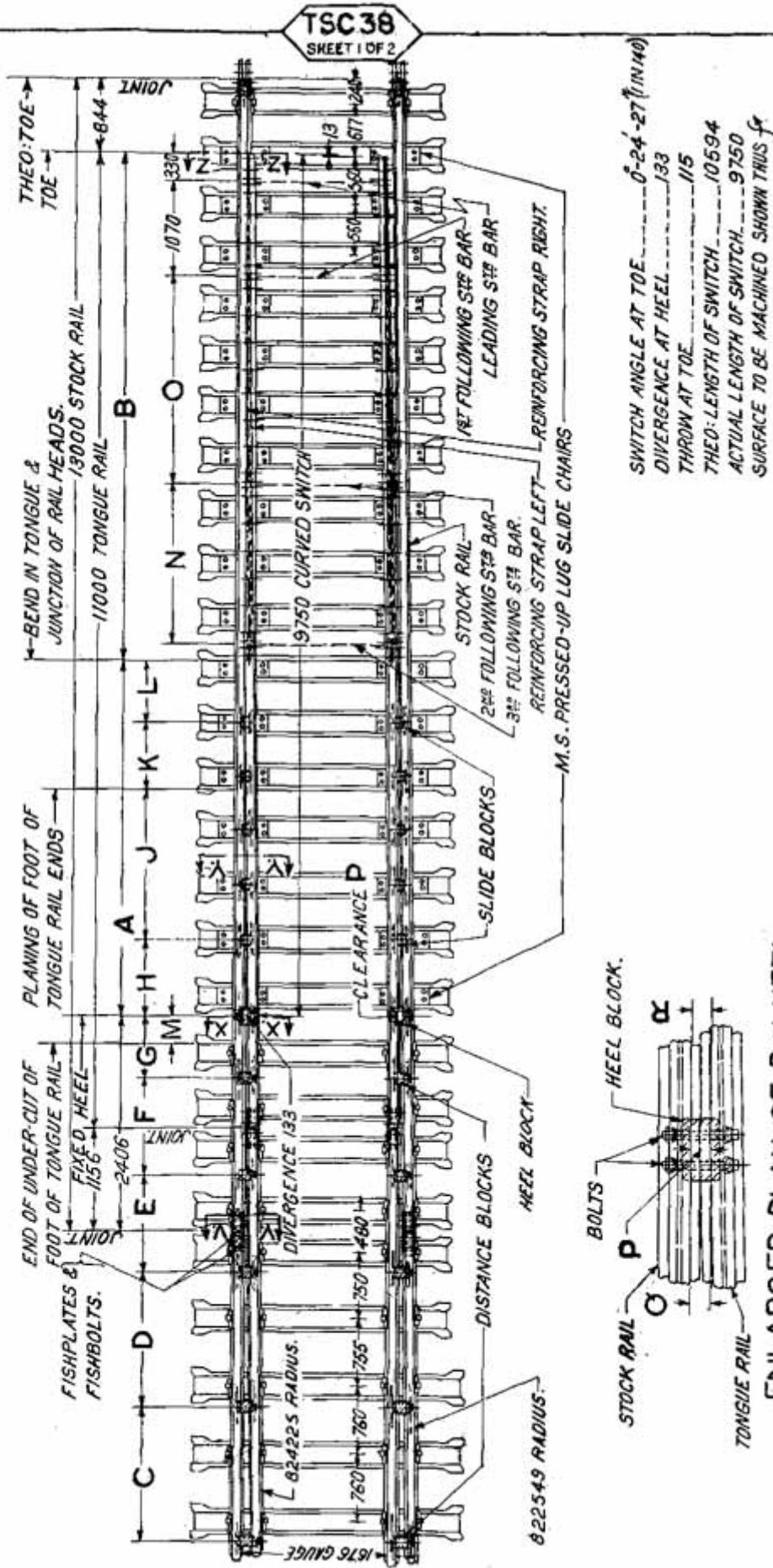
TABLE OF DIMENSIONS

RAIL ASSEMBLY	SECTION DRAWING NO.	DIMENSIONS (mm)																	
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	
52 Kg TA 20143	3985	5765	1100	700	867	273	2187	658	250	1795	2340	66	68.5	64.5	25	67	73		
90 R. TA 20139	4008	5742	1100	700	867	1676	784	681	271	1795	2340	66.3	67.7	64.2	25	60	66		

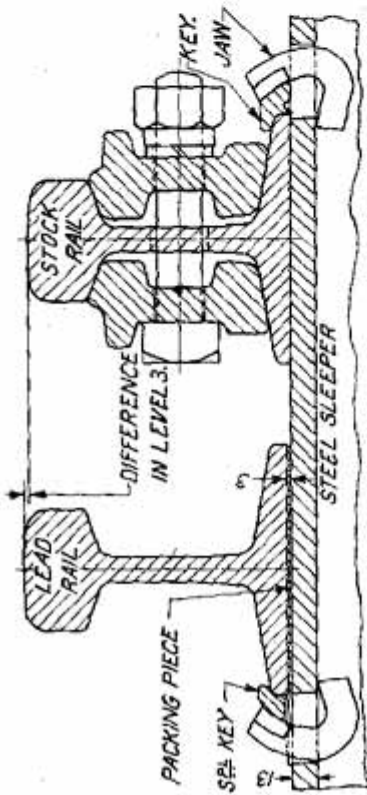
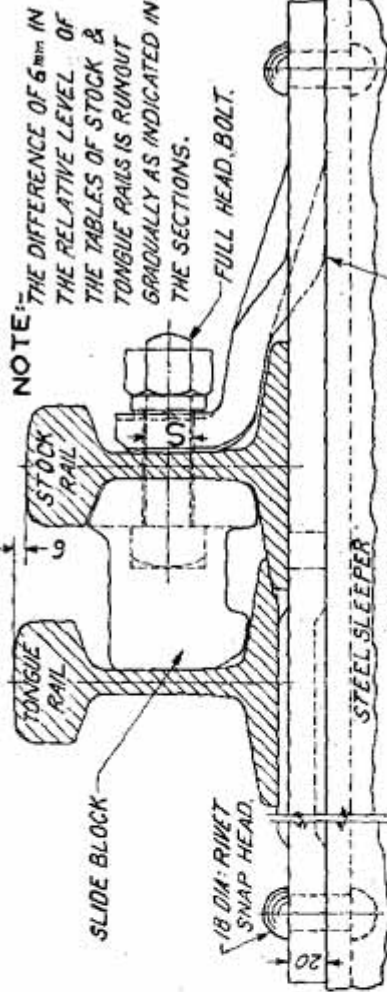
TYPICAL CURVED SWITCH B. G. WITH STEEL SLEEPERS.

(FOR 1 IN 16 TURNOUTS)

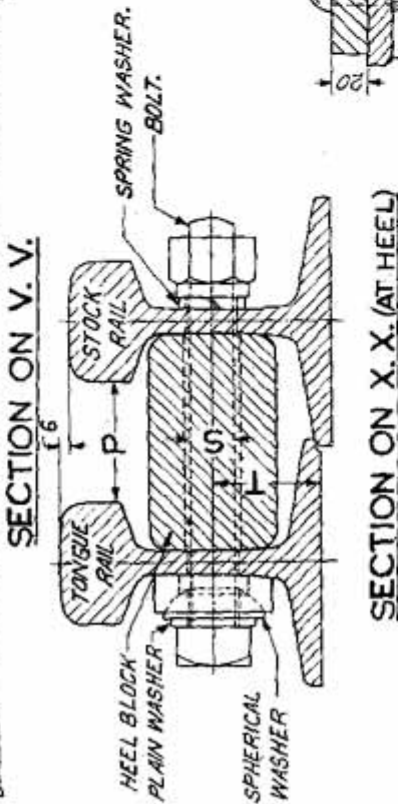
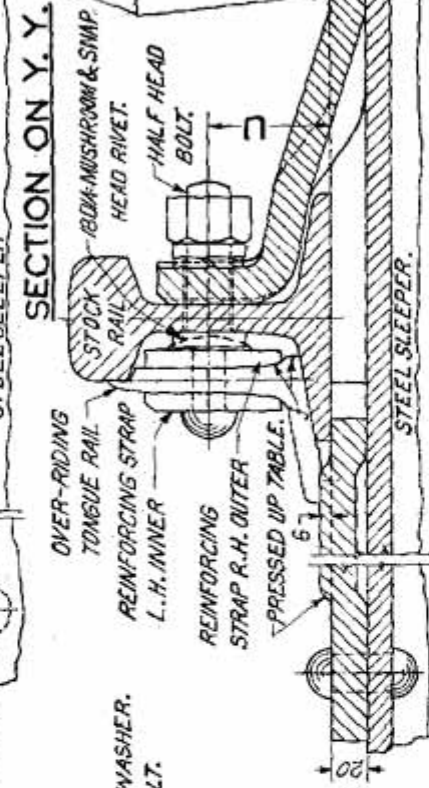
NOTE: OPERATION OF SWITCH AT TWO PLACES i.e. LEADING AND 3RD FOLLOWING STRETCHER BARS.



ENLARGED PLAN OF R.H. HEEL



NOTE: THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUNOUT GRADUALLY AS INDICATED IN THE SECTIONS.



SECTION ON Z. Z. (AT TOE)

TABLE OF DIMENSIONS

DIMENSIONS (in mm)

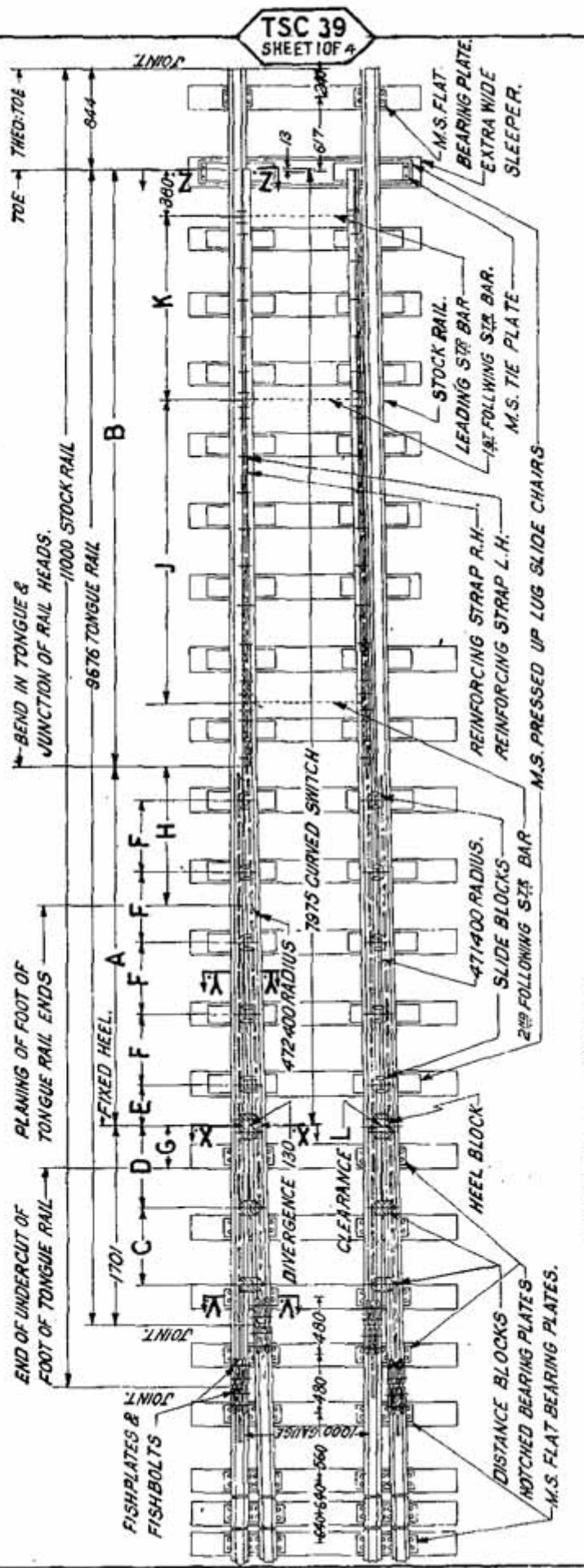
RAIL ASSEMBLY SECTION DRAWING NO	DIMENSIONS																				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
52kg TA 20829	3985	5765	1520	1520	1100	1100	700	867	273	2187	658	250	1795	2340	66	68.5	64.5	25	67	73	
90R. TA 20814	4008	5742	1520	1520	1100	1100	700	867	1676	784	68	271	1795	2340	66.3	67.7	64.2	25	60	66	

TYPICAL CURVED SWITCH M.G.

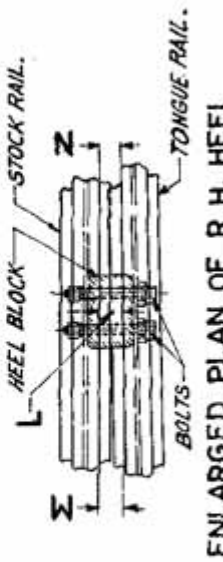
(FOR 1 IN 16 TURNOUT)

TSC 39
SHEET 1 OF 4

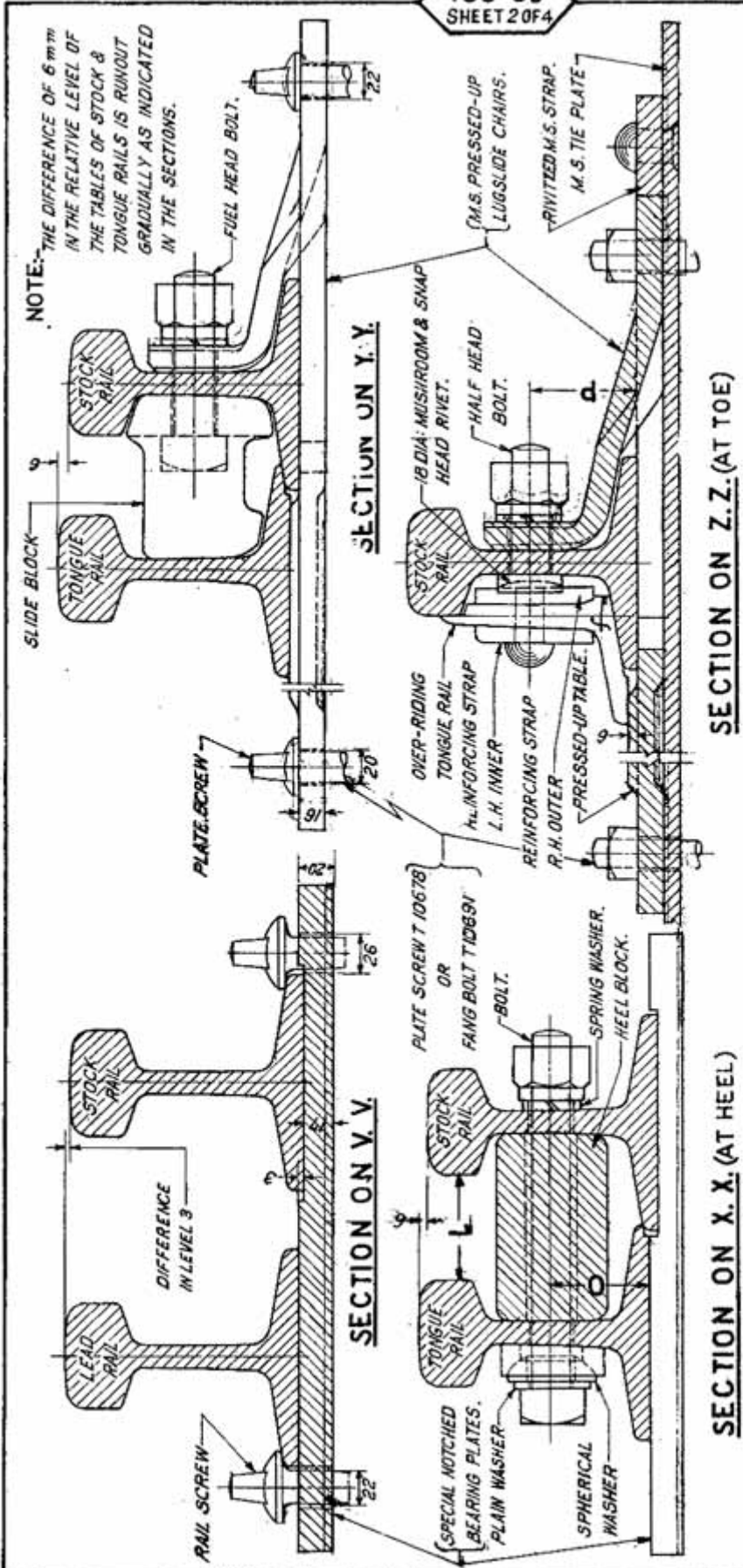
NOTE:— OPERATION OF SWITCH AT TWO PLACES I. I. & LEADING AND 2nd FOLLOWING STR BARS



SWITCH ANGLE AT TOE 0-24-27^(1/4)
 DIVERGENCE AT HEEL 130
 THROW AT TOE 100
 THEED: LENGTH OF SWITCH 88/9
 ACTUAL LENGTH OF SWITCH 7975
 SURFACE TO BE MACHINED SHOWY THUS.....ft



ENLARGED PLAN OF R.H. HEEL



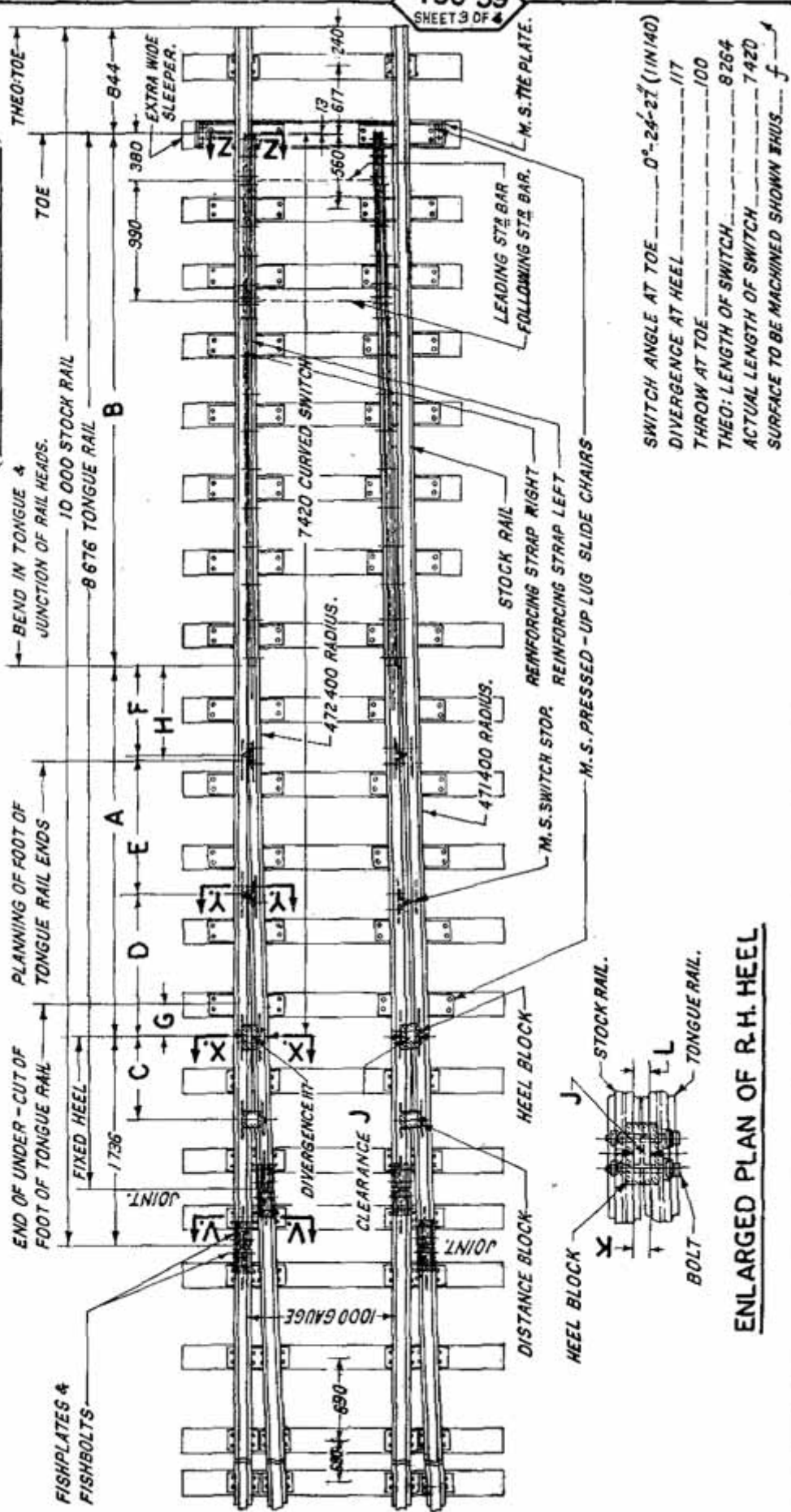
NOTE: THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO		DIMENSIONS (mm)														
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
90 R.	71 20505	3048	4927	650	700	302	600	330	1167	2560	1580	6332	6582	6082	60	66

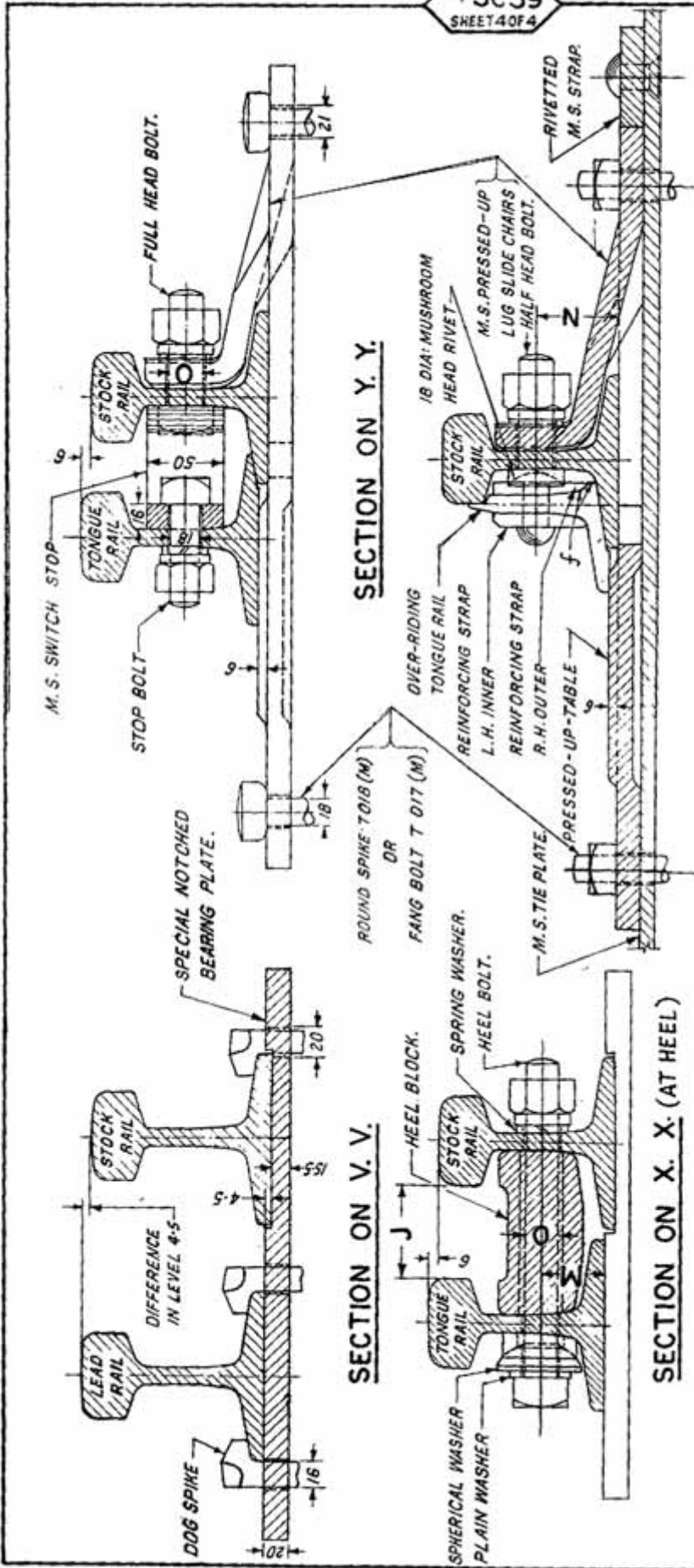
TYPICAL CURVED SWITCH M.G. (FOR 1 IN 16 TURNOUTS)

TSC 39
SHEET 3 OF 4



SWITCH ANGLE AT TOE	0°-24'-27" (1 IN 16)
DIVERGENCE AT HEEL	1/17
THROW AT TOE	100
THEO: LENGTH OF SWITCH	8264
ACTUAL LENGTH OF SWITCH	7420
SURFACE TO BE MACHINED SHOWN THUS	f

ENLARGED PLAN OF R.H. HEEL



NOTE:- THE DIFFERENCE OF 6mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

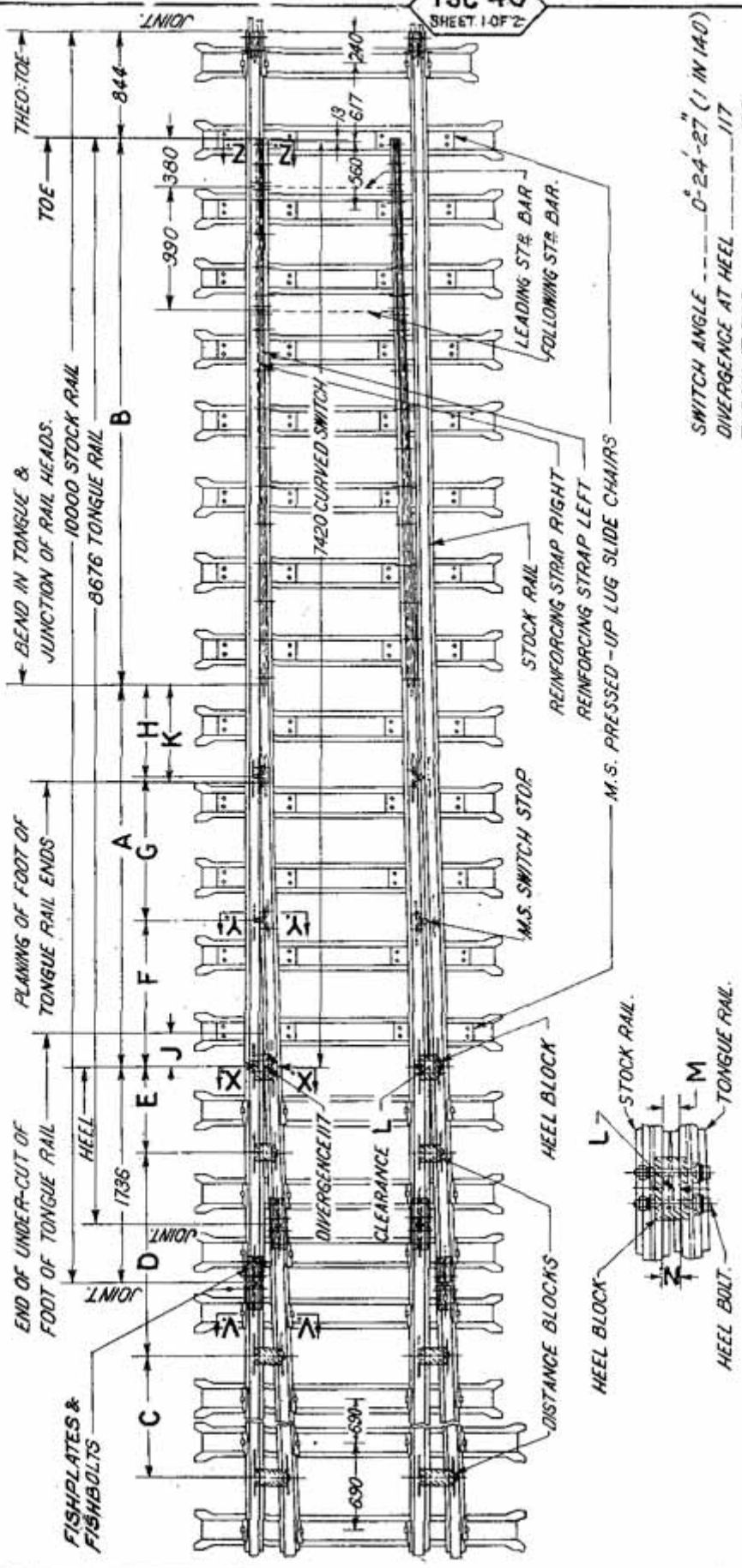
TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO	DIMENSIONS (mm)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	O
60R. TA 20414	3056	4364	685	1170	1151	735	264	769	59.8	62	57.5	41.5	53.5	22

TYPICAL CURVED SWITCH M.G. WITH STEEL SLEEPERS.

(FOR 1 IN 16 TURNOUTS)

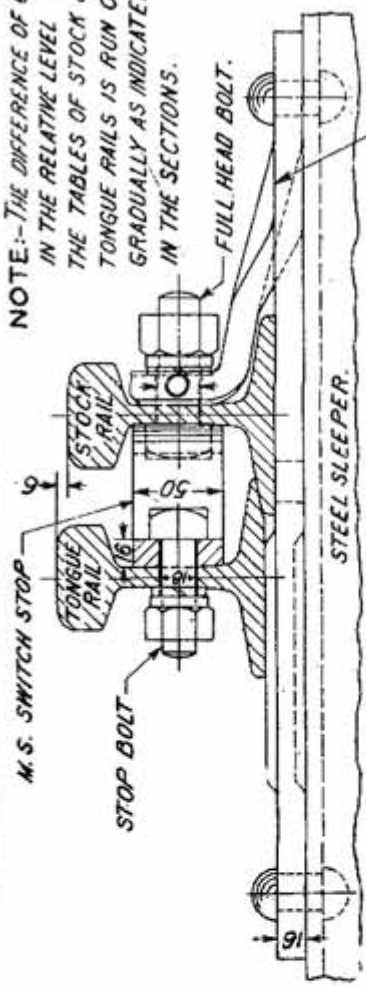
TSC 40
SHEET 1 OF 2



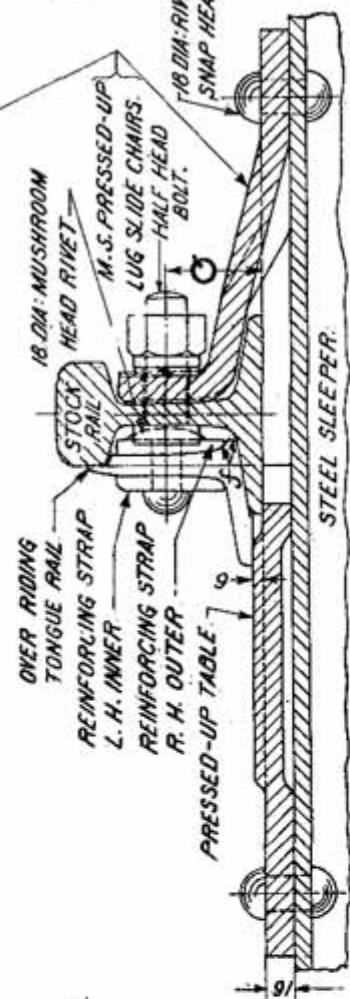
SWITCH ANGLE $0^{\circ}24'27''$ (1 IN 140)
 DIVERGENCE AT HEEL 117
 THROW AT TOE 100
 THEOD. LENGTH OF SWITCH 6264
 ACTUAL LENGTH OF SWITCH 7420
 SURFACE TO BE MACHINED SHOWN THUS f

ENLARGED PLAN OF R.H. HEEL

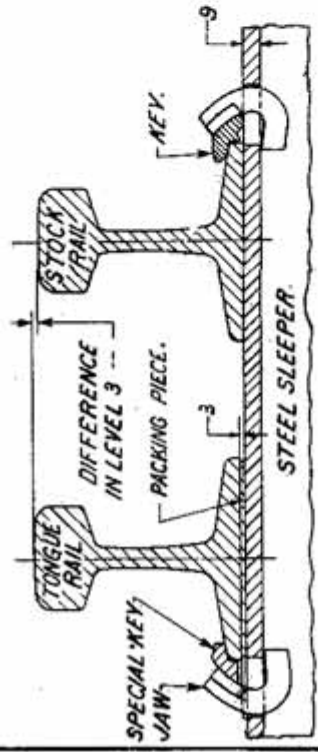
NOTE:—THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.



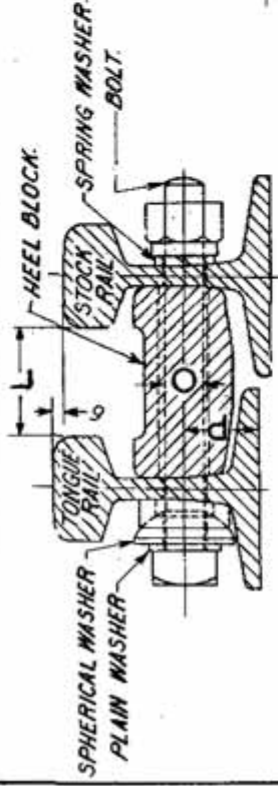
SECTION ON Y. Y.
(AT TOE)



SECTION ON Z. Z.
(AT TOE)



SECTION ON V. V.



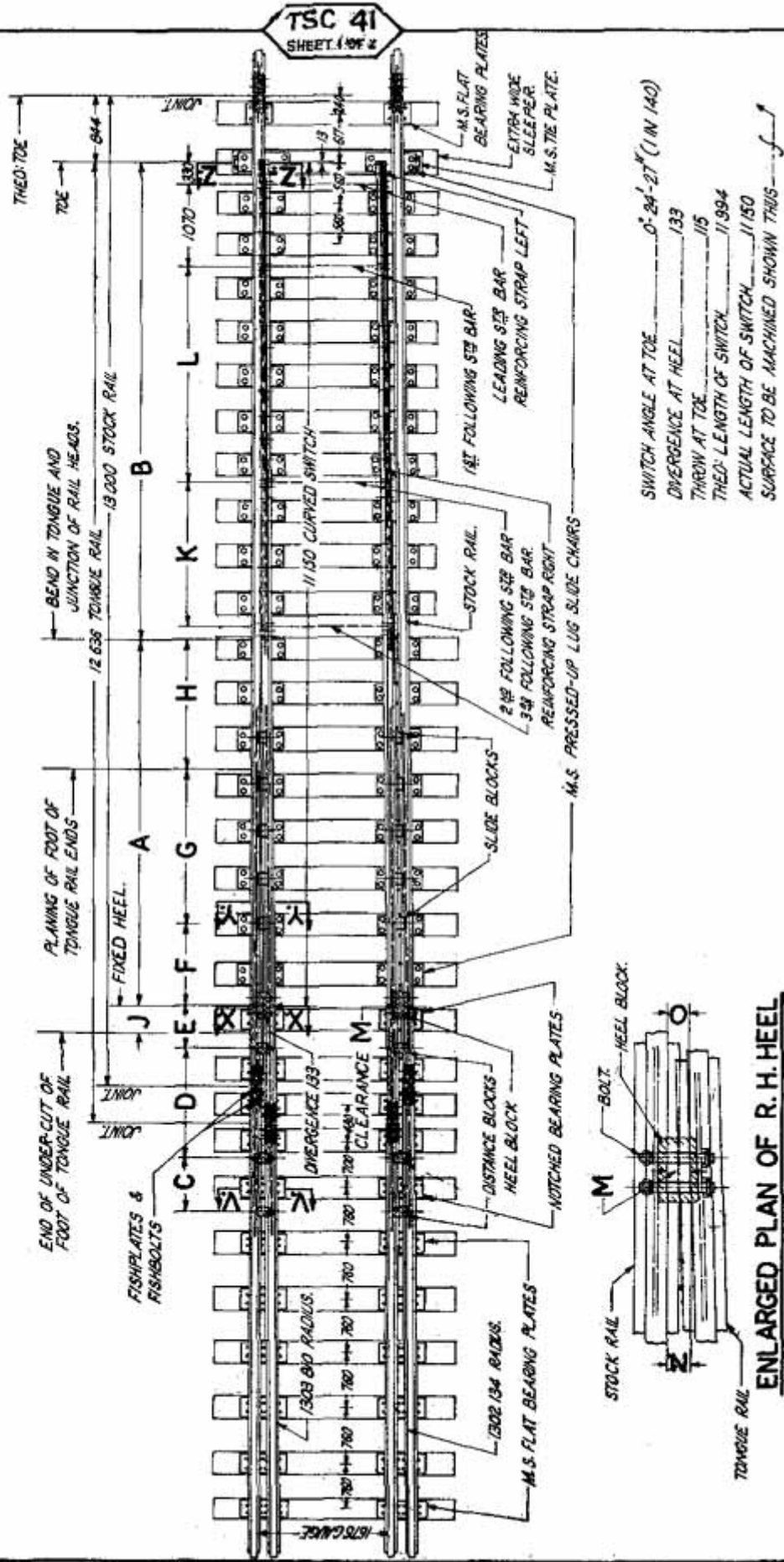
SECTION ON X. X.
(AT HEEL)

TABLE OF DIMENSIONS

DIMENSIONS (in mm)

RAIL SECTION	ASSEMBLY DRAWING No	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
60R.	TA 21014	3056	4364	1310	1615	685	1170	1151	735	264	769	598	57.5	62	22	41.5	53.5

TYPICAL CURVED SWITCH B.G. (FOR 1 IN 20 TURNOUTS)



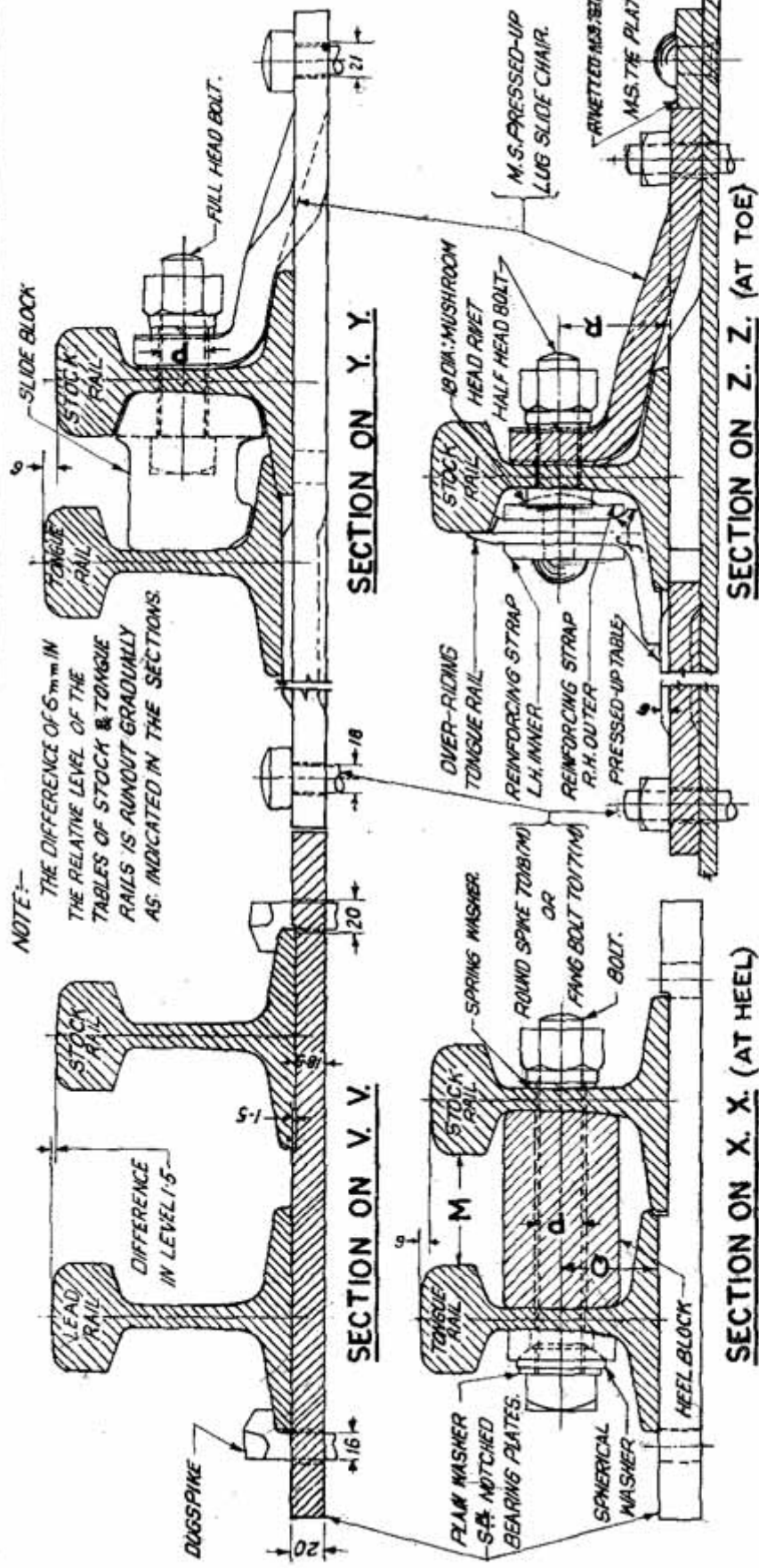


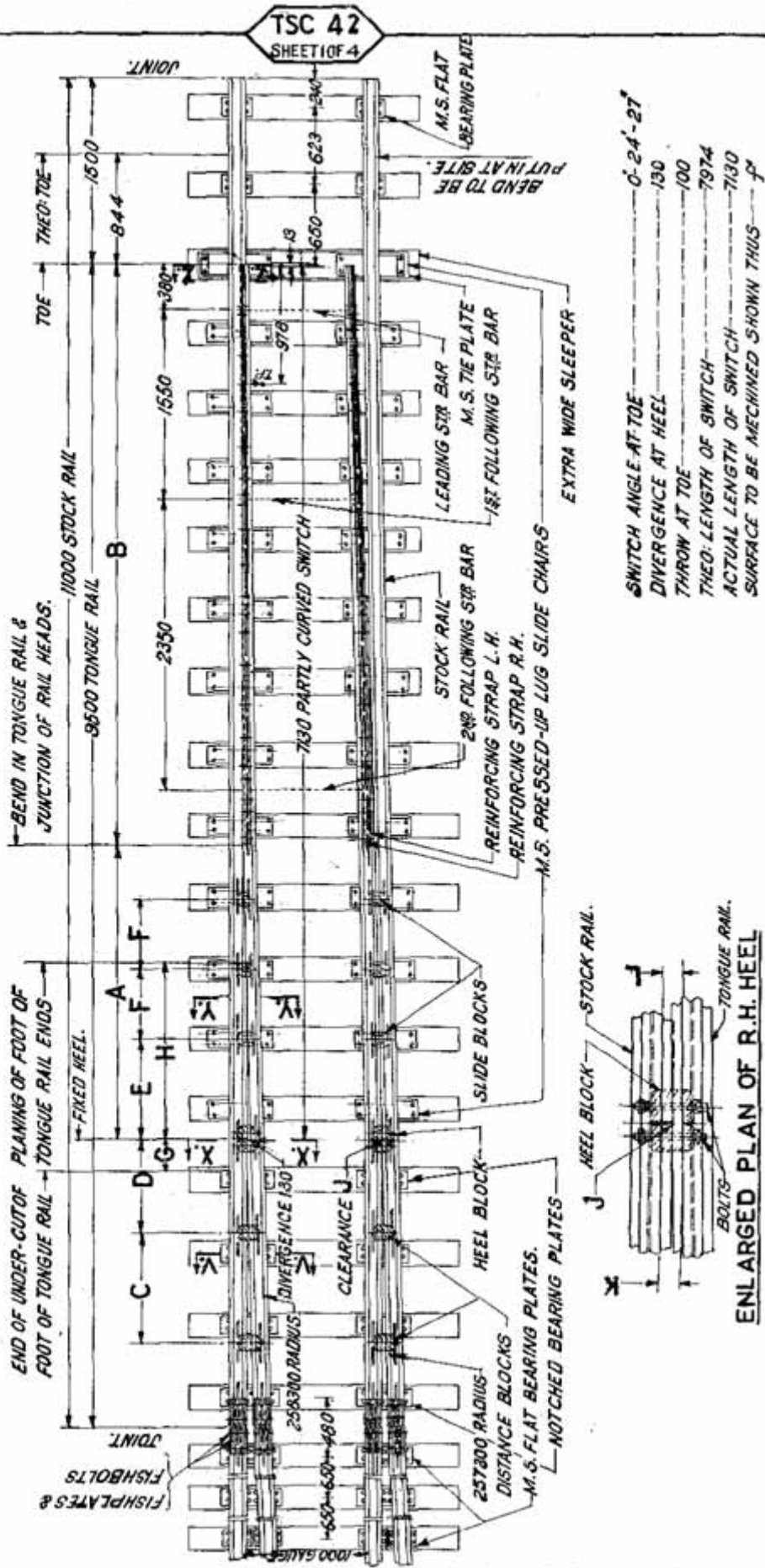
TABLE OF DIMENSIONS

RAIL ASSEMBLY SECTION DRAWING NO.	DIMENSIONS (mm)																
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R
90R. TA 20123	4793	6357	900	1300	575	1087	1974	1732	322	1900	2850	66.3	67.7	64.7	25	60	66

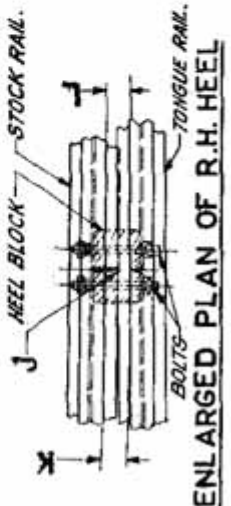
TYPICAL PARTLY CURVED SWITCH M.G.

(FOR 1 IN 12 TURNOUT)

NOTE:- OPERATION OF THE SWITCH HAS TO BE CARRIED OUT AT TWO PLACES NAMELY LEADING STR BAR AND 2ND FOLLOWING STR BAR.



SWITCH ANGLE AT TOE	0° 24' - 27"
DIVERGENCE AT HEEL	130
THROW AT TOE	100
THEO. LENGTH OF SWITCH	7974
ACTUAL LENGTH OF SWITCH SURFACE TO BE MECHINED SHOWN THUS	7130



ENLARGED PLAN OF R.H. HEEL

NOTE: THE DIFFERENCE OF 6 mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUN OUT GRADUALLY AS INDICATED IN THE SECTIONS.

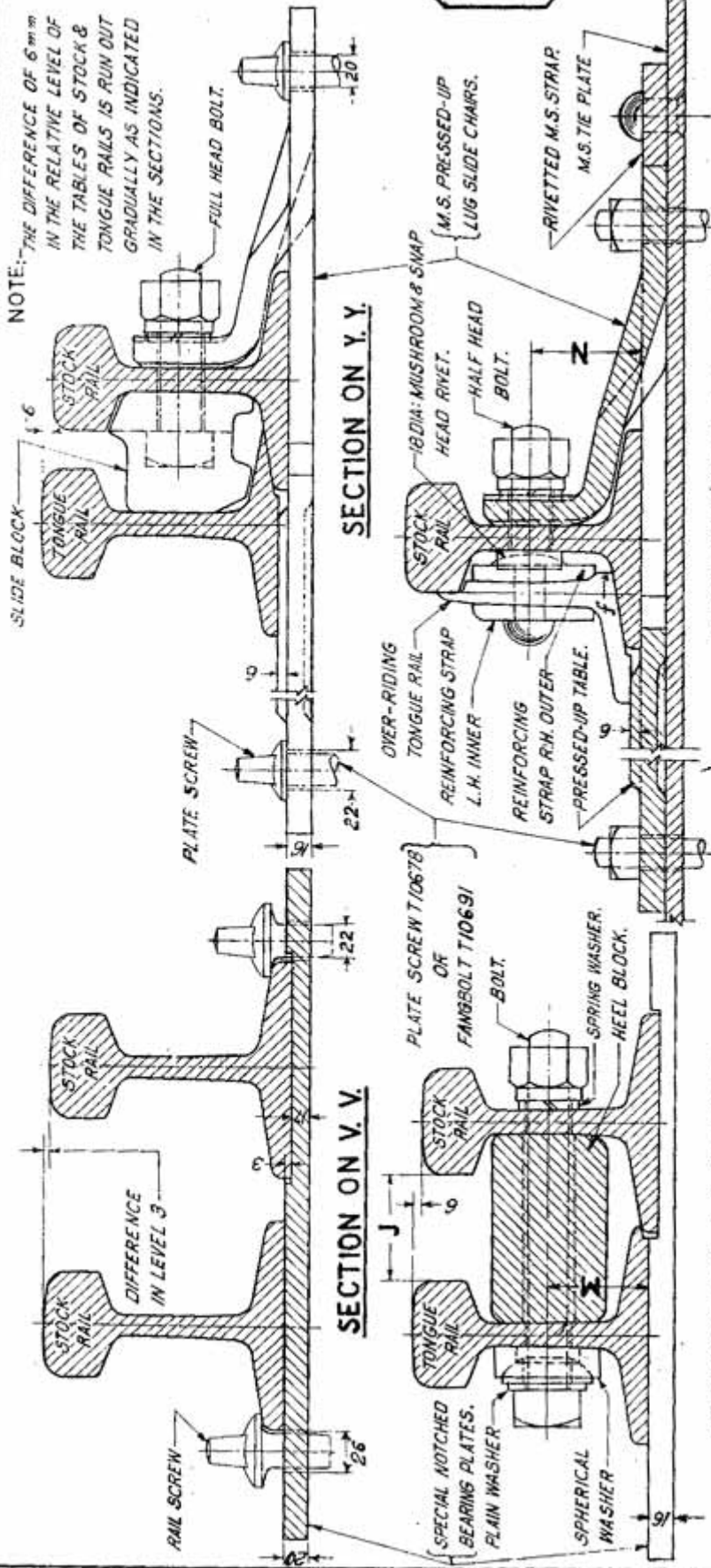


TABLE OF DIMENSIONS

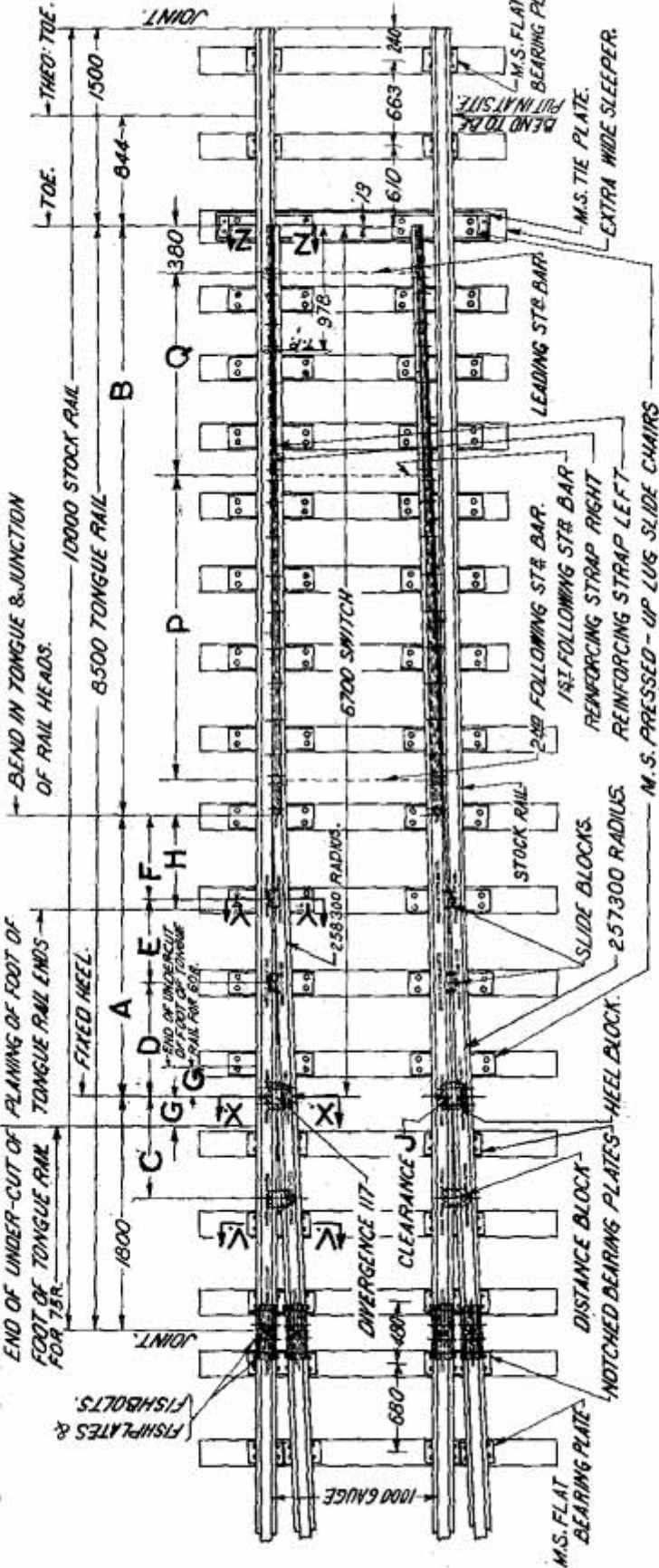
DIMENSIONS (mm)

RAIL ASSEMBLY SECTION DRAWING NR	A	B	C	D	E	F	C	H	J	K	L	M	N
90 R. TA 20-495	2407	4723	900	750	797	580	258	935	63-32	66-32	60-32	60	66

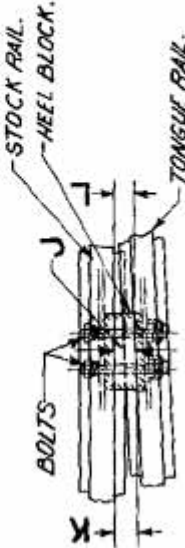
TYPICAL PARTLY CURVED SWITCH M. G.

(FOR 1 IN 12 TURNOUTS)

NOTE:- OPERATION OF THE SWITCH HAS TO BE CARRIED OUT AT TWO PLACES, NAMELY, LEADING STRETCHER BAR AND 2ND FOLLOWING STRETCHER BAR.



SWITCH ANGLE AT TOE 0-24-27
 DIVERGENCE AT HEEL 117
 THROW AT TOE 100
 THEO. LENGTH OF SWITCH 7544
 ACTUAL LENGTH OF SWITCH 6700
 SURFACE TO BE MACHINED SHOWN THUS



ENLARGED PLAN OF R. H. HEEL

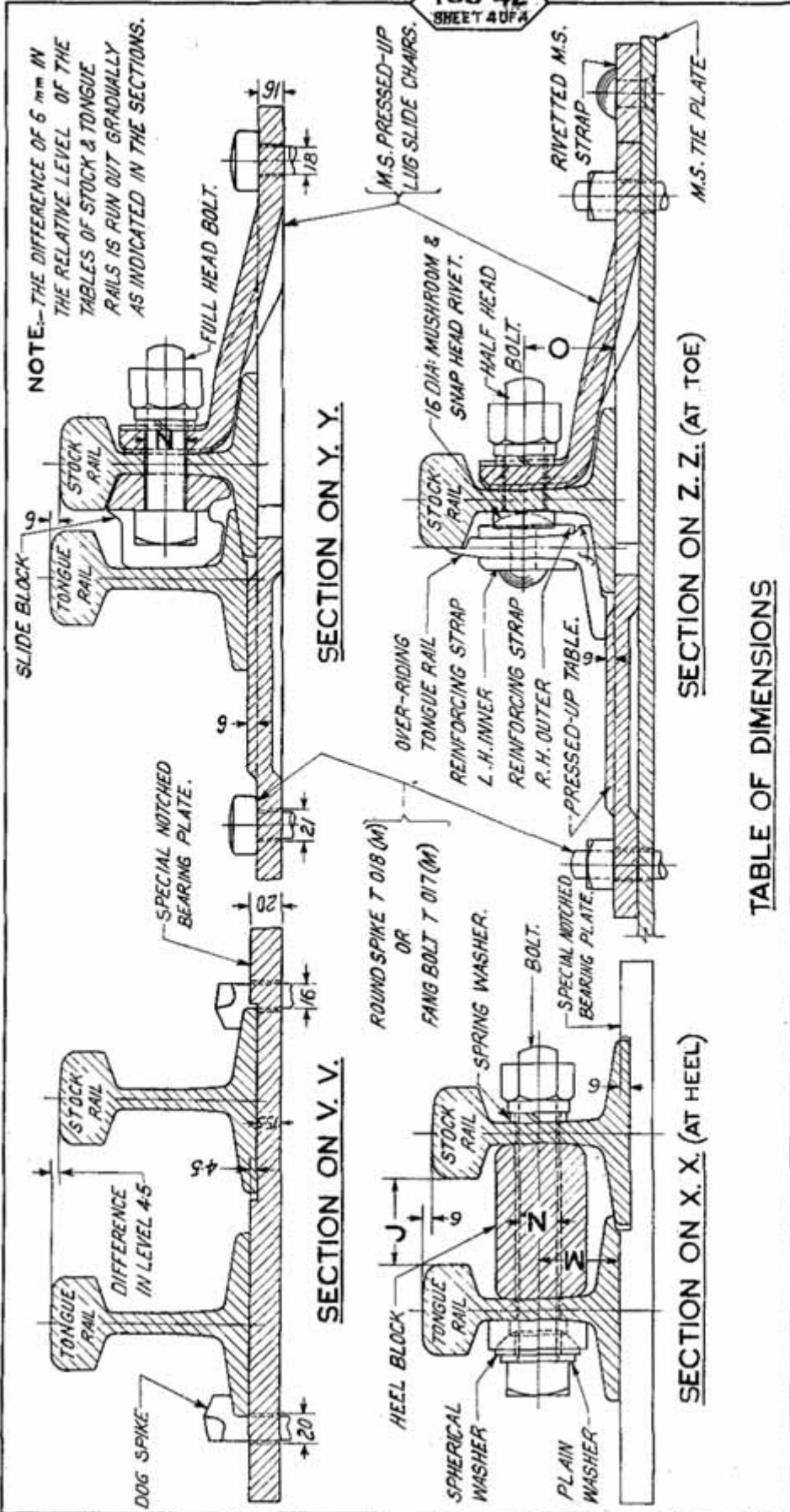
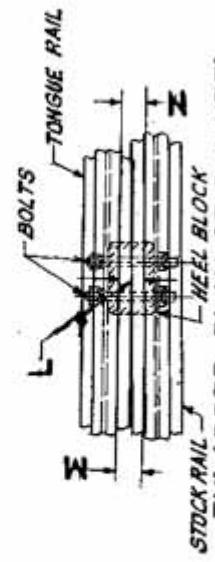
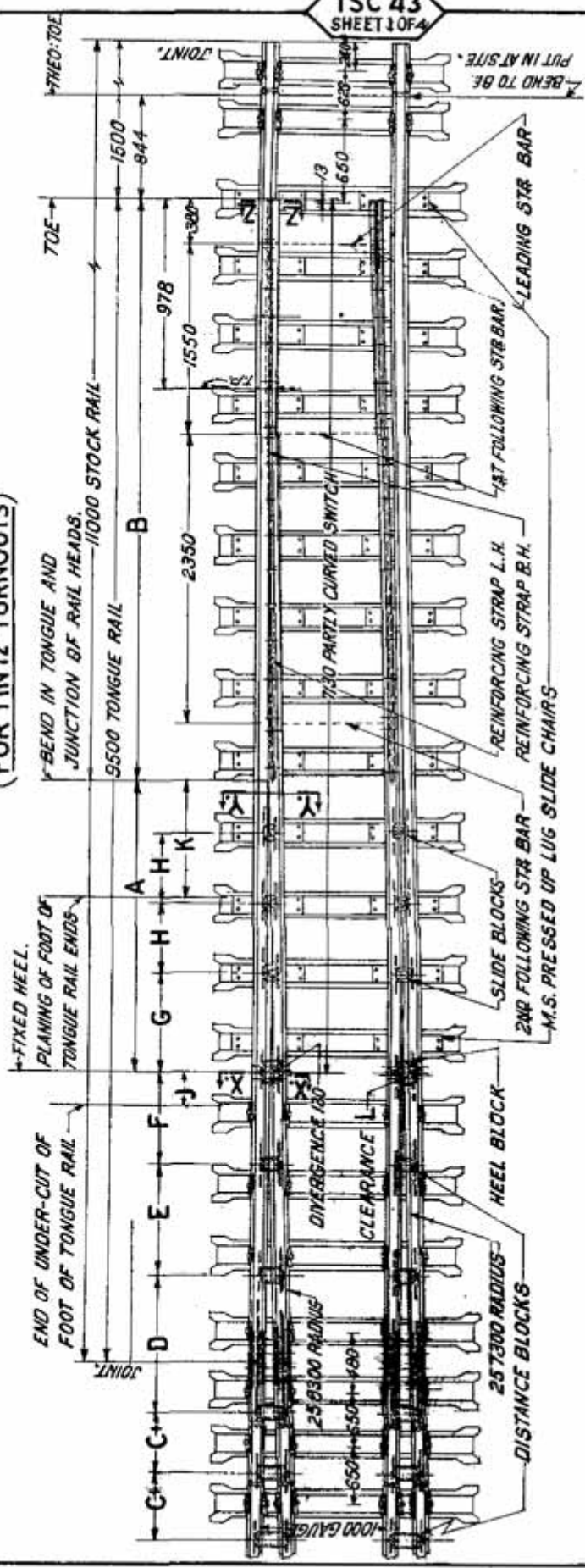


TABLE OF DIMENSIONS

		DIMENSIONS (in mm)															
RAIL ASSEMBLY SECTION	DRAWING NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
75 R.	TA 20465	2202	4498	780	887	630	685	228	772	55.1	58.2	52.2	54	25	60	2350	1550
60 R.	TA 20467	2437	4263	780	887	630	920	206	627	59.8	63	57	41.5	22	53.5	2300	990

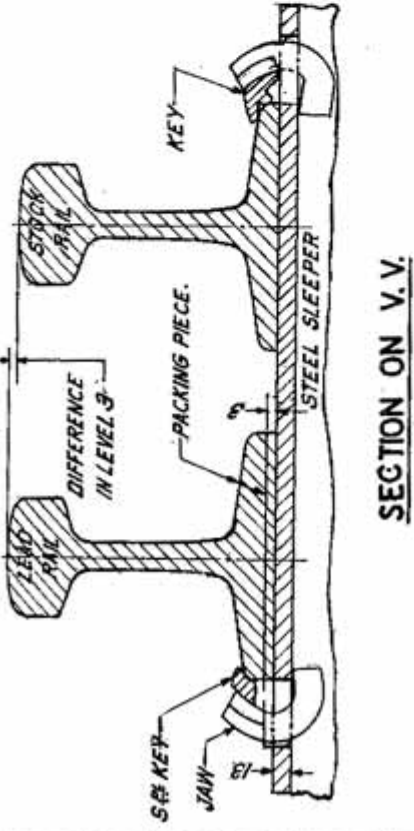
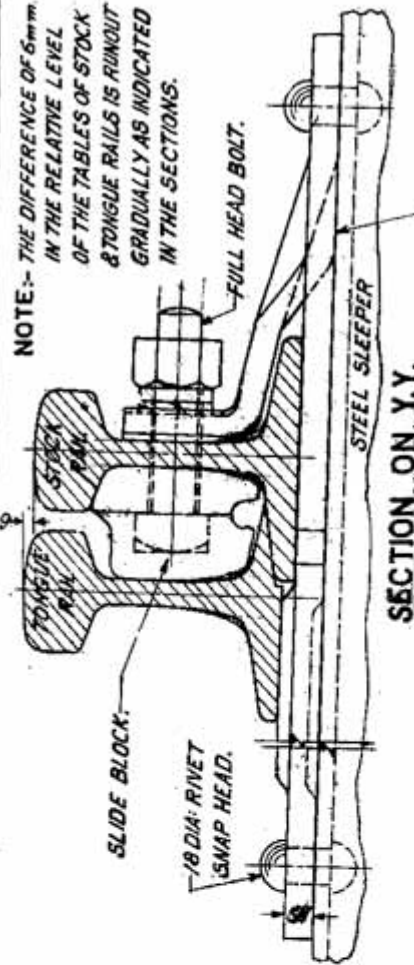
TYPICAL PARTLY CURVED SWITCH M.G. WITH STEEL SLEEPERS

(FOR 1 IN 12 TURNOUTS)



- SWITCH ANGLE AT TOE ----- 0-24-27
- DIVERGENCE AT HEEL ----- 1:30
- THROW AT TOE ----- 100
- THEO: LENGTH OF SWITCH ----- 7974
- ACTUAL LENGTH OF SWITCH ----- 7130
- SURFACE TO BE MACHINED SHOWN THUS ----- f'

ENLARGED PLAN OF R.H. HEEL



NOTE:- THE DIFFERENCE OF 6mm IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUNOUT GRADUALLY AS INDICATED IN THE SECTIONS.

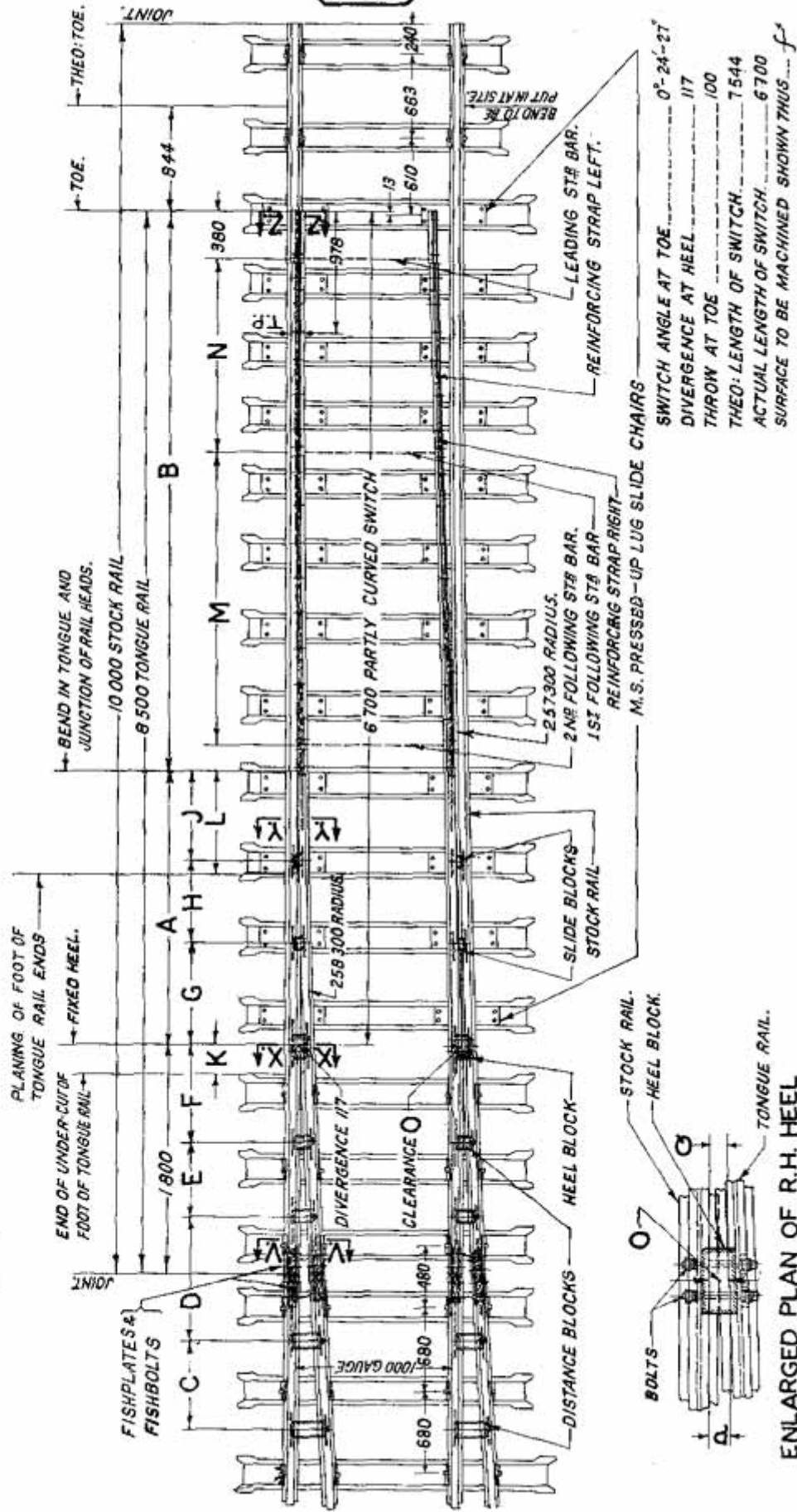
TABLE OF DIMENSIONS (AT TOE)

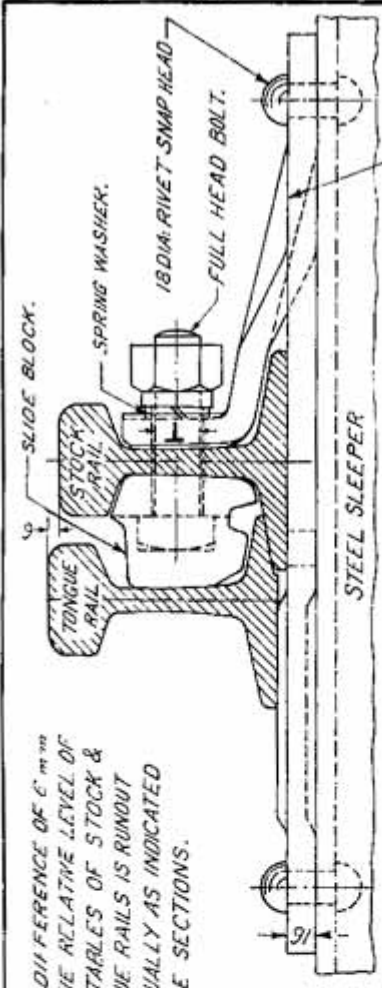
RAIL ASSEMBLY SECTION DRAWING		DIMENSIONS (MM)														
		A	B	C	D	E	F	C	H	J	K	L	M	N	O	P
90 R.	TAB 28	2407	4728	700	4030	900	750	797	580	235	333	6332	6632	5052	60	63

TYPICAL PARTLY CURVED SWITCH M.G. WITH STEEL SLEEPERS

(FOR 1 IN 12 TURNOUTS)

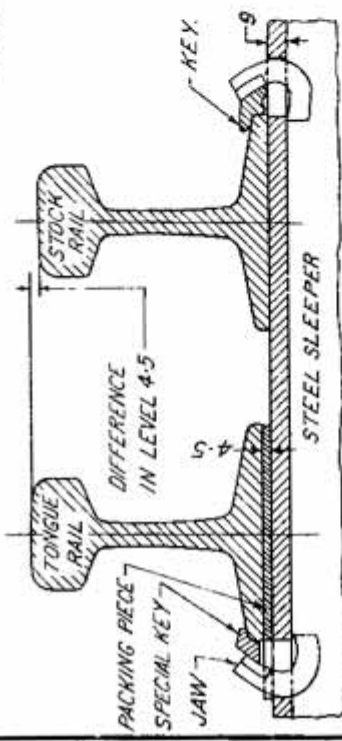
NOTE :- OPERATION OF SWITCH AT TWO PLACES
I.E. LEADING AND 2ND FOLLOWING STRETCHER BARS.



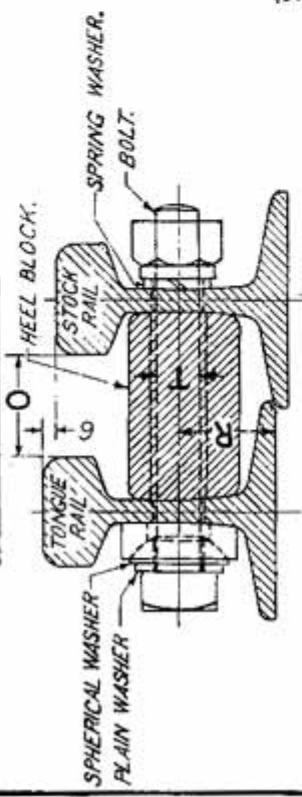


SECTION ON Y.Y.

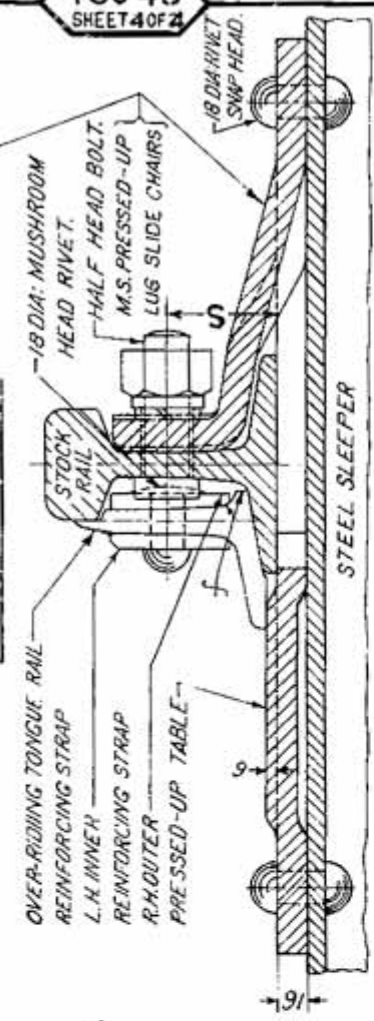
NOTE: THE DIFFERENCE OF C_{100} IN THE RELATIVE LEVEL OF THE TABLES OF STOCK & TONGUE RAILS IS RUNOUT GRADUALLY AS INDICATED IN THE SECTIONS.



SECTION ON V.V.



SECTION ON X.X. (AT HEEL)

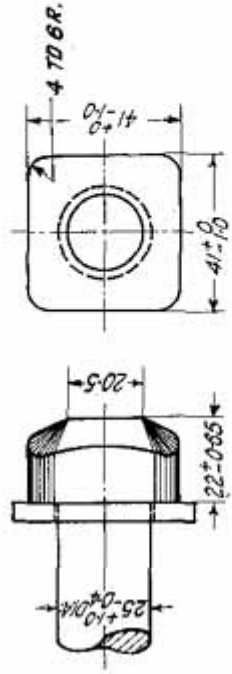
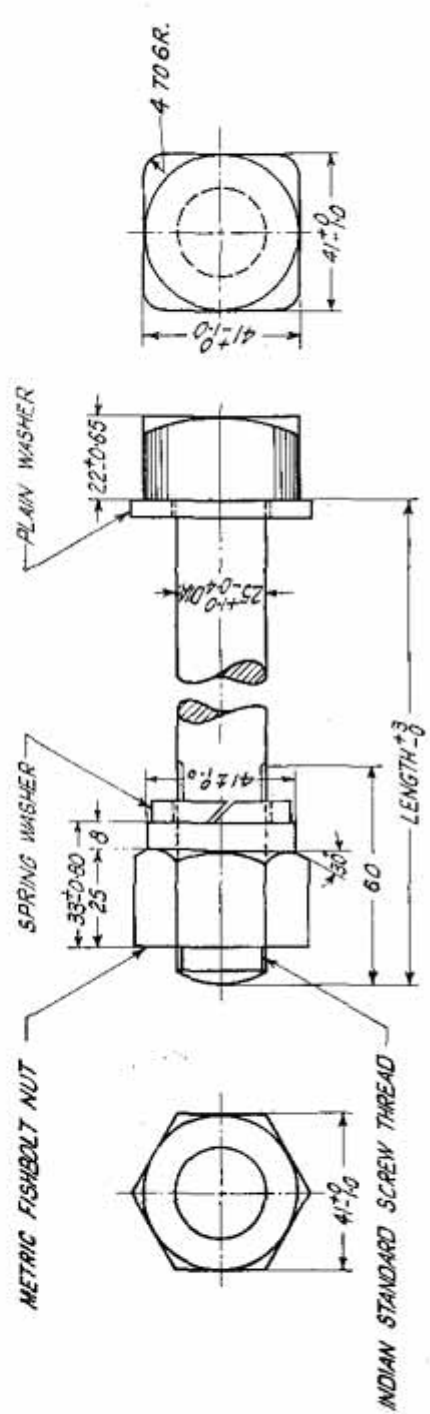


SECTION ON Z.Z. (AT TOE)

TABLE OF DIMENSIONS

RAIL SECTION	ASSEMBLY DRAWING NO.	DIMENSIONS																			
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	
75r.	TA 21017	2202	4498	700	1000	600	780	887	630	685	228	772	2350	1550	551	582	52.2	54	60	60	25

25 mm DIA: BOLTS FOR POINTS & CROSSINGS



ALTERNATIVE DESIGN OF THE HEAD.

TABLE OF DIMENSIONS.

PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)
T 11504	90	T 11516	210	T 11528	330	T 11540	450
T 11505	100	T 11517	220	T 11529	340	T 11541	460
T 11506	110	T 11518	230	T 11530	350	T 11542	470
T 11507	120	T 11519	240	T 11531	360	T 11543	480
T 11508	130	T 11520	250	T 11532	370	T 11544	490
T 11509	140	T 11521	260	T 11533	380	T 11545	500
T 11510	150	T 11522	270	T 11534	390	T 11546	510
T 11511	160	T 11523	280	T 11535	400	T 11547	520
T 11512	170	T 11524	290	T 11536	410	T 11548	530
T 11513	180	T 11525	300	T 11537	420	T 11549	540
T 11514	190	T 11526	310	T 11538	430		
T 11515	200	T 11527	320	T 11539	440		

22 mm DIA: BOLTS FOR POINTS & CROSSINGS

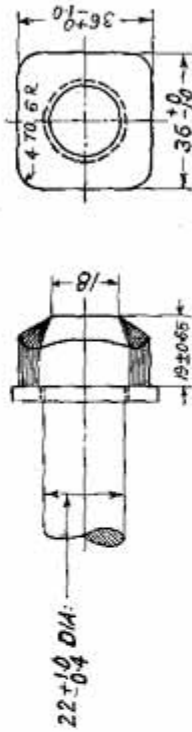
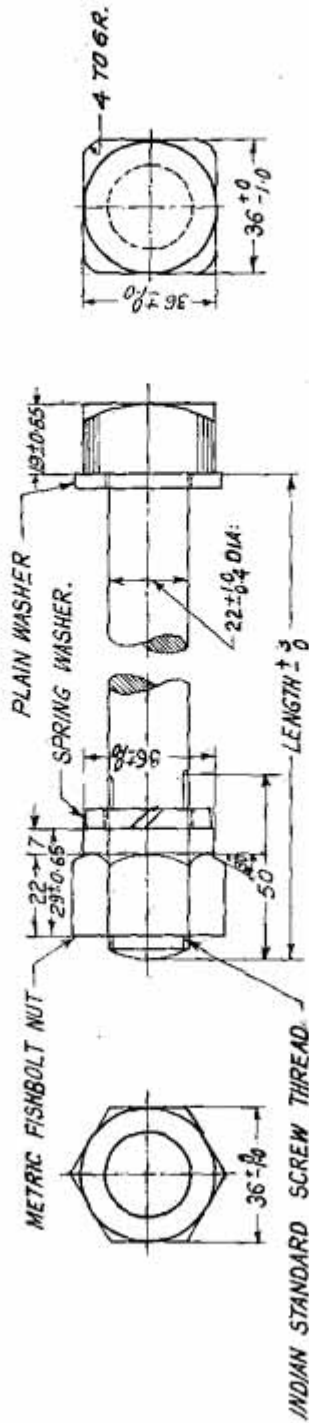


TABLE OF DIMENSIONS.

PART NUMBER	LENGTH (cm)	PART NUMBER	LENGTH (cm)	PART NUMBER	LENGTH (cm)	PART NUMBER	LENGTH (cm)
T 11550	110	T 11560	210	T 11570	310	T 11580	410
T 11551	120	T 11561	220	T 11571	320	T 11581	420
T 11552	130	T 11562	230	T 11572	330	T 11582	430
T 11553	140	T 11563	240	T 11573	340	T 11583	440
T 11554	150	T 11564	250	T 11574	350	T 11584	450
T 11555	160	T 11565	260	T 11575	360	T 11585	460
T 11556	170	T 11566	270	T 11576	370	T 11586	470
T 11557	180	T 11567	280	T 11577	380		
T 11558	190	T 11568	290	T 11578	390		
T 11559	200	T 11569	300	T 11579	400		

ALTERNATIVE DESIGN OF THE HEAD.

25 mm DIA: TURNED BOLTS FOR POINTS & CROSSINGS

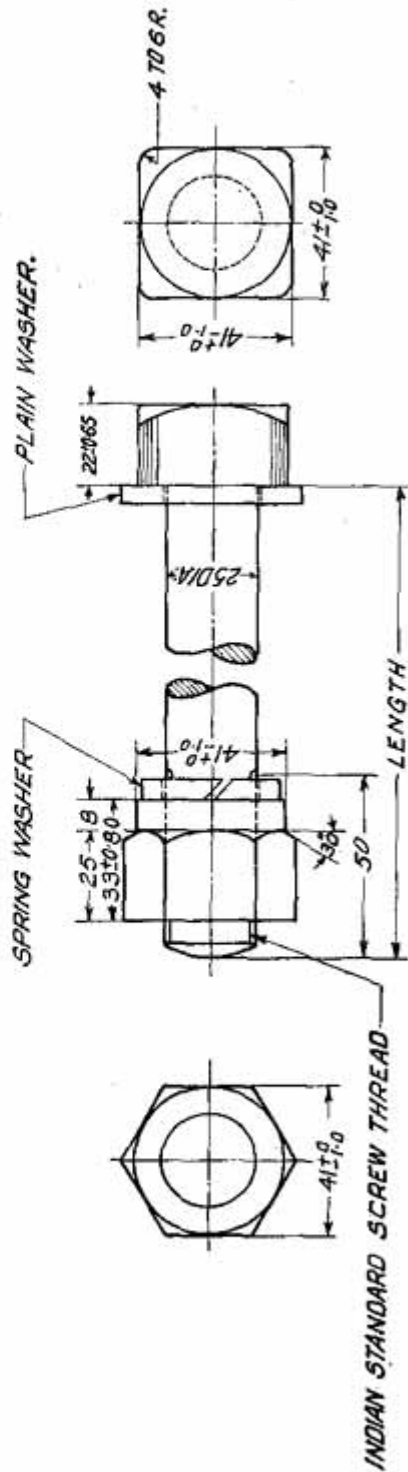


TABLE OF DIMENSIONS

PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)
T 11587	90	T 11597	140
T 11588	95	T 11598	145
T 11589	100	T 11599	150
T 11590	105	T 11600	155
T 11591	110	T 11601	160
T 11592	115	T 11602	165
T 11593	120	T 11603	170
T 11594	125	T 11658	75
T 11595	130	T 11659	80
T 11596	135	T 11660	85

22 mm DIA: TURNED BOLTS FOR POINTS & CROSSINGS

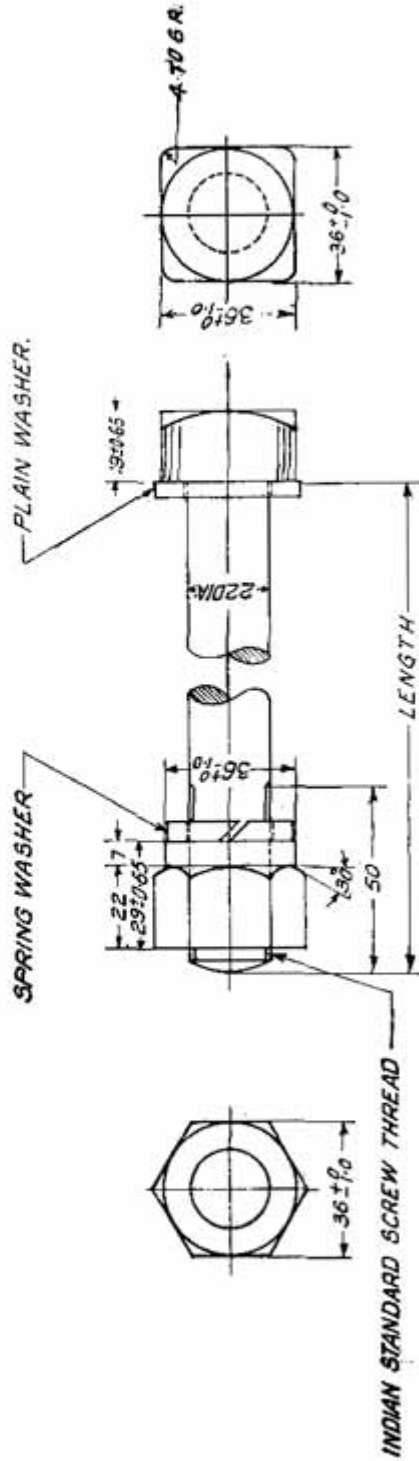
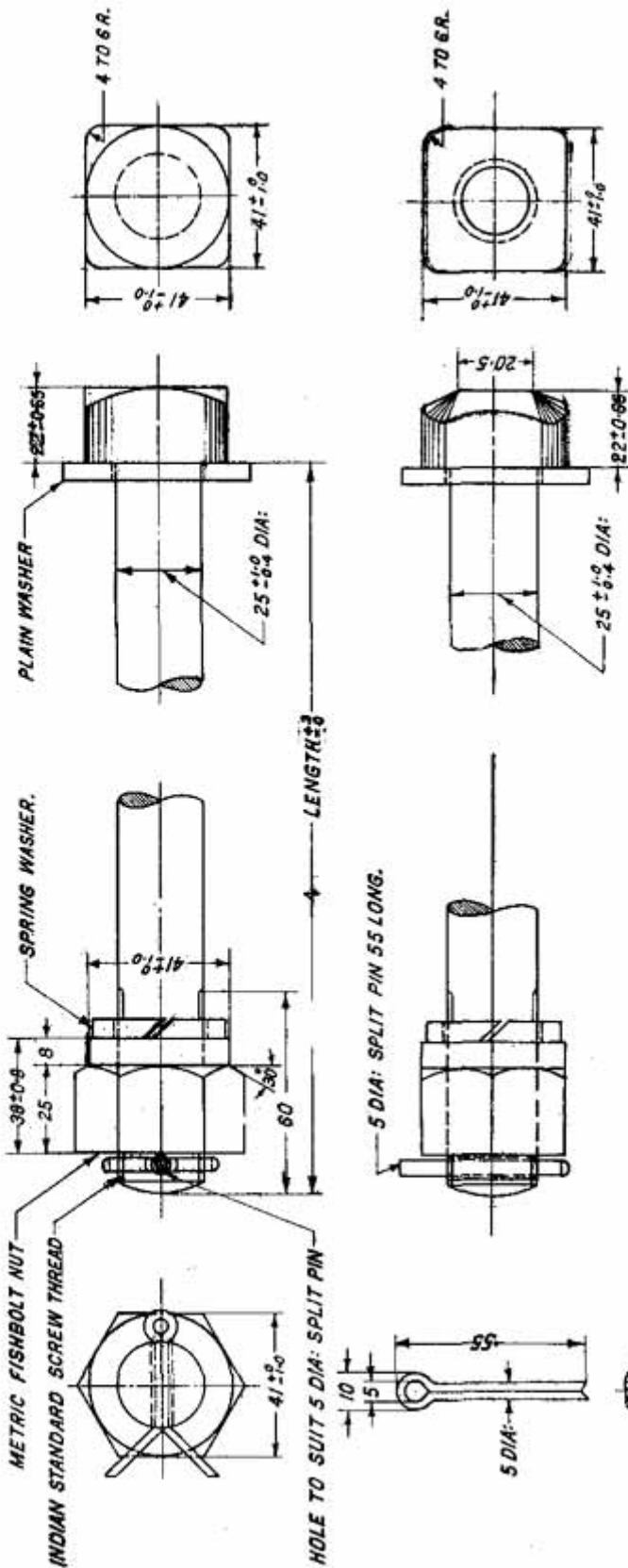


TABLE OF DIMENSIONS.

PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)
T 11604	70	T 11614	120
T 11605	75	T 11615	125
T 11606	80	T 11616	130
T 11607	85	T 11617	135
T 11608	90	T 11618	140
T 11609	95	T 11619	145
T 11610	100	T 11620	150
T 11611	105	T 11621	155
T 11612	110	T 11622	160
T 11613	115		

25 mm DIA: SPECIAL BOLTS FOR SWITCHES.



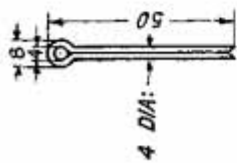
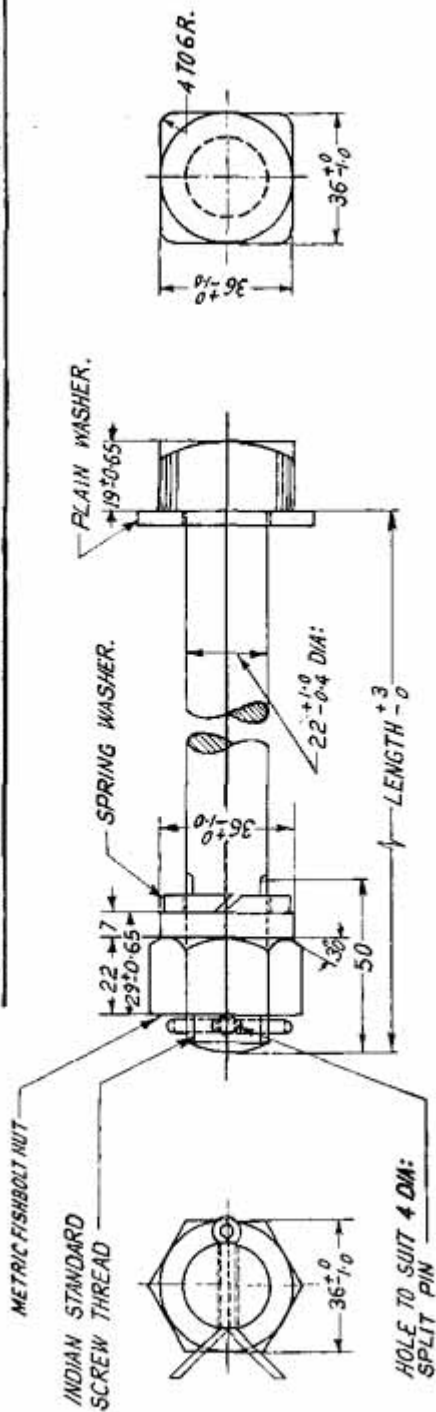
ALTERNATIVE DESIGN OF THE HEAD.

DETAIL OF SPLIT PIN

TABLE OF DIMENSIONS

PART NUMBER	LENGTH (mm)	PART NUMBER	LENGTH (mm)
T 11647	230	T 11718	210
T 11648	240		
T 11649	260		

22 mm DIA: SPECIAL BOLTS FOR SWITCHES

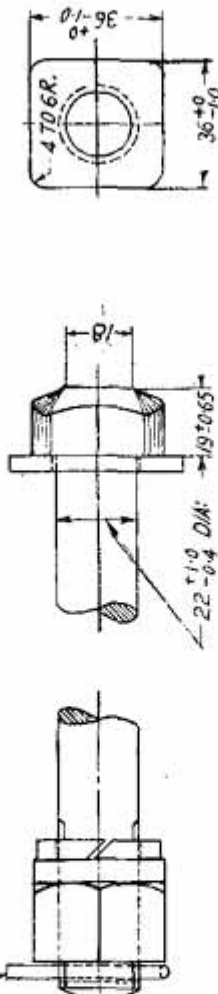


DETAIL OF SPLIT PIN

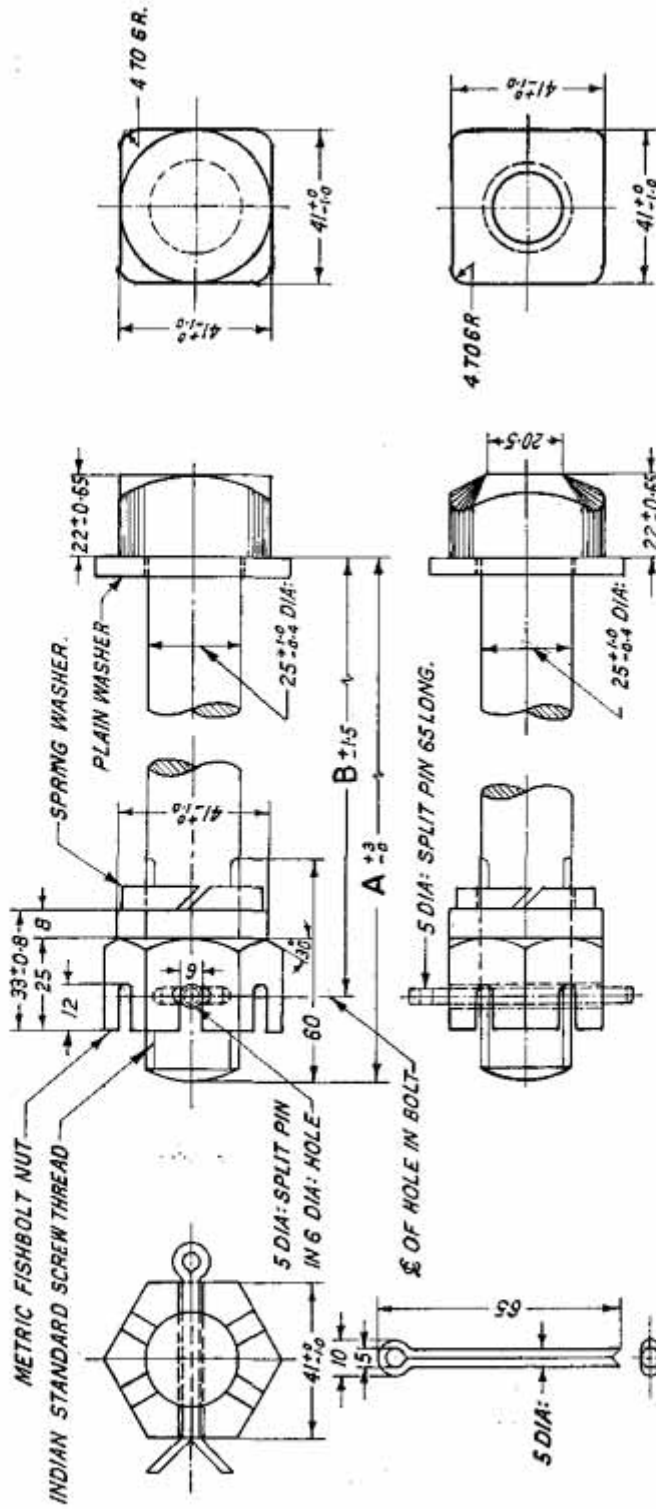
TABLE OF DIMENSIONS

PART NUMBER	LENGTH (mm)
T /1650	190
T /1651	210

ALTERNATIVE DESIGN OF THE HEAD



25mm DIA: BOLTS WITH GROOVED NUTS FOR SWITCHES



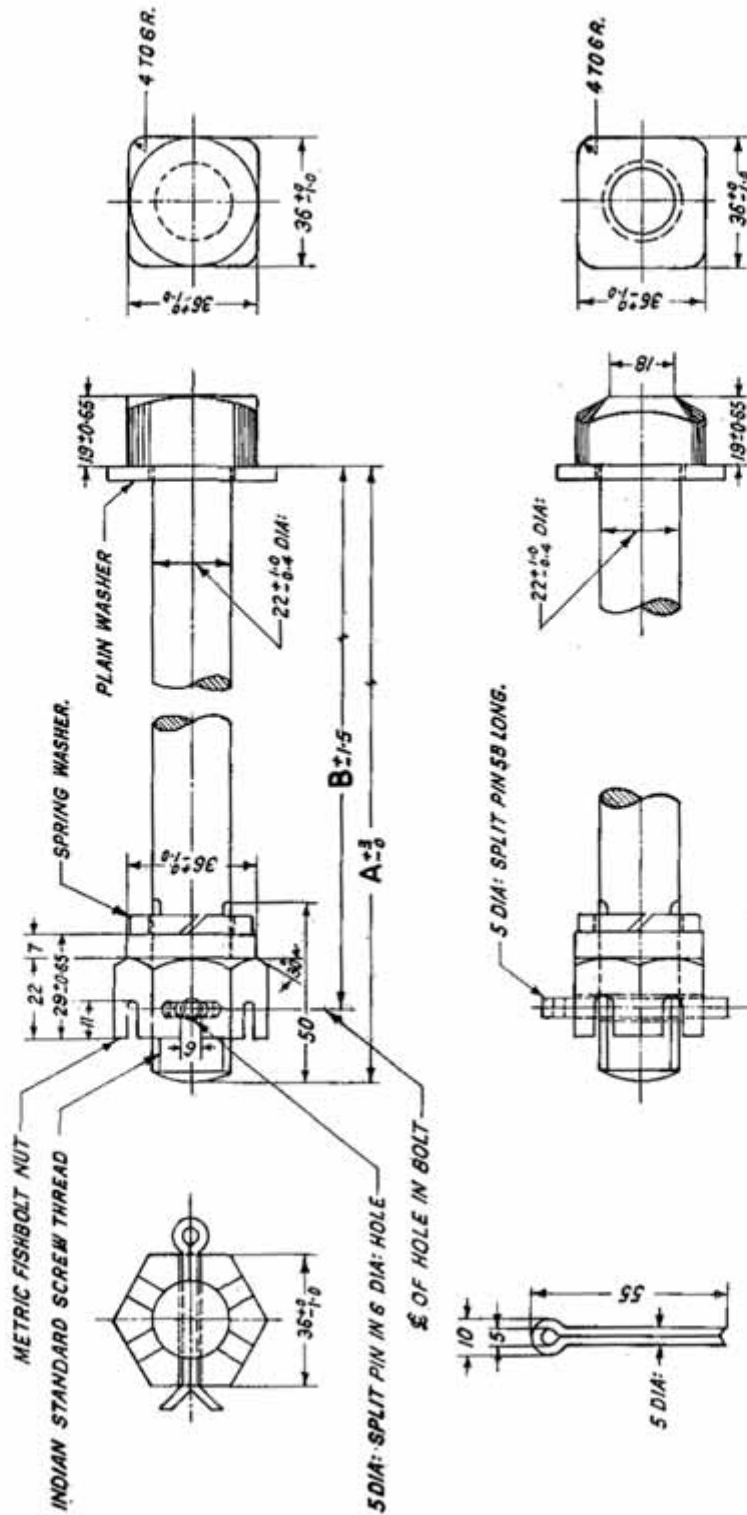
ALTERNATIVE DESIGN OF THE HEAD

TABLE OF DIMENSIONS

PART NUMBER	LENGTH (mm)		PART NUMBER		LENGTH (mm)	
	A	B	A	B	A	B
T 11652	230	208	T 11719	210	194	
T 11653	240	225				
T 11654	260	227				

DETAIL OF SPLIT PIN

22mm DIA: BOLTS WITH GROOVED NUTS FOR SWITCHES



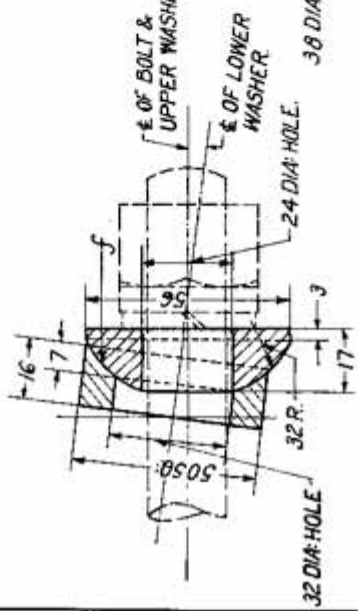
ALTERNATIVE DESIGN OF THE HEAD

TABLE OF DIMENSIONS

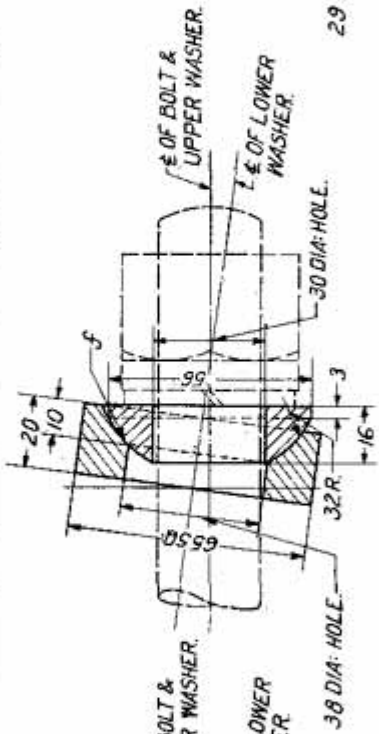
PART NUMBER	LENGTH (mm)		PART NUMBER		LENGTH (mm)	
	A	B	A	B	A	B
T 11 655	190	175	T 11 656	210	193	

DETAIL OF SPLIT PIN

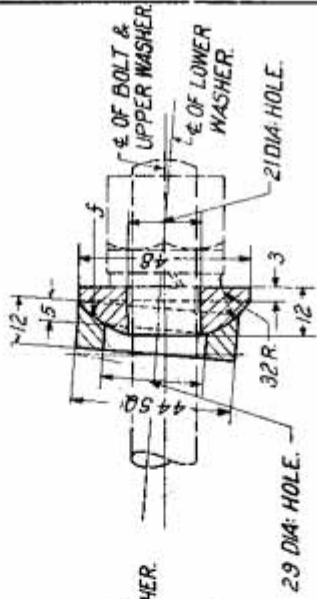
SPHERICAL WASHERS & SWITCH ANCHOR



T 10322

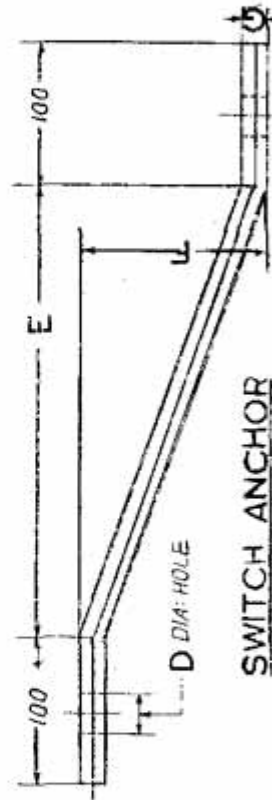
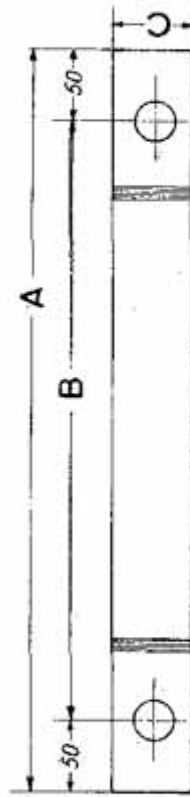


T 023 (M)



T 006 (M)

SPHERICAL WASHERS



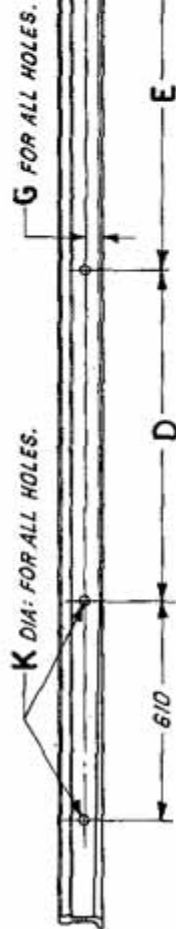
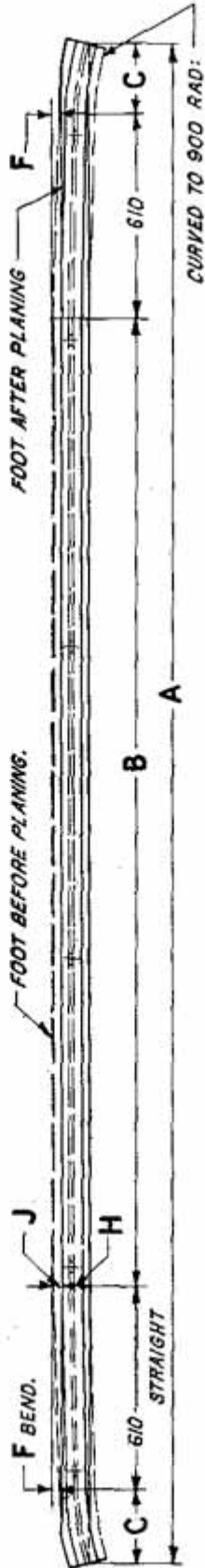
SWITCH ANCHOR

NOTE:-
MACHINED SURFACES SHOWN
THUS f

PART NUMBERS & MAIN DIMENSIONS

RAIL SECTION	FOR SWITCH LENGTH (<i>m m</i>)	PART NUMBER	GAUGE	D I M E N S I O N S (<i>m m</i>)						
				A	B	C	D	E	F	G
52 kg.	9750	T 10/15	B. G.	514	414	55	27	314	122.5	20
90 R.	9750	T 10/15	B. G.	513	413	55	27	313	124	20
90 R.	6400	T 10/11	B. G.	512	412	55	27	312	126	18
90 R.	4725	T 10/12	B. G.	500	400	55	27	300	155	18
75 R. & 60 R.	5485	T 10/13	M. G.	508	408	45	24	308	129	12
75 R. & 60 R.	4115	T 10/14	M. G.	498	398	45	24	298	154	12

TYPICAL CHECK RAIL



TSC 47
SHEET 1 OF 3

PART NUMBERS & MAIN DIMENSIONS

RAIL SECTION	GAUGE	PART NUMBER	DIMENSIONS (mm)										
			A	B	C	D	E	F	G	H	J	K	
52 kg	B.G.	T 19010	4880±40	3150	255±20	1005	1015	20	67	101.5	34.5	28	
90 R.	B.G.	T 19007	4860±40	3150	255±20	1005	1015	20	60	101.6	34.9	28	
90 R.	B.G.	T 19006	5790±40	4060	255±20	1310	1315	20	60	101.6	34.9	28	
60 R.	M.G.	T 19009	4570±50	2890	230±25	915	935	16	47.5	89	20.5	25	