



Timesegment Ltd



# Timesegment Limited

Timesegment Limited was established to manufacture Railway Signalling Equipment using patterns and tooling purchased from British Railways at the closure of the Reading Signal Works, and also the closure of the signalling workshops in Swindon. We were also supplied with drawings associated with cast parts. The sale also included the manufacturing rights, and this is recognised in our “Grandfather” rights PADS certificate issued originally by Railtrack. The Grandfather rights means it is recognised that we are the successors to the Reading Signal Works and as such we own the intellectual property rights to GWR and BR(W) signalling equipment.

Welcome to this the latest edition of the mechanical signalling catalogue. This edition features the Network Rail Pads Numbers allocated to Timesegment products. These numbers are also the same codes as used by NRS and TRS rail as their catalogue numbering. Most parts with PADS numbers are certified in accordance with Network Rail's product acceptance procedure. A growing number of parts now display two PADS numbers, the first number is the raw casting as in previous catalogues, the second number headed ‘Machined’ is the component in a ready to go state , supplied with bolts and pins as specified on the drawings. Important the absence of a number in the machined section does not mean that machining is not available, it just means that the number has yet to be allocated or confirmed. Where the same number appears in both columns, then the item is normally used ‘as cast’ or as manufactured for non cast items. A number of “Packs of items” will be added, these have their own PADS numbers where known.

Also featured are some of our LNER group patterns from the Leyton Works, as well as some Tyer & Company Parts. Lack of catalogue information has slowed a more detailed listing of the Leyton patterns. Please enquire further for LNER, Great Central, Saxby and Farmer, Tyer & Company, Westinghouse, and other contractor items which are not listed as we have an extensive drawing library which will allow us to manufacture many other signalling parts.

## ORDERING AND OTHER INFORMATION

Please read this section carefully.

### ANNETTS KEYS, ELECTRIC TOKEN KEYS etc

These items will normally only be supplied to Bona-fide Railway users against an official order.

### ORDER CODES Reading Signal Works originated patterns

Most GWR castings have a code number. Ferrous castings a letter prefix, e.g. A = Frame parts: G = Signal Parts; however parts that have been withdrawn by the former BR(W) works at Reading and then reissued do not necessarily have their original number but were often allocated ones in the 'V' and 'X' series. Please check here to see if the part you require is in this section. Included are the 1908 catalogue numbers where known to aid identification.

Non-Ferrous fittings, these in general do not have a letter prefix but are identified by a number only. The exemptions are non-ferrous items that featured in the 1908 catalogue where they have a letter series identical to ferrous items, as well as the 'S' series that is believed to have applied to some patterns made at Swindon Works. Some of these have been reissued with a Reading number. We have in this list attempted a level of cross-reference. This is not entirely accurate due to a conflict of numbers in some cases.

If you know the part number you require please when ordering a part or asking for an estimate please use the reference number. If you do not know the reference number please send a full description and preferably a dimensioned sketch of the part(s) required. It is recommended that even if you know the number a sketch or photograph and description should also be sent to avoid confusion particularly if reissued numbers are involved.

## Suffixes

Many parts have a suffix letter e.g. A or CA these in general indicate a later issue, possibly modified, these have been omitted from this catalogue as it not possible to guarantee issue. If you believe that a particular suffix is important please quote it and indicate suffix required and we will attempt to match.

\*c The pattern is incomplete and we cannot necessarily supply the part except if you are replacing a damaged component when we may need the damaged part; please enquire.

NA The Item is currently not available but please enquire further. The non availability is normally due to the pattern requiring an overhaul and lack of demand for the part has relegated repairs to the back of the queue.

R This is a non critical part and will be cast from an original item and hence due to shrinkage in the casting process may be slightly under size.

## NON GWR components

Most other company items have differing numbering systems please quote the number in the relevant section where given otherwise please supply as much information as possible. The **LNER** had a non consistent number system, and many parts were renumbered when drawings were reissued using a new numbering system. Contractor part numbers, are in many cases the drawing numbers, we have were ever possible followed the relevant companies normal procedure. Please not when it comes to **Tyer and Company** parts we have attempted to follow that companies convention, but as that company has had a number of owners, who have in some cases carried out significant redraws of drawings under their own branding, and in some cases have issued new drawing numbers, the current part numbers may not reflect historic numbers. The non-listing of a particular number does not mean we cannot necessarily supply that part, please enquire.

## **DESCRIPTIONS**

For GWR and BR(W) items these have been taken from old catalogues and drawings, we have attempted to correct obvious errors and omissions there are however still a number of unidentified parts shown “?” in the description column. The LNER group patterns originate from the Leyton signal works, for which we have no records. Identification is proceeding slowly against available information which includes our drawing library and the descriptions can only be regarded as a guide. No liability can be accepted for any errors in these descriptions. Contractor parts descriptions are usually taken from the most up to date drawings we have available.

## **DRAWINGS**

Drawing numbers where known have been included as an aid to part identification. Again no responsibility can be accepted for any errors, in many cases it is possible that the drawings quoted have been superseded we cannot guarantee that the castings produced will be to a particular drawing issue see note on suffixes. Customers who need parts to a particular drawing issue should supply a copy of the drawing they require the parts to be to. The listing of a drawing does not imply that we can supply a copy of that drawing.

## **MATERIALS**

The Foundries we use as subcontractors will make the castings using material to the relevant British Standards. All other parts are made using the original specification, except where this is now no longer possible, when alternative materials will be used, following the well-established principles adopted by British Railways for parts that can no longer be manufactured the way they were previously.

## **MARKINGS**

Castings will normally carry their pattern number but will not normally carry the letters GWR or BR(W), LMS, LNER etc. The main exception will be when the lettering forms a design as on some release instruments, in these cases the word 'Replica' or marks to

indicate the date or the supply or the User will be cast on a suitable surface. BRS–SM parts will normally carry their BRS–SM number and many parts may carry their PADS number, Parts may also have Network Rail branding where they have been supplied for use on the national network. Many parts will also carry a mark for foundry identification purposes. Major customers can in some cases have their identification mark added.

## **MACHINING**

Parts are normally supplied fully machined and ready to go. By special request we will supply un–machined castings for the customer to machine themselves. Copies of drawings are however not supplied.

## **FABRICATED ITEMS**

This list has mainly the cast products of Reading Signal Works. We do however manufacture most fabricated items e.g. Bracket signal structures; pull rods for signals, BR standard fabricated spectacle plates, and all associated pins etc. A number of the more common items are now listed after the cast items. This is only an indicative list, so please ask for further details giving information as to your requirements.

## **DIMENSIONS**

Most items were designed using the Imperial System, and the dimensions also forming part of the part name e.g. Four Foot Arm; Four Inch Lever Frame. Therefore all units of measurement are expressed in Imperial Units. Also where threaded components are supplied they will normally be supplied to the original Imperial Specification, normally Whitworth and BA, unless requested otherwise. Please note that when requesting non original thread specifications, the part may no longer comply with the PADS certification.

## **TERMS**

Unless other arrangements are agreed please apply for an estimate for the part(s) you require. On acceptance of the estimate a 50% deposit will be required, the balance being due prior to collection or delivery. All estimates are exclusive of carriage. Machining terms will be notified with the estimate for machining when requested. Prices will be held for 6 weeks but are subject to the foundry industry standard terms. Network Rail customers should normally order through the term supplier, however local purchase orders will be accepted.

## **FAULTY CASTINGS**

Due to the nature of the casting process all cast parts are supplied subject to the standard terms and conditions of the Foundry Industry, and our obligation does not extend beyond the replacement of faulty castings returned within 3 months.

## **NON LISTED PARTS**

We have an extensive library of BR; LMS, LNWR, LNER a few SR, Tyer and Westinghouse Drawings.

We undertake specials to order.

## **BRS-SM FITTINGS**

Our range of items in this section is being continually added to, at Network Rails request, we can normally supply fully functional items, rather than just the un-machined castings.

## **Overhauls**

We can undertake the overhaul of some parts including Token Instruments, please enquire for the current situation.



## NON SIGNALLING ITEMS

Following the closure of Swindon Historic Castings Ltd a number of patterns which are our property have been returned to us, and we have purchased others from a variety of sources. These are featured at the end of the catalogue.

### Copyright

© The manufacturing rights for all parts, formerly manufactured by the Reading Signal Works, were passed to Timesegment Limited, by British Railways on the closure of the Reading Signal Works.

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PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
<b>A</b>					<b>LOCKING FRAME COMPONENTS</b>
88/092512		A1C A4	A1	MD 8371	Footblock Space Lever 4" Centre 3 Bar Vertical Foot Block End Space 4" Centre 3 Bar Vertical see U66A see U66B see U66C
88/092515		A7		MA.6873	Crossbar Holder Lever Frame
88/092018		A9 A 13			Footblock Lever Frame Twist Frame 4" Centre Tappet Plate 9 x 10 – 4"centres Lever Frame 3 Bar
88/092027		A13	A13		Tappet Plate 9 x 11 – 4"centres Lever Frame 3 Bar
88/091794		A22		ME 8559	Ground Frame Quadrants End Left hand
88/091784		A23		ME 8359B	Ground Frame Quadrants Stud Locking, 5" or 5¼" Centre Class 6
88/091795		A24			Ground Frame Quadrant End Right-hand
88/091771		A32	A32	MA 6650/5	Distance Piece 2 Lever Wicket Detonator Frame
88/091780		A38		MB 7253A	Tappet Plate 1 or 2 Lever Frame Ground Frame Class 2
88/092663		A80		MD.7215B	Tappet Plate 4 x 4 – 5 ¼" centre 5 Bar
88/092454		A81			Tappet Plate 5 x 5 – 5" centre 5 Bar
88/092453		A81			Tappet Plate 5 x 1 – 4" Centre 5 Bar
88/092041		A82			Tappet Plate 5 x 2 – 4" Centre 5 Bar
88/092042		A83			Tappet Plate 5 x 3 – 4" centre 5 Bar
88/092665		A84		MD 6898B	Tappet Plate New pattern 4" Centre 5 Bar Vertical Locking 5 x 4
88/092043		A85			Tappet Plate 4 x 4 – 5 2 " 5 Bar
88/091763		A90		MD 7484/4	Locking Frame side Left Hand Ground Frame Class 2
88/091765		A91		MD 7484/4	Locking Frame side Right Hand Ground Frame Class 2
88/091782		A92		MD 7484/7	Locking Frame Quadrant Ground Frame Class 2
88/091770		A93		MA 7436	Distance Piece Ground Frame Class 2
88/091793		A94		MA 8997	Distance Ring Ground Frame Class 2 also 6A
88/092670		A95		ME 6010/101	Footblock Quadrant Lever Frame 5 Bar Vertical Locking 1926 Standard Frame
88/092044		A95CE		ME 7345B	Footblock Quadrant Lever Frame 5 Bar Vertical Locking

**B** **LEVER AND LOCKING FITTINGS**

88/092526		B5	B14/5	MB 6463/7C	Clip Box Old and New Pattern Lever
88/092534		B8		MB 7060A	Universal Type Lever Badge
88/091103			B13/4		Hand Lever Clip See GM 76 Lever Frame
88/092513		B15	B21	MB 8081A	Lever Cam Box 3 Bar VT 4" Centre Frame
88/092045		B21	B30	MB 7005/5	Lever Crank Plate 3 Bar H T Frame
88/092872	88/092873	B24	B39	MB 5982/19C	Lock Box Annetts Lock
88/092874	88/092875	B25	B38	MB 5982/17A	Lock Lid Annetts Lock

<b>PADS / N.R.S</b>	<b>Machined</b>	<b>GWR No.</b>	<b>1908 No</b>	<b>Drawing No.</b>	<b>Description</b>
88/092876	88/092876	B28	B43	MB 5982/11	Drop Piece Annetts Lock Old Pattern
	88/092877	B29		MB 5982/11A	Drop Piece Annetts Lock
			B45		See GM 235 Annetts Lock Key
			B66		See GM 201 Locking Frame Lug Joint
		B92*c			???
88/092522		B103	B27	MA 6862	Tappet Joint
88/092674		B105*			Lever Tail Shoe
88/092484	88/092485	B106		ME 6910B	Currently NOT available Lever Cam Box N.P.
88/092545	88/092546	B107	B23	MB 7572A	Cam Box Lid Lever Frame
		B108			???
88/092825		B112		MD 7082B	Lever Tail Shoe with Lug
		B113			???

## **C**

## **WIRE ADJUSTERS**

88/093557		C12	C12	MD 6415	Pulley Wheel 9in Wire Adjuster
		C13*c			
		C21	C21		Wire Adjuster Indicator Arrow
88/093522		C28	C28	MD 6912	Standard Wire Adjuster
			C31		Nut See GM 294 Wire Adjuster
88/093524		C35		MB 6971	Handle Hex. Head. Spindle Wire Adjuster

## **D**

## **PULLEYS AND FITTINGS**

88/093561		D17	D19	MB 6430	Pulley Wheel 10" Flat W.R. Pattern
88/093562		D20	D20	MB 6902	Pulley Frame Flat 8" or 10" Single
88/093565		D21c	D21	MB 6903	Pulley Frame Flat 8" or 10" Double
88/093566		D22c	D22	MD 6852	Pulley Frame Flat 8" or 10" Triple
88/093567		D25		MB 5890	Pulley Wheel 10" would suit chain
88/093568		D26c		MD 7107	Pulley Frame Vertical
88/093559		D34c	D26	MD 7240	Pulley Frame Vertical
		D27c		MA 6887B	Guide Large, Pulley Vertical
88/093569		D28		MD 7930-1	Pulley Wheel 10" Lightweight
88/093570		D30		MD 5802	Pulley Wheel 10" BR Pattern
88/093549		D31		MD 5800	Pulley Frame Flat 10" Single
88/093550		D32		MD 5800	Pulley Frame Flat 10" Double
88/093571		D33		MD 5800	Pulley Frame Flat 10" Triple
		D??		MD 5802	Pulley Wheel 14"
		D30		MD 5801	Pulley Frame Flat 14" Single
		D31		MD 5801	Pulley Frame Flat 14" Double
		D32		MD 5801	Pulley Frame Flat 14" Triple
88/093537		D35		BRS-SM-108A	Guides Vertical Wheels and Frames
88/093573		D37		MB.6020/34A	Pulley Frame Flat 14" Double
88/092027		D62		MB 6020/34A	Horizontal Crank Frame Single

<b>PADS / N.R.S</b>	<b>Machined</b>	<b>GWR No.</b>	<b>1908 No</b>	<b>Drawing No.</b>	<b>Description</b>
88/092029		D63		MD 6976	Horizontal Crank Frame Double

## **E**

## **DETECTORS AND DETONATOR PLACERS**

88/085349			E39		Adjusting Connection order as GM 300
88/074584		E59	E59	MD 2999/5C	Box Detector Old Pattern
88/074589		E60		BRS-SM101/1	Box Detector New Pattern
88/074583		E61		MA 8428/15	Blade Single Dummy BR Signal Detector
88/093792		E63	E63	ME 6951B	Bracket Detonator Placer
88/093793		E64	E64	MD 7254A	Cover Detonator Placer
88/093794		E73	E73	MB 7152	Link Detonator Placer
88/093017		E74			BR Standard Channel Rodding Wheel
88/093799		E75			Spacer Detector N.P
88/093795		E77		MA 8428/16	Detector Blade Double Dummy BR

## **F**

## **INDEPENDANT DISC AND FITTINGS**

88/092051	F7*	F7			Quadrant and Lever Independent Disc
	F28*c	F28			Disc Arm use F64
	F29*c	F29			Blinker use F65
88/092052	F41	F41			Pedestal with Detector mount Single Disc
88/092066	F42				Pedestal Single Disc
	F43*c				
88/092074	F47	F47	MB 7477		Spectacle Plate Independent Disc Old Pattern
	F57*c				
88/092301	F62		MD 7058		Pedestal I. D Double
88/092079	F63*				Pulley I. D. Single
88/092264	F64		MB 6407C		Arm I.D. Single, Double, Triple
88/092276	F65		MD 6157/24C		Blinker Independent Disc
88/092271	F68		MB 7221A		Bearing Independent Disc Tubular
88/092310	F69		MB 7045B		Lever Plate Independent Disc Tubular
88/092278	F70				Cap for Tubular I.D
88/092274	F71		MB 6325/2A		Blinker Independent Disc
88/092099	F72				Arm UQ I.D. Tubular
	F73		MB 7942		Lever Plate (Slot)
	F74				Boss for UQ Blinker Independent Disc, Fabricated Blinker.
	F75		MA 5530/29A		Back Clip for Lever plate or Bearing I.D. Tubular

## **G**

## **SIGNAL FITTINGS**

88/092123	G18*	G18			Cradle Casting
88/092135	G28	G28			Quadrant Sweep Casting L.H.
88/092136	G28	G28			Quadrant Sweep Casting R.H.
88/092137	G43	G43			Boss Plate 3'

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/092139		G43NA	G43		Boss Plate 4'
88/092005		G45	G45	MB 8307	Boss Plate Round Centre Pivot Arm
88/092140		G47	G47	MD 7550	Bearing N.P. For Spindle
88/092142		G49	G42		Signal Post Top (Finial)
88/092143		G58	G58		Arm Stop Casting S.B
88/092146		G62	G62		Guide For Rod Triple
88/092147		G64	G64		Guide For Rod Double
88/092148		G66	G66		Guide For Rod Single
88/092149		G67	G67		Guide For Rod Single
88/092151		G68	G68		Guide For Rod Single
88/092152		G76	G76		Boss For Blinker
88/091982	88/091985	G89	G89		Lever Plate Single
88/091983	88/091986	G90	G90	MD 9118	Lever Plate Double
88/092126	88/092131	G91	G91	MB 8210/3B	Weight, Dummy 12lbs
88/092153		G91	G91		Weight 50lbs Old Pattern
88/091984		G93	G90	MD 9213	Lever Plate 3 Levers
88/092154		G94	G90		Lever Plate 4 Levers
88/092128	88/092133	G96	G91	MB 8212/3A	Weight 30lbs
88/092129	88/092134	G97	G91	MB 8213/3	Weight 40lbs
88/092127	88/092132	G98	G91	MB 8211/3A	Weight 20lbs
			G118		Adjusting Screw order as GM 300 5/8> GM or Malleable Iron or Steel as required
88/092155		G123	G123		Washer C.I.
88/092156		G143	G143		Slip Arm Boss
88/092159		G157	G157	MD 7472	Boss and Spectacle Plate 12"Centre
88/092003		G158	G158	MB 6884	C.O. Arm Boss 7" Centre
88/092160		G159	G25		Arm Stop
88/092009		G170		MD 7067	Boss and Spectacle Plate Tubular Signal
88/091827		G171		MB 8215/1A	Back Blinker Boss 12"
88/094895		G172		MD 7231	Spindle Bearing Tubular Signal
88/092161		G173B*			Lamp Bracket Clip and Stop on Tubular Signal Early type
88/091908		G177		MB 6899	Rod Guide No.1
88/091007		G178			Rod Guide No.2
88/092118		G179		MB 6891A	Tubular Signal Post Top (Finial)
88/091837		G184	G51	MD 6067/7 MD 6894	Combined Lamp and Stop Bracket
88/091010			G52		As above Lamp Bracket Only
88/091846		G189		MB 5869	Currently not available Cap Tubular Signal 5 1/2"
88/091811		G191		MA 6750	Tubular Signal 5 1/2" Blocks
88/091011		G193			Tubular Signal Blocks
88/091012		G197			Arm Stop C,S & W
		G198			Bracket Fixed Signal Arm Tubular Signal Early Type Compatible with Timber Arms.
88/091843		G204		MB 6830	Top Strut Bracket 10 3/4 Bracket Signal
88/092031		G206		MB 5076/44A	Wire Crank Plate 1 Crank for 6 1/2" Tubular Mast

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/092033		G207		MB 6882A	Wire Crank Plate 2 Cranks for 6½" Tubular Mast
88/091956		G208		MD 6858	Single Lever Plate for 5½" Tubular Mast
		G209		MD 7284	Triple Lever Plate for 5 ½" Tubular Mast <b>also does Slot with Modified Levers to Drawing MB 8122/1</b>
88/091959		G210		MD 6920	Single Lever Plate for 6½" Tubular Mast
88/091831		G220		MD 6962	Bracket Fixed Signal Arm Tubular Signal
88/091848		G221		MB 7056	Bracket Signal Cap 10¾" dia. Bracket
88/091844		G222		MB 6842A	Bottom Strut Bracket 10¾" Bracket Signal
88/091807		G223		MB 6931B	Bracket Signal Blocks 10¾" angle Iron 2½" Gap
88/091809		G224		MB 6932D	Bracket Signal Blocks 10¾" angle Iron 3" Gap
88/092035		G225		MD 7169A	Double Crank Plate 10¾" dia. Bracket Signal
88/092037		G226			Triple Crank Plate 10¾"dia. Bracket Signal
88/091863		G227		MB 7226B	Clip for Lamp Bracket, Revolving Type on Tubular signal
88/091834		G228		MB 6292	Revolving Lamp Bracket early type lamp table clamp fixing
88/091834		G228		MB 6930/5A	Revolving Lamp Bracket revised version lamp table bolt fixing
88/092116		G229		MB 6930/3	Revolving Lamp Bracket Table
88/091868		G231			Lamp Bracket with Arm Stop U.Q.
88/091016		G233			Blinker Upper Quadrant
88/091017		G234			Boss and Spectacle Plate U.Q. LMS Style can be cast to take GWR arms
88/091018		G235			Boss and Spectacle plate GW style Upper Quadrant (Oxford Type)
88/091019		G236			Lamp Bracket Tubular Signal
88/091024		G237			Spindle Bearing Tubular Signal
88/091025		G238		MB 7478	Lamp Bracket Clips B.S. U.Q. Signal <i>Used to Adapt WR Standard 7" Lamp to B.S. U.Q</i>
88/091026		G239*c			Base for 6½" Tubular Mast
88/091027		G240*c			Base for 5½" Tubular Mast
88/091883		G241		MB 6942	Duct Entry for 5½"Tubular Mast
88/091028		G242			Rear Cover Colour Light Signal?
88/091029		G242			Lever Plate 7 Levers
88/091960		G244			Lever Plate Double 6½" Mast
88/091957		G245		MD 7284	Lever Plate Double 5½" Mast
88/091031		G246		MB 6569	Strut Bracket Bottom 30' Angle
88/091845		G247		MB 6568	Strut Bracket Top 30' Angle
88/091032		G248			Channel Support Block Standard Bracket Signal
88/091046		G249			Channel Support Block Standard Bracket Signal
88/091120		G250			Channel Support Block Standard Bracket Signal
88/092162		G251			Lever Plate 5 Levers (Route Indicator)
88/092125		G252		MB 8403	Lever Balance Weight 7lb.

## J

## SUNDRY FITTINGS

<b>PADS / N.R.S</b>	<b>Machined</b>	<b>GWR No.</b>	<b>1908 No</b>	<b>Drawing No.</b>	<b>Description</b>
88/092069		J4	J4	MB 8410	Bearing Signal Selector
88/092489		J7	J7	MA 7438	Lever Collar 4" Centre (Reminder Collar)
88/092163		J7A*	J7A		Distance Piece 1 3/8
88/092164		J8			Staff/Token Picking Up Box Base Tubular Mast
88/092165		J9			Staff/Token Setting Down Horn Blocks Tubular Mast
88/083658		J10			Staff/Token Setting Down Frame Net Clips
88/083661		J11		MA 7440	Staff/Token Net and Frame Clip Front Plate
		?			Picking Up Box Single Sided
		?			Flap for Single Sided Box
		?			Picking Up Box Double Sided
		?			Flap For Double Sided Box

## **K**

88/093003		K1	K1	MB 6020/2	Crank Pedestal Cheek 4" Centres
88/093005		K3		MB 6020/3	Crank Pedestal 4" Centre
88/093576		K20	K29	MB 6535/3A	Crank Base Low
88/093579		K30	K30	MD 6020/8A	Crank Plate L.S.
88/093006		K31	K31	MD 6020/23A	Crank Plate 4" Centre, H.S.
88/093615		K36	K36	MA 7050	Dust Cover
88/093007		K41		MD 7263B	Crank Mounting Plate 4' 6"
88/093008		K42		MD 7264A	Crank Mounting Plate 3' 6"
88/093605		K43		BRS/SM 216	Cap Centre Pin Crank & Compensator

## **CRANK BASES**

## **L**

88/093009		L11	L11	MB 6020/36A	Compensator Plate New Pattern
88/093578		L20			Compensator Base

## **COMPENSATOR BASES**

## **M**

88/093010		M6	M6		Lamp Stand
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## **POINT DISK**

## **P**

88/092979		P12	P12	MB 7041	Parallel Bar Inside Stop
88/092979		P31	P31		Parallel Bar Bull Head Check Rail Bracket
88/093002		P100		BRS-SM 303	F.P.L Plunger Base
88/093013		P101		BRS-SM 303	F.P.L Detector Slide
88/093005		P102		BRS-SM 303	F.P.L Slide Cover
88/093008		P103		BRS-SM 303	F.P.L Plunger Cover
88/093011		P151*			F.P.L Plunger Base New Pattern
88/930012		P152			F.P.L Bolt Lock Cover New Pattern
88/075357		P154			F.P.L Detector Bolt Lock New Pattern

## **FACING POINT FITTINGS**

<b>PADS / N.R.S</b>	<b>Machined</b>	<b>GWR No.</b>	<b>1908 No</b>	<b>Drawing No.</b>	<b>Description</b>
86/075531		P160		BRS-SM 315/1A	F.P.L Plunger Base Mk II
86/075151		P161		BRS-SM 315/2A	F.P.L Detector Slide Mk II
86/075355		P162		BRS-SM 315/4  BRS-SM 315	Cover For Mk II see Aluminium Section Cover Mk 1 Facing Point Lock Complete Mk 11 Facing Point Lock Complete

## Q

88/093825		Q8	Q5		F.B. Bracket
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## FOULING BAR FITTINGS

## S

88/093014		S7A	S7A	MD 3783/4	Travelling Roller Sides
88/093115		S9A S11	S9	MA 3783/6	Travelling Roller Wheels Solid Rodding Adjusting Screw Order as GM 70 state 1 ¼" Adjusting Screw
88/093058		S21		MD 6797/3	Roller Box Solid Rodding New Pattern
88/093116		S22		MA 6797/4	Roller Box Wheel Solid Rodding
88/093056		S27	S27	MD 6116/4	Saddle Brackets
88/093057		S28	S28	MD 6116/3	Saddle Brackets for Hinges
88/093117		S49		MA3783/5B	Travelling Roller Wheel Channel Rodding

## SUNDRY POINT FITTINGS

## T

88/091116		T1			Gate Dirt Cover 3
88/091114		T2			Gate Dirt Cover 2 ¼
88/091112		T3		MB 6716/4	Gate Dirt Cover 2 ¾
88/091201		T8			Gate Shield Bracket Large
88/091091		T9			Gate Shield Bracket Medium
88/091318		T10			Gate Shield Bracket Small
88/091089		T20		ME 6720/3A	Gate Roller Box
88/091376		T21		MB 6720/4A	Gate Roller Box Wheel
88/091350		T22			Tumbler Stop also numbered X39
88/091269		T26			Gate Rollers Friction
88/091373		T31	T31	MB 6584/13	Gate Wheel Standard, without Boss
88/091374		T31	T31	MB 6584/13	Gate Wheel Standard, with Boss
88/091249		T33	T47	MD 6667	Medium Gate Post Half Round Flange
88/091247		T34	T47	MD 6665	Small Gate Post Half Round Flange
		T36			See GM 50-59
88/091141		T38	T42	MB 5706/25	Gate Quadrant Flange
88/091139		T39	T42	MB 5706/25	Gate Quadrant Flange 2 ½" Spindle
88/091137		T40	T42	MB 5706/25	Gate Quadrant Flange 2 ¼" Spindle

## LEVEL CROSSING FITTINGS



PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/091128		T43	T43	MA 5706/27	Gate Spindle Cup Large
88/091379		T45?			Bearing
88/091259		T46	T46	MB 6682	Gate Quadrant Rack
88/091046		T48			Square Base for Gate Post
88/091354		T50	T50	ME 6772/52A	Gate Stop Top – State Rise
88/091337		T52	T52	MB 6772/4C	Gate Stop Sides Road and Line Stop
88/091358		T53	T53	MB 7772/50	Gate Stop Tumbler Large
88/091042		T55*c			
88/091044		T56	T48	MD 5706/5	Gate Post Base Large
88/091311		T64	T64	MB 6772/49	Gate Stop Roller Box
88/091233		T100	T100	MD 7077/3A	Gate Crank Plate Large
88/091371		T101	T101	MA 7077/5	Gate Crank Cap
88/091231		T104	T104	MD 6698/3	Gate Crank Pedestal
88/091288		T106	T106		Gate Crank Spindle
		T109			See GM 70
88/091273		T110	T110	MD 7960	Gate Shoe Long Right Hand New Pattern
88/091274		T111	T110	MD 7960	Gate Shoe Long Left Hand New Pattern
88/		T116	T116	MB 6607/3	Bottom Gate Hinge Large 3"
88/091155		T117*c	T117	MB 6607/5	Top Gate Hinge Large 3"
88/091147		T118*c	T118	MB 6609/3	Bottom Gate Hinge Small
88/091153		T119	T119	MB 6609/5	Top Gate Hinge Small
88/091148		T120		MB 6608/3	Bottom Gate Hinge 2 ½" Spindle
88/091154		T121		MB 6608/5A	Top Gate Hinge Medium 2 ½" Spindle
88/091096		T128	T128	MB 6756/3A	Revolving Lamp Bracket Bridge NB T182 In BR Catalogue
		T130			See GM 355
88/091224		T137*		ME6993	Gate Lock Cover
88/091199		T138*	T138	MB 7039	Gate Lock Bottom
88/091384		T143			Stop Guide
88/091391		T144			Stop Guide
88/091194		T145	T145		Gate Latch Stop R.H.
88/091192		T146	T146		Gate Latch Stop L.H.
88/091186		T149	T149	MB 7235	Gate Latch Handle Left Hand
88/091188		T150		MB 8517	Gate Latch Handle Right Hand
88/091240		T155	T155	MB 7244	Lock Crank Plate
88/091157		T161	T161	MB 6845	Gate Hinge Bottom
88/091098		T164*c	T164	MA 8749	Cap Gate Post 10"
88/091461		T168	T168	MB 5706/105	Wicket Gate Hinge R.H. Old Pattern
88/091158		T169	T169	MB 5706/105	Wicket Gate Hinge L.H. Old Pattern
88/091393		T170	T160	MB 5706/105	Wicket Gate Hinge Central Old Pattern
88/091279		T180	T180	MB 6650/3A	Gate Lever Side R.H. also Detonator Placer Frame
88/091278		T181	T181	MB 6650/3A	Gate Lever Side L.H. also Detonator Placer Frame
88/091258		T190	T190	MB 6650/13	Lever Frame Quadrant also Detonator Placer Frame
		T194			??
88/091136		T195	T195		Cover Plate Frame Large.
88/091395		T196	T196		Road Stop Cover Left Hand

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/091401		T197	T197		Road Stop Cover Right Hand See GM 70
88/091253		T202	T202	MB 5706/13	Shutting Post N.P.
88/091102		T203	T203		Cap Shutting Post
88/091040		T204	T48		Base Small Half Round for Gate Post
88/091150		T205			Hinge Wicket Gate, L.H
88/091151		T206			Hinge Wicket Gate, R.H
88/091152		T207			Hinge Wicket Gate, Central
88/091216		T210			Gate Lock
88/091221		T211			Gate Lock Nib
88/091291		T212		MD 6589/9A	Gate Step Bracket 9
88/091293		T213			Gate Roller Bracket
88/091295		T214		MA 6589/12A	Gate Spindle Cup N.P.
88/091299		T215		MA 6589/8A	Gate Roller New Pattern
88/091118		T216*c		MD 5706/42	Road Stop Cover Large L.H.
88/091402		T217*c		MD 5706/42	Road Stop Cover Large R.H.
88/091313		T218			Tumbler Box Post Mounted Gate Stop
88/091356		T219			Tumbler Post Mounted Gate Stop
88/091403		T221			Gate Stop Tumbler Post Mounted
		T222*			????
88/091408		T223			Gate Hinge
88/091409		T224			Gate Hinge Cap
88/091410		T227		MD 8248/7B	Base For Post 2¼" Dia.
88/091362		T230		ME 6772/69	Road Stop 10" Rise
88/091366		T232			Road Stop Cover 10" Rise L.H.
88/091361		T233			Road Stop Cover 10" Rise R.H.
		T234*c			???
88/091419		T235			Road Stop Top 6 ½" Rise 1 in 24
		T236*c			???
		T237			????
88/091429		T239			Road Stop Top 6½
88/091439		T240			Road Stop Cover 6½" Rise R.H.
88/091443		T241			Road Stop Cover 6½" Rise L.H.
88/091445		T251			Crank Block
88/091448		T252			Cover Road Stop
88/091450		T255			Road Stop Cover 12" Rise Note When ordering Road Stop Tops please State Rise Lap and Gradient as there are a number of duplicate numbered patterns with different parameters Gate Quadrants various sizes available 12" : 10 33/64" : 20 13/32" : 12 3/5" : 22 1/64" : 21" : 10" : 26" : 18" : 19 15/16".

## U

## SIGNAL BOX FITTINGS

88/092736		U7	U7	MD 7166	Soot Box
88/092167		U9	U9		Stove Front Bar

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/092737		U11	U11	MB 7285	Soot Box Door
88/092168		U12	U12		Door Knob
88/092169		U21	U21		Fire Brick Right Hand
88/092173		U22	U22	MD 8063??	Fire Brick Back
88/092174		U23	U23		Fire Brick Left Hand
88/092176		U24	U24		Grating (marked X1)
88/092753		U28	U28	MB 6861	Roof Stove Pipe Sleeve 6"
88/092743		U29	U29	MD 7992	Roof Stove Pipe Collar
88/092179		U33	U33		Shelf Bracket 10 ½" x 10 ½"
88/092180		U36R	U31		Ventilator Casting
88/092181		U41	U41	MB 6856	Flag Bracket Stand
88/092183		U42	U42		Flag Bracket Socket
88/092185		U48	U48		Timber Box Standard
88/092191		U49	U49		Brick Box Standard
		U61	U61	MD 6070/37	Bracket Staging Truss
88/092192		U62	U62		Stage Bracket
88/092654		U66A	A5	MB 7558	Adjusting Plate One Hole
88/092482		U66B	A6	MD 6070/38	L.F. Truss Bracket
88/092193		U66C	A7	MD 6070/38	L.F. 2 Hole Adjusting Plate 10" Centre. Overall size 1'4" x 5"
88/092646		U66D		MB 6945	L.F. 2 Hole Adjusting Plate 8½" Centre for 5 bar 4" centre VT Frame. Approx Overall size 1' 23/8" x 5"
88/092194		U71	U71	MB 6913	Shoes Lever Frame 14" x 5"
88/092195		U74	U74		S Plate
88/092196		U75	U75		Door Plate
88/092197		U76	U76		T Plate
88/092198		U79	U79	MB 6909	Step Plate
88/092768		U80	U80	MB 6022A	Step Bracket
88/092199		U83	U83	MD 8480	Pipe Rail Standard
		U94	U94		Signal Box Nameplate
88/092200		U102	U102		Range Fitting Fire Cover Plate – Stove U1
88/092201		U105	U105		Range Fitting Oven Bottom – Stove U1
88/092202		U108	U108		Range Fitting Cheeks Back – Stove U1
88/092203		U109	U109		Range Fitting Cheek R.H. – Stove U1
88/092204		U110	U110	MB 8037	Range Fitting Cheek L.H. – Stove U1
88/092211		U112	U112		Range Fitting Grating – Stove U1
88/092212		U114	U114		Range Fitting Ash Pan – Stove U1
88/092216		U117	U117		Range Fitting Oven Door Hinge – Stove U1
88/092217		U118	U118		Range Fitting Fire Door – Stove U1
88/092218		U119	U119		Range Fitting Front Fire Bars – Stove U1
88/092219		U123	U123		Range Fitting Front – Stove U1
88/092222		U125	U125		Range Fitting Tray – Stove U1 & U1A
88/092223		U131	U131		Range Fitting Top Plate – Stove U1A
88/092227		U132	U132		Range Fitting Side Right – Stove U1A
88/092228		U133	U133		Range Fitting Side Left – Stove U1A
88/092229		U134	U134		Range Fitting Back – Stove U1A

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/092740		U135	U135	MD 8144	Range Fitting Cheek Back Large – Stove U1A
88/092741		U136	U136	MD 8033	Range Fitting Cheek R.H. Large – Stove U1A
88/092742		U137	U137		Range Fitting Cheek L.H. Large – Stove U1A
88/092230		U138	U138		Range Fitting Oven Back Large – Stove U1A
88/092752		U139	U139		Range Fitting Oven Bottom Large – Stove U1A
88/092237		U140	U140		Range Fitting Oven Door – Stove U1A
88/092243		U141	U141		Range Fitting Oven Door Hinge – Stove U1A
88/092253		U142	U142		Range Fitting Oven Door Latch – Stove U1A
88/092745		U143	U143	MB 8017	Range Fitting Grating Bottom Large – Stove U1A
88/092266		U144	U144		Range Fitting Grating Frame – Stove U1A
88/092746		U145	U145		Range Fitting Fire Bars Front – Stove U1A
88/092268		U146	U146		Range Fitting Fire Door – – Stove U1A
88/092327		U147	U147		Range Fitting Front – Stove U1A
88/092328		U148	U148		Range Fitting Ash Pan – Stove U1A
88/092750		U149	U149	MB 8765	Range Fitting Fire Cover Plate – Stove U1A
88/092751		U150	U150	MB 8314	Range Fitting Round Cover Plate – Stove U1 & U1A
88/092329		U151	U151		Range Fitting Middle Plate – Stove U1A
88/092332		U152	U152		Range Fitting Flue Plate – Stove U1A
88/092333		U153NA	U153		Range Fitting Plinth – Stove U1 & U1A
88/092744		U154	U154	MB 7915	Range Fitting Damper – use with U11
88/092334		U156	U32		Chimney Cowl – Cast rather than fabricated
88/092337		U189		MD 7752	Nelson No.1 Stove Sleeve Adapter
88/092755		U190		MD 8611	Signal Box Stove Sleeve adapter (5" to 6")
88/092338		U191		MD 8612	Signal Box Stove Sleeve adapter (4" to 6")

## V

## ELECTRICAL DETECTORS CONTACT BOXES AND REISSUED ITEMS

		V1A*			?
88/092340		V3			Mounting Frame Spring Cushion?
88/092341		V5		MA 6070/8	Sash Roller Frame Part of U43
88/023095	88/023096	V6		MB 5573/3	Lever Contact Base
88/023013		V35			Crank Pedestal Cap see section K
88/023125		V36		MD 5834/7	Contact Box Base 4 way
88/023127		V38		MD 5834/6	Contact Box Base 6 way
88/023129		V44		MD 5834/5	Contact Box Base 8 way
		V45*c			???
88/091762		V59			Annetts Lock Carrier see section B
88/093809		V77		ME 7260C	Detonator Placer 3 Shot
88/093800		V79		MB 7826/3A	Detonator Placer 3 Shot Cover

<b>PADS / N.R.S</b>	<b>Machined</b>	<b>GWR No.</b>	<b>1908 No</b>	<b>Drawing No.</b>	<b>Description</b>
88/093810		V80		MB 6650/10	Clip Box Detonator Placer Lever Frame see also section B and T
88/092342		V91		MB 7987	Portable Forge Weight
88/092343		V92			Portable Forge Wheels
88/092345		V95		MD 7551	Portable Forge Blast Pipe
88/092791		V98		MB 7981 /1	Forge Weights Large
88/092789		V99		ME 8079	Forge Pipe Joint Connection
88/092348		V131		MB 7476	Lever Bearing for Class 6 frame also Suits Class 2 Ground Frame
88/083415		V144A		MD 7234A	Occupation Key Box Front
88/083413		V145		MD 7223B	Occupation Key Box Back
88/083414		V146		MB 7224A	Occupation Key Box Base
88/083416		V147		MB 7225B	Occupation Key Box Bridge Plate
88/023621		V163			Cable Protector No. 1
88/023622		V164		MB 6070	Cable Protector No. 2
62/070110		V180*c		MB 3987/133	End Bracket Facing
62/070114		V182		MB 3987/135	Ramp Bracket No. 2 1 Hole (Intermediate)
62/070115		V183			Ramp Bracket Trailing Piece
88/092352		V189			5" Spectacle Ring see section G
88/092354		V196			Rocking Shaft Bracket see section P
88/092974		V197		MB 6001/1A	Rocking Shaft Sleeve
88/092358		V203		1811	Scotch Block GWR padlocked type also numbered 492A and N2703
88/092367		V204		1811	Base for GWR Scotch Block
88/092688		V205		MA 7428	Tappet Plate Pipe Support see section A and U
88/092368		V212			Boss Additional Weight for Some G43 – 4ft to make special arm or to convert to 5ft version
88/092381		V214	G150		Spectacle Plate Additional Weight as G150
88/083656		V216			Staff Angle Bracket
88/092924		V220		MB 7238	Lid, Token Key Lock
88/092922		V221		MB 7242A	Box, Token Key Lock
88/092926		V222		MG 5988/1B	Cover, Keyhole Token Key Lock
88/023152		V223			Fouling Bar Rotary Type Cover see section Q
88/023011		V224*			Duct Entry Pipe?
88/023685		V225		MB 7217	Cable Hook 1 way
88/023686		V226		MB 7218	Cable Hook 2 way
88/023687		V227		MB 7219	Cable Hook 3 way
		V228*c			
62/070111		V230		MD 8608	A.T.C. Ramp Facing End Bracket
62/070112		V231		MD 8609	A.T.C. Ramp Trailing End Bracket
62/070113		V232		MB 9711/1	A.T.C. Ramp Centre Bracket
		V240*c			

## **X REISSUED ITEMS AND ELECTRIC TOKEN INSTRUMENTS**

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
88/092399		X1	G176		Signal Lever Plate 6 ½" Tubular Post 3 Levers Early tubular post design uses timber post style levers
88/092401		X2			Front Spectacle Large Disk
88/092402		X3			As X2 only no provision for Spectacle Glass
88/092407		X4*			Step Bracket 8
88/092411		X5*			Step Bracket 26
88/062416		X10			Gear Wheel Bush
88/092419		X11		MB 7918	Auto-Clearance Bar Spring Cushion Bearing
88/092735		X12		MD 8650	6" Bend Stove Pipe
88/092420		X16			Magazine Plate Token Instrument
88/092421		X19			Driving Arm Lever Plate
88/092422		X20		MD 8177	Front Intermediate Token Instrument
88/092423		X21		MD 8201	Back Intermediate Token Instrument
88/083440		X22		MD 8203	Base Intermediate Token Instrument
88/083002		X23			Bracket Token Instrument - Terminal & Intermediate
88/083005		X40		MB 7878	Plate, Crank Escapement
88/083006		X43			Independent Disc Arm
88/083007		X44			Front Token Instrument
88/083239		X45			Back Token Instrument
88/083010		X46		MD 6939	Base Token Instrument
88/083012		X47			Blast Pipe for Small Black Smiths Forge
88/083015		X57		MB 8652	Derailment Bars 5'0" Long
88/083039		X59	S24		Stop Tap Surround
88/083044		X60	S23		Stop Tap Lid
88/083046		X63		MA 9249	Derailment Bar Bracket
88/083048		X64			Lever Frame Cam Box similar B21
		X68*c			???
88/083050		X72			Duct Taper Joint Duct Taper Joint
88/083051		X74			Independent Disc Spectacle as X43 but for use with Straight edge glass
88/083054		X85			Spacer Level crossing Gate Post Base?
88/083055		X100*c			Signal Plate Large, 6 levers
		X101Ac			see T204
88/083056		X110			Lever Frame Quadrant 4" Centre Converts Class 6 Frame from 5" or 5¼" to 4
88/083057		X111*			Telephone and Battery Cupboard Weight
88/083059		X112?			
88/083066		X115			Lever Clip Box (Saxby and Farmer)
88/083067		X116			Gate Latch Stop R.H. see Section T
88/083072		X117			Gate Latch Stop L.H.
		X130			?
		X132			?
88/083075		X133			Bridge Piece? possibly U155 Floor Fastener
88/083079		X134			Pole Base Dia 5½ Dia possibly for early colour light signals

PADS / N.R.S	Machined	GWR No.	1908 No	Drawing No.	Description
					on gantries
88/083080		X143			Drip Loop Lid
88/083081		X144			Drip Loop Base
		X146			?
88/083082		X152	G90(4)		Signal Pole Lever Plate For 4 Levers
88/083085		X153			? Large Right Angle Thing
88/083094		X155			Tubular Pole Top?
88/083095		X158			Special Lever Quadrant (possibly Mckenzie)
88/083097		X160			? Bracket Fits on to rail with a vertical bearing
88/083098		X164			25" Off-Set Bracket For 5 ½" O.D. Pole
		X165?			
88/083099		X167			Clip Block for 5 ½" & 6 ½" -Former Male
88/083100		X168			Clip Block for 5 ½" & 6 ½"-Former Female
88/074413		X171		MA 7843/12A	Letter Plate "A"
88/074414		X172		MA 7843/13A	Letter Plate "B"
88/074415		X173		MA 7843/14A	Letter Plate "N"
88/074416		X174		MA 7843/11B	S&T Cable Indication Plate with Arrow Two versions available
88/074431		X175			Letter Plate "K"
88/074427		X176		MA 7843	Letter Plate "J"
88/074428		X177		MA 7843	Letter Plate "S"
88/074429		X178		MA 7843	Letter Plate "Q"
88/074417		X179		MA 7843/9A	Number Plate "0"
88/074418		X180		MA 7843/1B	Number Plate "1"
88/074419		X181		MA 7843/2A	Number Plate "2"
88/074420		X182		MA 7843/3A	Number Plate "3"
88/074421		X183		MA 7843/4A	Number Plate "4"
88/074423		X185		MA 7843/6A	Number Plate "6"
88/074425		X187		MA 7843/8A	Number Plate "8"
88/074426		X188		MA 7843/10	Number Plate "9" order X185 (its the same)
88/074432		X189		MA 7843/19	Letter Plate "C"
88/074434		X190			Letter Plate "D"
88/085003		X191			? Handle
88/085004		X192			? Cam similar Webb & Thompson Inst.
88/074435		X193			Letter Plate "E"
88/085005		X194			Long Arm
88/085006		X195			Corner Piece?
88/085007		X196			Cam
		X205*c			
		X208*c			
88/085008		Z1		MD 7062	Plate Stay Small
88/085010		Z2		MD 7061	Plate Stay Large

PADS / N.R.S

GWR No.

1908 No.

Drawing No.

Description

**NON FERROUS PARTS****ALUMINIUM**

88/085011	P162		BRS-SM 315/4	Cover Facing Point Lock Mk11
88/026498	T227		MD 8248/7B	Base Lifting Barrier Control Pedestal.
88/083637	1020		MA 5825/24	Token Key Unmachined
88/083461	1020/N			Token Key Patt "No Configuration"
88/083462	1020/A			Token Key Patt "A"
88/083463	1020/B			Token Key Patt "B"
88/083464	1020/C			Token Key Patt "C"
88/083465	1020/D			Token Key Patt "D"
88/085012	1021			Stencil Speed Lamp 5 m.p.h
88/085013	1022			Stencil Speed Lamp 10 m.p.h
88/085014	1023			Stencil Speed Lamp 15 m.p.h
88/085015	1024			Stencil Speed Lamp 20 m.p.h
88/085017	1025			Stencil Speed Lamp 25 m.p.h
88/085018	1026			Stencil Speed Lamp 30 m.p.h
88/085019	1028			Stencil Speed Lamp 35 m.p.h
88/085020	1027			Stencil Speed Lamp 40 m.p.h
88/026503	1005			Token Carrier Bracket
88/085021	1008			Tablet Pocket 4
88/085022	1009			Tablet Pocket 4¼
88/026507	1010			Token Key Pocket.
88/083633				Token Holder Hoop Complete for Hand Exchange
88/085023	1029		MD 8485	Plate C Lamp
88/085024	1030			Plate T Lamp
88/094763	1031		MB 8498	Mounting Screen T Lamp Supersedes 1030 formerly S250
88/094764	1032		MB 8485	Mounting Screen C Lamp Supersedes 1029 formerly
	?			S&T Cable Marker Plate

NB 1031 & 1032 are used with printed Perspex screens, 1029 and 1030 are the original cast metal versions for use with the clear front screen see also drawing MB 6241/44 & MB 8485

**GUN METAL**

88/085025	2		MA5076/61	Angles for Spectacles
88/085026	4			Resetter Arm Terminal & Intermediate Token Instrument
88/085027	5			Lock Guide Terminal & Intermediate Token Instrument



<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/023006	8			Fasteners Lineside Cupboard Left hand formerly S 506
88/023007	8			Fasteners Lineside Cupboard Right hand formerly S 507
88/023150	10			Contact, Fouling Bar Box, Rotary Type.
88/023156	11			Fastener Nut Rotary Fouling Bar (Weight Bar)
88/023118	12		MA5469B	Contact Box Strip
88/023398	13			Boss Slot Box
88/085028	15			Bridges Commutator
88/085029	19			Bracket Small
88/085030	20			Spring Bracket Electric Lock
88/085031	21		MA 5825/15	Base Galvanometer
88/085032	22		MA 5825/15	Bezel Galvanometer
88/085033	23			Key Boss Occupation Box
88/085034	24		MG4605/1 item 31	Ringling Key Bracket Token Instrument
88/085035	25			Coil End (ATC) was 640
88/085036	26		MG4605/1 item 31	Ringling Key Strip 8" x 7/8"x 1/2" was S101 Token Instrument
88/085037	27			Double Flange Roller for use with V5 to make U43
88/083478	29			Commutator Segment Token Instrument was S92
88/083479	30			Commutator Segment Token Instrument was S93
88/083480	31			Commutator Segment Token Instrument was S94
88/083481	32			Commutator Segment Token Instrument was S95
88/083482	33			Commutator Segment Token Instrument was S96
88/083483	34			Commutator Segment Token Instrument was S97
88/083484	35			Commutator Segment Token Instrument was S98
88/083485	36			Hinge Piece 10" Token Instrument
88/094720	43			Round 12" x 1 1/4
88/091069	50		MB 6656/3	Gate Hinge Bearing Bottom Medium New Pattern
88/091070	51		MB 6656/3	Gate Hinge Bearing Top Medium New Pattern
88/091060	52		MB 6657/3	Gate Hinge Bearing Bottom Medium Old Pattern
88/091061	53		MB 6657/3	Gate Hinge Bearing Top Medium Old Pattern
	54		MB 6659/3	Gate Hinge Bearing
88/091063 & 4	56	T36	MB 6659/3	Gate Hinge Bearing Large Old Pattern
	57		MB 6659/3	See 56
88/011072 & 3	58		MB 6654/3	Gate Hinge Bearing Large New Pattern
88/091066	59		MB 6658/3	Gate Hinge Bearing Small New Pattern
88/092138	60		MB 6658/3	Bearing Gate Post Top
88/091454	61		MB 6654/3	Bearing Gate Post Top Large New Pattern
88/091455	62			Lever Contact
88/091456	64			Bridge Track Circuit Indicator (Front Bearing)
88/091869	65			Cheek Bearing Collar S.P. N.P.
88/091457	66			Base Plunger type Ringling Key
88/091458	67			Plunger Guide for Ringling Key

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/091110	70	T109/T199	MA 7128/1	Adjusting Connection 1 3/8
88/092067	72			Adjusting Connection Locking 5/8"
88/003134	74		MB 5076/130	Connection Contact Box – New pattern
88/003133	74			Connection Contact Box – Old pattern
88/091103	76	T185	MA 6650/7	Hand Lever Clips
88/091458	79			Crank Swan Neck Contact Box
88/080001	84		MA 7895/7A	Token Crossing Contact Bracket was S 66
88/080557	85		MB 5580/17	Reminder Flap 1948 Block Instrument was S520
88/080569	86		MA 5580/34	Locking Lever 1948 Block Instrument was S 523
88/080002	87		MB 5580/23A	Front Bearing Plate 1948 Block Instrument was S522
88/080580	88		MA 5580/37	Back Bearing Plate 1948 Block Instrument was S523
88/092678	93	B25	MA 6010/66	Lever Link Cam Box N.P. see 242
88/093801	102		MB 7826/4A	Carrier Detonator Placer
88/093795	103	103	MB 7161A	Detonator Layer Carrier
88/085039	116			Handle Platform Switch was S116
88/085040	117			Base Platform Switch was S117
88/085041	118			Bracket Spring Platform Switch was S118
88/085042	120			Key Triangular Socket Section
88/085043	129			End Token Carrier???
88/085050	131			End Large Staff
88/085051	134			Contact Plate Lamp Expander
88/085054	135			Contact Bar Lamp Expander
88/091888	140			Battery Box Fastener (2 Parts)
88/085056	141			Frame Bracket Double Electric Lock
88/085057	142			Guide Electric Lock
88/085058	143		MB 5724/3C	Bridge piece Shoe Switch (ATC?)
88/085059	144		MB 5724/3C	Spring Block
88/085060	146			Tab No 1 Speed No. Plate
88/085061	147			Tab No 2 Speed No. Plate
88/085062	149			Tab No 3 Speed No. Plate
88/085064	150			Tab No 4 Speed No. Plate
88/085065	151			Tab No 5 Speed No. Plate
88/085067				Tab No 6 Speed No. Plate
88/085069				Tab No 7 Speed No. Plate
88/085070				Tab No 8 Speed No. Plate
88/085071				Tab No 9 Speed No. Plate
88/085072				Tab No 0 Speed No. Plate
88/085075	172		MA 6630/2A	Locking Nib Mckenzie Type 9 Frame M.2
88/085076	173		MA 6631/2A	Locking Nib Mckenzie Type 9 Frame M.3
88/085079	174		MA 6632/2A	Locking Nib Mckenzie Type 9 Frame M.4
88/085080	175		MA 6633/2	Locking Nib Mckenzie Type 9 Frame M.5
88/085081	176		MA 6634/2A	Locking Nib Mckenzie Type 9 Frame M.6
88/085082	177			Locking Nib Mckenzie Type 9 Frame M.7
88/085083	178		MA 6636/2A	Locking Nib Mckenzie Type 9 Frame M.8

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085084	179		MA 6637/2	Locking Nib Mckenzie Type 9 Frame M.9
88/085085	180		MA 6638/2A	Locking Nib Mckenzie Type 9 Frame M.10
88/085086	181		MA 6639/2A	Locking Nib Mckenzie Type 9 Frame M.11
88/085087	182			Locking Nib Mckenzie Type 9 Frame M.12
88/085088	188			Blade Joint 5 ¼" Stud Locking Frame
88/085089	192			Special Joint 5 ¼" Locking Frame
88/082951	194		MA 8557	Drive Joint Electric Lock
88/092523	201	B66	MB 7064	Locking Frame Lug Joint 3
88/085090	203		MB 7065	Locking Frame Lug Joint Hinge Centre 3" Blade
88/094725	206			Butterfly Nut
88/085091	211	G11		Key for Quadrant on Signal Post
88/085092	217			Knob Morse Ringing Key
88/085093	226		MA 9108/19	Valve Spindle ATC
88/085094	233			Tapper Lever Disc (Block Instrument)
88/092878	235	B45	MB 5292 MA 8166	Annetts Key formerly S 416
88/083400	236			Commutator Shaft Occupation Instrument
88/083419	237			Key Boss Occupation Instrument
88/083412	238		MA 10149/21	Locking Pawl Occupation Instrument formerly S 391
88/083427	239			Bezel G.F. Release Instrument formerly S 392
88/094723	240			Round 7"x 2½" (2.1/8" x 7" Long)
88/085095	242	B25/93	MB 7989	Link L.F. Cam Box N.P.
88/083397	246			Bezel Occupation Instrument
88/083408	247		MB 9569/19	Armature Lever Occupation Instrument
88/083401	248		MA 9569/48	Guide Block Occupation Instrument
88/083409	250		MB 9569/17	Commutator Spindle N.P. G.F. Release Instrument
88/083398	254		MA 9569/14	Key Boss N.P. G.F. Release Instrument
88/092425	266			Locking Frame Nib N.P. 5 Bar 4 1/8 "x 1 3/8
88/092581	268	A52	MA 7491	Locking Frame Nib 2 ½" x 1 3/8"
88/092572	269	A51	MA 7493	Locking Frame Nib 1 5/8" x 1 3/8"
88/092826	271	A41	MA 7509	Locking Frame Nib 2" x 1 3/8"
88/092571	274	A50	MA 7495	Locking Frame Nib 3 Bar 2" x 3/8
88/092430	275	A48/49		Locking Frame Nib 1 ¾" x 1 3/8"
88/092582	277	A44	MA 7515	Locking Frame Nib 2 ¾" x 1 3/8"
88/092583	278			Locking Frame Nib 2 ¾" x 1 3/8"
88/092434	279	A45/46		Locking Frame Nib 9
88/092435	280			Locking Frame Nib 4" x 1 3/8"
88/092436	281			Locking Frame Nib R.H. L.H
88/092585	283	A53	MA 7503	Locking Frame Nib 9 - 4" Centre 3 Bar HT Special
88/092578	284	A54	MA 7501	Locking Frame Nib 2 ¼" x 1 ?"
88/092576	285		MA 7519	Locking Frame Nib 3 Bar VT 2" x 1 3/8
88/092575	286	A47	MA 7517	Locking Frame Nib 3 Bar VT 2" x 1 3/8 L.H.
88/092584	287	A55	MA 7521	Locking Frame Nib 3 Bar End V
88/092586	88/092587	288	MA 7505	Locking Frame Nib 4 ½" x 1 7/16"

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/092573	289		MA 7497	Locking Frame Nib L.H. 4" Centre 3 Bar H.T
88/092574	290		MA 7499	Locking Frame Nib R.H. 4" Centre 3 Bar H.T
88/092439	294	C31	MA 6073/4A	Nut Wire Adjusting
88/092440	297L			L.H. Front Plate Old Style Block Instrument
88/092442	297R			R.H. Front Plate Old Style Block Instrument
88/093060	300	T199 part	MB5920/1&2	Connection Adjusting 1" x 7/8
88/083423	301			Front G.F Control Instrument small was S491
88/083424	302			Bracket for Coil G.F Control Instrument small was S492
88/083420	303			Coil Bracket G.F Control Instrument small was S493
88/083422	304			Disc G.F Control Instrument small was S494
88/083421	305			Bridge G.F Control Instrument small was S495
88/083417	306			Bearing Plate G.F Control Instrument small was S496
88/091237	322	T28	MB 6584	Pinion Gate Wheel 1½" Pitch 2" Wide
88/085096	333			Resetter Bracket Electric Lock
88/085097	334			Ring 6" Dia 4 ¾" hole 1 1/8" Deep
88/083184	334		MA 8325	Small Ring Assembly (Webb & Thompson) Staff includes sleeve also 383
88/083671	335		MA 8327	Large Rings (Webb & Thompson) Staff
88/083185	336			Small Rings (Webb & Thompson) Staff
88/083186	337		MB 7833/3A	Shoe Switch Type A Base ATC
88/083187	338		MB 7033/5A	Shoe Switch Type A Bracket ATC
88/083194	339			Shoe Switch Type A Lever ATC
88/083198	340			Flat Bar 7" x 1 1/8" x ¼
88/083199	341			Round Bar 8" x ½
88/026637	344		MA 6488/7A	Electric lock Base Mk1 Contact Plunger was S 557
88/082905	345		MD 6494/3D	Electric lock Base Mk1 was S 345
88/082946	346			Eyelet for Electric Locks was 645
88/082939	347			Armature for Electric Lock similar 351
88/026500	348			Electric Lock Plunger Bracket.
88/026501	349		MA 6494/5C	Electric Lock Bridge Piece
88/085098	350L			Tapper Sides Disc Instrument (Old Style Block Inst)
88/085099	351			Lever Armature Electric Lock
88/085336	352		MD 7856A	Electric Lock Base Old pattern
88/082954	353		MB 8153/3C	Armature Electric Lock N.P.
88/085100	354			Gate Lamp Socket
88/091289	355	T130	1	Stand Gate Lamp
88/095634	356			Stop Square 1 ¼"
88/085101	357			Hinge IBS Cupboard was S 531
88/085102	358			Hinge Staple IBS Cupboard was S532
88/085103	359		MA 7838/3	Shoe Switch Lever Type A Diesel Loco ATC
88/085104	363			Shoe Switch Blade Contact Box
88/085105	364			Strip 5" x 7/8" x 3/8" Cuts 4

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/094715	368			Strip 17" x 1 1/2" x 1/2"
88/094716	369			Strip 12" x 1 5/8" x 7/8"
88/085106	370			Strip 12" x 1 3/4" x 7/8"
88/094718	371			Strip 20" x 1 7/16" x 5/8"
88/094717	373			Strip 13 3/8" x 2 1/8" x 7/8"
88/085107	375		MA 7950	Strip 7" x 1" x 1/4" Contact Lever Contact
88/094713	376A			Flat Bar 8" x 1 1/4" x 1/4"
88/094714	376B			Flat Bar 11" x 2 1/8" x 1/2"
88/085108	376C			Strip 8" x 1 1/8" x 3/16"
88/094712	376D			Flat Bar 8" x 1" x 1/4"
88/085109	381?			Similar to 520 ? Saddles
88/085111	382		MA 9569/53	Spring Block Occupation Instrument
88/085113	383		MA 8325	Sleeve Electric Train Staff (Webb & Thompson)
88/085116	385			Strip Triangle Occupation Instrument
88/085117	386			Valve Bracket
88/085118	388?			Staff Name End
88/	394			Was S240
88/	395			Was S241
88/092551	88/092588	398	MB 7663	Locking Frame Nib 5 1/4" A
88/092552	88/092590	400	MA 7529	Locking Frame Nib 5 1/4" C
88/092443	88/092591	402	MB 7533	Locking Frame Nib 5 1/4" E
88/092444	88/092592	403	MB 7531	Locking Frame Nib 5 1/4" F
88/092553	88/092593	404	MB 7535	Locking Frame Nib 5 1/4" G
88/092554	88/092594	405	MA 7527	Locking Frame Nib 5 1/4" H
88/092449		405C		Locking Frame Nib 4" VT
88/085120		408		Base Arm Gauge
88/085121		409	MA 8919 MA5738/8	Bell Pillar (Universal Type)
62/050062		411	MB 9192	Operating Lever Clipping Up Switch Unit ATC
88/085122		415		Locking Frame Nib RH
88/092888		418	MG 5988/1B	Bolt Token Key Lock
88/092929		419A	MG 5988/1B	Guide Token Key Pattern A
88/092930		419B	MG 5988/1B	Guide Token Key Pattern B
88/092931		419C	MG 5988/1B	Guide Token Key Pattern C
88/092932		419D	MG 5988/1B	Guide Token Key Pattern D
88/098894		420	MG 5988/1B	Ward Token Key Lock N.P.
88/092887		421	B42 MA 5982/15A	Annetts Lock Ward Top
88/092886		422	B41 MA 5982/13B	Annetts Lock Ward Bottom
88/085123		423		Washer Large Signal Arm
88/085124		424	MA 8300	Washer Small Bracket Signal Structure
		426		
88/079896		429	MA 8946	Hinge C.L. Signal Formerly 430B
88/079897		430	MA 8944	Hinge C.L. Signal Formerly 430A
88/079982		431	MA 8948	Fastener Spindle C.L. Signal
88/079919		432	5677/1	Rose Fastener C.L. Signal
88/085125		446	MB 8116	Armature Coil Bracket ATC

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085126	447			Spring Bracket ATC
88/085127	448			Terminal Brackets Parapole ATC
88/083418	449			Plunger Ground Frame Control Instrument
88/085128	452			Case Parapole ATC
88/083426	453			Resetting Bracket G.F. Control Instrument was S501
88/085129	454			Armature Strip G.F. Control Instrument was S509
88/085130	456		MB 8086/2	Cover C patt also 541 ATC
88/085131	462		MB 8062/20	Armature Lever also MB 8086 ATC
88/085132	466			Siren Nut ATC
88/085133	468			Relay Contact Piece ATC
62/050068	470		MA 9108/12	Arm Indicating ' Not In Use' formerly S 373
62/050071	472		MB 9108/6	Elbow Cut out was S374 ATC
88/085134	473			Channel Strip
88/085135	476		MA 8146/5	Siren Valve ATC
88/085136	480			Cut out Valve Plunger ATC
88/085137	481		MA 5469	Ventilator Cover was S527
88/092555	485		MA7523	Locking Frame Nib N.P. 5 Bar Right Hand
88/092557	487		MA 7179	Locking Frame Nib N.P. 5 Bar Back Fixed
88/092558	88/092595	488	MA 7181A	Locking Frame Nib N.P. 5 Bar Ordinary Fixed
88/092559	489		MA 7183A	Locking Frame Nib N.P. 5 Bar Interlocking Fixed
88/092560	88/092596	490	MA 7185A	Locking Frame Nib No.1 Ordinary
88/092561	88/092597	491	MA 7187	Locking Frame Nib No. 2 Angle Special
88/092562	88/092598	492	MA 7189A	Locking Frame Nib No.3 Interlocking Ordinary
88/092563	88/092599	493	MA 7191	Locking Frame Nib No. 4 Block Special
88/092564	88/092600	494	MA 7193	Locking Frame Nib No. 5 Double Purpose ordinary
88/092565	88/092601	495	MA 7196	Locking Frame Nib No.6 Bottom thin
88/092566	88/092602	496	MA 7198	Locking Frame Nib No.7 Top Fixed Thin
88/092567	88/092603	497	MA 7200B	Locking Frame Nib No.8 Interlocking Conditional
88/092568	88/092604	498	MA 7202B	Locking Frame Nib No. 9 Double Interlocking
		499	MA 7204	Locking Frame Nib No. 10 2 way and Block Fixed
88/085138	501			Channel Bridge
88/085139	506	U99		Corner Diagram Frame
88/085140	507			Angle Bar 8 ¼" x 1 ½" x 1" x
88/085341	507			Angle Bar 8 ¼" x 1 ½" x 1 ¼" x 5/16
88/085341	507			Angle Bar 9" x 1 ½" x 1 ½" x ¼
88/091906	511			Cover Arm Gauge
88/091907	512			Gauge Signal Arm
88/080616	520		MA 9197	Arm Bracket Emergency release plunger
88/080618	521			Bridge Emergency Release Plunger
	521			???
	534			Bars Double Foot. Electric Lock Release.
88/085141	537		MA 8086/8	Resetting handle ATC also 460
88/085338	538		MA 8086/6	Resetting Lever ATC also 463

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085338	539		MA 8086/14B	Hinge Piece ATC also 469
88/085143	540		MB 8011	Relay Box ATC also 444
88/085144	542			Relay Plate, step
88/085145	544		ME 8086/3A	Case C pattern ATC also 451
88/085146	545		ME 8091	Box cut out ATC also 478
88/085147	546		MH 8098	Bush cut out ATC also 479
88/085148	547		MA 8056	Bell Plate Strip ATC also 471
88/085149	548		MB 8052	Bell Case ATC also 450
88/085150	549		MB 8054	Bell Case Cover ATC also 455
88/085151	550		MA 8029	Pivot plate ATC also 786
88/085153	551		MA 8102	Coil Ends S.P.L Bottom ATC also 445
88/085155	552		MB 8146/3A	Body Siren Cab App. ATC
88/085156	558			Bush Roller Switch (Block Switch)
	563			?
88/085157	567			Relay base, lamp
88/085159	617A			Bracket Electric Lock
88/085160	622			Cover Sliding Contact
88/085161	624	G	MA 5076/62	Clip for Signal Specs Early Tubular Signals
88/085163	634		MA 9400	Lamp Ear
88/093802	672			Holder Detonator Placer Single and 3 Shot
88/085164	673			Bar Handle Medium Switch (Block Switch)
88/093796	674		MB 7160B	Detonator Holder for Placer also numbered 672-88/093802
88/085339	687		ME 7000	Lamp Hinge Top
88/094758	688		ME 7000	Lamp Hinge Bottom
88/085165	699		MB 5738/5B	Bracket Key Tapper Block Bell - Strip makes 5
88/085167	702			Label Lever No. 3
88/085168	705			Label Lever No. 6
88/085169	706			Label Lever No. 7
88/085170	709			Label Lever No. 10
88/085171	710			Label Lever No. 11
88/085173	713			Label Lever No. 14
88/085174	714			Label Lever No. 15
88/085175	715			Label Lever No. 16
88/085177	728			Label Lever Large Oval Flange
88/085178	748			Nut Fork large
	749			
88/085179	750			Nut Bell Stand
88/085180	752			Nut Bell Cap
	785			Plate, Relay Long
88/085181	787		MA 5578	Pivot Plate Relay Small ATC
88/085182	788		MA 5578	Pivot Plate Relay Small Double contact ATC
88/085184	789			Plate AC Relay
88/085185	790		MB 5738/5B	Switch Base also Tapper Block Bell Coil Base
88/085186	792			Relay Plate Selective
86/077760	810			Lamp Ring 9"

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085187	819			Screws Bell Stand
88/085188	820			Screws Case Small
88/085189	821			Base Polarised Relay was S475
88/085190	825			Screws Fork Large
88/085191	833			Channel Strip
88/023393	839			Strip Handle Lug
88/023395	879			Wedges for Lamps Strip 12" x 1 3/4
88/085192	884			Knobs Indicator
88/085193	885			Strip Indicator Repeater
<b>S series mainly Non Ferrous</b>				
	S2			???
88/085194	S29			Blade Guide
88/085195	S30			Bearing Bracket
88/085196	S45			Bush Control
88/085197	S59			See 385
88/085198	S74			Front Plate Roller Switch (Block Switch in-out)
88/085199	S77			See 382
	S91 -98			
88/085201	S110			Dowel Strip
88/085202	S115			Sleeve Nut
88/085203	S116			Lock Nut
88/085204	S140			Plates Cam ?
	S169			?
88/085205	S193			Ring 1 1/8"
88/085207	S197	H48		Lamp Bezels (Small Lens as in ground disc lamp)
88/085208	S200			Relay Base
88/085209	S201			Relay Sides
88/085210	S202			Channel Strip
88/085211	S226			Valve Spindle see 226 ATC
62/050072	S 229		MD 5824/6 MA 9108/21	Valve Guide ATC
	S262			Wing Nut
88/085212	S268			Ring 3/4"
88/085213	S273	G78		Large "O" Siding Signal Arm
88/085214	S274			See 56
88/085219	S308			Base Plate Bristol Type Block Instrument
88/085220	S310			Back Plate Bristol Type Block Instrument
88/085221	S311			Bridge Bristol Type Block Instrument
88/085223	S312			Locking Disc Bristol Type Block Instrument
88/085224	S313			Quadrant Bracket Bristol Type Block Instrument
88/085225	S314			Resetting Lever ATC
88/085226	S315			Bearing Bush ATC
88/085227	S316			Handle Bush ATC



<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085228	S317			Round Bar 2 1/8" dia x 9"
88/085229	S320			Knuckle joint Tappet
88/085230	S343			Connection Box ATC
88/085231	S345			Resetting Lever ATC
88/085232	S349			Disc (Not in use) ATC
88/085233	S350			Plate (close only when atc out of order) ATC
88/085234	S366A			Bracket A L type ATC
88/085235	S366B			Bracket B R type ATC
88/085236	S371		MD 8484A MD 9108/4	Cut-out valve body ATC
62/050070	S372		MB 8482 MB 9108/7	Cut-out Switch Box ATC
	S373		MA 8310	See 470
88/085237	S388			Nameplate with Lug L.N.W.R pattern E.T.S
	S389			See 236
	S390			See 237
	S391			See 238
	S392			See 239
88/085238	S393			Bar Round 2 1/2"x 7"
88/085239	S397			?
88/085239	S398			Case Point Indicator
88/085240	S399			Back Plate Point Indicator
88/085241	S400			Front Plate Point Indicator
88/085242	S401			Base Plate Point Indicator
88/085243	S402			Locking Nib B
88/085244	S409			Token End for use on one engine in steam Staffs etc
	S416			See 235
88/085245	S417			Strip 8" x 1 1/2" x 1/4"
	S418			See 398
88/085246	S419			Locking Nib B see also S402
	S421			See 400
88/085247	S424			Detector Gauge Drop Piece
88/085248	S425			Handle Roller Switch
88/085249	S426			Bush
	S426			??? Different part duplicate number
88/085250	S428			Locking nib I
	S431			???
88/085251	S432			Switch Lever
88/085252	S433			Tapper Key
88/085253	S434			Side Piece
88/085255	S435			Armature Lever
88/085256	S436			Angle Strip (contacts)
88/085257	S437			Ring
88/085258	S439			Receiver Hook (telephone rest hook)
88/085259	S443			Re-setter Valve ATC

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085261	S447		MA 8966	Ring for Pneumatic Tube Installation
88/085262	S450			Pivot Plate Large
88/085263	S451			Transit Contact Bridge
88/085264	S452			Transit Contact Cover
88/085265	S453			Transit Contact Cover
88/085266	S454			Sender Magnet Case
88/085267	S455			Sender Magnet Bridge
88/085268	S458			Shutter
88/085269	S459			Forked Bend
88/085270	S460			Plates for Forked Bend
88/085271	S461			Carrier Sending Cap
88/085272	S476			Switch Slides ATC
88/085273	S478			Contact Makers ATC
88/085274	S479			Contact Holders ATC
88/085275	S482			Lever Receiver Tunnel Telephone
88/085276	S483			Hooks Tunnel Telephone
88/085277	S484			Connection Strip 3 Tunnel Telephone
88/085278	S485			Connection Strip 2 Tunnel Telephone
88/085279	S486			Connection Strip 8 Tunnel Telephone
88/085280	S487			Connection Strip Tunnel Telephone
88/085282	S488			Connection Strip 4 Tunnel Telephone
88/085283	S489			Connection Strip 3 Tunnel Telephone
88/085284	S490			Cup Siren Spinner ATC
88/085285	S497		MB 5738/5B	Tapper Tapper Block Bell
88/085286	S498			Loop Hand Com
88/085289	S503			Case Relay ATC
88/085290	S504			Table Relay (Base)
88/085293	S505			Point motor cover
	S506			See 8
88/085294	S507			Bush
88/085295	S508			Washer
88/085296	S518			Supporting Bracket Left Hand
88/085297	S518			Supporting Bracket Right Hand
88/085298	S519			Motor Inspection Cover Large
88/085299	S524			Motor Inspection Cover Small
88/085300	S526			Block 7" x 6 1/2" x 3 1/4"
88/085302	S529			Escapement Crank (point motor ?)
88/085303	S530			Cap?
88/085304	S533			There are 6 Nibs 533 to 538 we have 5 of the 6 but only two are numbered
88/085305	S535			Locking Frame Nib
88/085306	S538			Locking Frame Nib
88/085307	S541			Rail Connection Base
88/085308	S555			Channel Strip
88/085309	S557			See 344
88/085310	S558			Fulcrum Bearing

<b>PADS / N.R.S</b>	<b>GWR No.</b>	<b>1908 No.</b>	<b>Drawing No.</b>	<b>Description</b>
88/085311	S559			Frame
88/085312	S560			Frame
88/085313	S561			Wing Nut/ Wing Bolt
88/085314	S562		MB 7801	Siren Air Vent ATC
	S563		MA 8777	Arm, Train Stop. Casting
88/085314	S564		MA 8783	Nut for Four cutter Machine
88/085315	S567			P.B. Bearing with wings 1 half plain
88/085316	X9			Strip

## **BLOCK BELLS**

We do not guarantee the sound of these bells as they are not necessarily cast in the correct alloy

88/085317	88/083323	262/16		Church 4½"
88/085319	88/083326	262/19		Flat 5"
88/085321	88/083329	262/26		Round 5"
88/085322	88/083330	262/29		Sheep 5"
	88/083325	262/18		Cow 3 ½"
				Omnibus Telephone

## **GWR TOKEN MACHINE NON CAST PARTS**

For Cast Items see X, Aluminium, Brass and Gunmetal sections for Springs see spring section  
Spindle Ringing Key

88/083492	88/083492		MA5825/28	Replacement Knob for Spindle Ringing Key
			MA5825/28	Token Holder Hoop Complete for Hand Exchange
88/083633	88/083633		MB4705/68	

<b>PADS/ N.R.S.</b>	<b>LMS No.</b>	<b>Drawing No.</b>	<b>Description</b>
			<b>LMS PARTS</b>
	Reading	Pattern	Pipe Rail Standard, similar to GWR U83
88/085323		MD 37295/1	Base Economical facing point lock
88/085324		MD 37295/3,4	Link Economical facing point lock
88/085325		MD 37295/5	Link Economical facing point lock
88/085326		MD 37295/	Link Economical facing point lock
88/085327	Reading	Pattern	Spectacle Plate
88/085328	Reading	Pattern	Back Blinder
			For LMS Block Instruments see BR Standard items below
88/089611		MD 3320/120 121 &122	Jaw 5/8" Adjustable with 1/2" eye for wire attachment, C/W Pins, Split Pins & Lock Nuts.

<b>PADS/ N.R.S.</b>	<b>LNER No.</b>	<b>Drawing No.</b>	<b>Description</b>
			<b>BR N.E.R. PARTS</b>

We have patterns for about 80 original LNER castings, which include Great Central and GNR equipment. They are parts principally for Saxby and Farmer and Railway Signal Company Frames and as such will be applicable to other users.

The descriptions are currently provisional, and only a few are listed below.

88/085329	49YS540*c	Reading	pattern	53-LS-921	Circuit Closer Bracket for Tubular Signal
88/085330	50YS62*c	Reading	pattern	MD 302	Ground Disc part of assembly to YS383004
86/068852		Reading	pattern	BRS-SM 452/5	Lever Clip Box Ground Frame A31395
					Three lever Locking Tray RSC/BTC GF B22720
					Plate 'R' Points Reversed
					Plate 'N' Points Normal
				B95	Locking Nib
				D366	Lever Casting
				D367	Lever Casting
				D67	Quadrant Locking Frame Saxby & Farmer Rocker
				D68	Quadrant Locking Frame Saxby & Farmer Rocker
				D88	Link S&F Rocker Frame Locking - Grid Iron
				D94	Drop Box - Railway Signal Co
				D96	Lever Slide
				L320	Rocker S&F Rocker Frame Locking - Grid Iron
				L40	Lever Casting
				L66	Catch Handle 9 1/2"
					Lever Lead Bracket
					Frame, Telephone Directory

<b>PADS / N.R.S</b>	<b>BR(W) No.</b>	<b>Drawing No.</b>	<b>Description</b>
<b>BR STANDARD PARTS</b>			
88/074589	E60	BRS-SM 101/1B	Box Detector New Pattern
86/087653	*	BRS-SM 103/12A	Signal wire pulley- galvanised Minimum Order Quantity will apply
86/087910	*	BRS-SM 103/4A	Signal wire pulley- block 4 way galvanised - no pulleys Minimum Order Quantity will apply
86/088561	D31	BRS-SM 114B	10" Single Flat Signal Wheel Frame
86/088581	D32	BRS-SM 115B	10" Double Flat Signal Wheel Frame
86/088611	D33	BRS-SM 116B	10" Triple Flat Signal Wheel Frame
88/093549	D31	BRS-SM 141A	14" Single Flat Pulley Frame
88/093550	D32	BRS-SM 142A	14" Double Flat Pulley Frame
88/093571	D33	BRS-SM 143A	14" Triple Flat Pulley Frame
88/093540	D30	BRS-SM 107	Pulley Wheel 10" Old BR Pattern
		BRS-SM 107	Pulley Wheel 14" Old BR Pattern
88/085333	D35	BRS-SM 108/3A	Guides Vertical Wheels and Frames
88/085335	D28	BRS-SM 110	Pulley Wheel 10" Lightweight
86/088671	D66	BRS-SM 117/1	Vertical Pulley Frame
86/088672		BRS-SM 117/2B	Guide for Vertical Wheel and Frame. 10 Inch
86/064700	*	BRS-SM 202/1C	Frame for Point Roller Minimum Order Quantity may apply
86/064710	*	BRS-SM 202/2B	Roller Minimum Order Quantity may apply
86/064720	*	BRS-SM 202/3B	Ferrule Minimum Order Quantity may apply
88/093576	K20	BRS-SM 204/1D	Crank Base Low
88/093578	L20	BRS-SM 205/1C	Compensator Base
88/093605	K43	BRS-SM 216	Cap Centre Pin Crank & Compensator
88/093002	P100	BRS-SM 303	F.P.L Plunger Base
88/093013	P101	BRS-SM 303	F.P.L Detector Slide
88/093005	P102	BRS-SM 303	F.P.L Slide Cover
88/093008	P103	BRS-SM 303	F.P.L Plunger Cover
86/075352		BRS-SM 315/3	Plunger for Mk II F.P.L
86/075351	P160	BRS-SM 315/1.A	F.P.L Plunger Base Mk II
86/075151	P161	BRS-SM 315/2.A	F.P.L Detector Slide Mk II
86/075355	P162	BRS-SM 315/4	Cover For Mk II see Aluminium Section Cover
86/068852	X115	BRS-SM 452/5	Lever Clip Box Ground Frame
		BRS-SM 452/3	Catch Handle
86/068854		BRS-SM 452/7	Bracket for Description Plate
86/068780		BRS-SM 452/8	Description Plate
	P12235	BRS-SM 453.A	Side Frame Ground Frame
	P12233	BRS-SM 456	Intermediate Quadrant Ground Frame Please Ask for Other Components relating to the Standard Ground Frame.
		TD57024	Unit 1 & 1A Standard Block Instrument

	TD57043	Bridge Piece Standard Block Instrument
	TD57055	Armature Carrier Standard Block Instrument
	TD57100	Bracket Pivot Standard Block Instrument
	TD57181	Main Unit Standard Block Instrument
	TD57187	Pendulum Standard Block Instrument
	TD57190	Locating Arm Standard Block Instrument
	TD57206	Locating Quadrant Block Instrument Std Block Inst
	TD57206	Locating Quadrants for units 3 & 7 Std Block Inst
88/075657	TD34144	Cable Bracket 3 way

### **BELLS OTHER CAST**

88/083292		Bell 4" Round Iron Case
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<b>PADS/ N.R.S.</b>	<b>TYERS No.</b>	<b>Drawing No.</b>	<b>Description</b>
			<b>TYER &amp; COMPANY LTD™ COMPONENTS</b>
088/001263	TY14		Lock Unit for Transfer Magazine – Supply and Repair
088/001262	TY15		Magazine Key Token Transfer – Supply and Repair
	TY14/4	D13450A	Fool Pin
	TY14/6	D13432A	Guide also fits TY15
	TY14/7	D13431A	Knob also fits TY15
	TY14/10	D13428A	Plunger also fits TY15
	TY14/13	D13434A	Spring also fits TY15
	TY14/14	D13433A	Pin also fits TY15
	TY14/15	D13436A	Spring also fits TY15
	TY14/16	D13451A	Pin
	TY14/17	D13437A	End Plate also fits TY15
	TY14/18	D13438A	Key Strip also fits TY15
	TY14/19	D13439A	Rivet also fits TY15
	TY14/23	D13453A	Screw
	TY15/1	D13460E	Magazine Body Casting Machined – No configuration <p>Tyer No. 8 and No. 9 Token Machines, many parts are compatible with the GWR token machine, see elsewhere in this catalogue. The front and magazine of the No. 8 is different to that of a number 9 so please specify when ordering so we may adapt a No. 9 into a No. 8. Note we can currently only provide GWR bases and some number 8s and 9s had different sized bases depending on which pre-grouping company ordered the machine.</p> <p>Tyer No.9 In/Out/ Manufacturers Label – London</p> <p>Tyer No.11 Please check for current availability of parts.</p> <p>Tyer Two Slot and related instruments. Please check for current availability of parts. Some internal parts are compatible with GWR/Tyer No. 9 parts.</p> <p>Type 12 KT Instrument. Currently Parts Only Please enquire.</p> <p>Cover Assembly Tyer KT Instrument Type 12</p> <p>Frame Tyer KT Instrument Type 12</p> <p>Cover Plate Tyer KT Instrument Type 12</p> <p>Instrument Single Line Key Token Tyer 12A</p> <p>Padlock “ZENI” BR No.40</p> <p>Token Un–engraved. A Configuration</p> <p>Token Lock – State Version Required</p> <p>Key Token Lock Box</p> <p>Key Token Lock Box</p> <p>Key Token Lock Box</p> <p>Cover Types A, B, C.</p> <p>Key Hole Cover</p> <p>Configuration Plate A &amp; D</p> <p>Configuration Plate B &amp; C</p> <p>Bolt</p> <p>Bolt</p> <p>Ward Plate</p>
088/074806	TY30		
	TY34		
	TY35		
	TY36		
088/074809	TY30	Not yet available	
088/083468			
088/078298	X3732–ED	D4158–EC	
	6482/3B	D8661C	
	6482/3B	D8662C	
	6482/3B	D8663C	
	6482–C	D8665C	
	6482–K	D8666A	
		D8667A D10959A	
		D8668A D10960A	
		D8669C	
		D8670C	
		D8671B	

D8673A	Locking Plate
D8678A D10228A	Key Token Lock Pin
D10228A	Key Token Lock Bolt

For other Tyer Components and other manufacturers parts also made by Tyer please enquire.

## **WESTINGHOUSE COMPONENTS**

Annetts Locks

Please enquire for other parts



PADS / N.R.S

Drawing No.

Description

**Non Cast Items** a selection from the available parts other parts available please enquire.

### LEVERS

We can fabricate a variety of levers for both Lever and Ground Frames. BRS-SM; LNE; GWR  
Lock Rods

### PINS

88/092889	88/092889	MG 5988	Token Lock Fittings Pin Guide
88/092890	88/092890	MG 5988	Token Lock Fittings Pin Hinge
88/092305	88/092305		Independent Disc Pin Lever Plate, Single
88/092538	88/092538		Levers Locking Frame, Pin, Hand Clip
88/0823102	88/082310 2		Boxes Lever Contact, Pin, Link, with Cotters 2" x 3/8"
29/075300	29/075300	BRS-SM 409/1	Pin for Flat Frame Single (10 or 14)
29/075305	29/075305	BRS-SM 409/2	Pin for Flat Frame Double (10 or 14)
29/075310	29/075310	BRS-SM 409/3	Pin for Flat Frame Triple (10 or 14)
29/030777	29/030777		Pin Split Cotter 6.3mm x 80mm Corrosion Resistant BS1574
29/075200	29/075200	BRS-SM 401/4	Pin Vertical Wheel 3/4" Dia x 3 13/16" Long
29/030083	29/030083	BRS-SM 117/5	Pin Vertical Wheel Split Cotter 5mm x 32mm Corrosion Resistant BS1574

### SPINDLES

88/092083		MB 5076/22	WR Arm 21" Machined
88/092086		MB 5076/23	WR Arm 26" Machined
88/092087		BRS-SM 3	Complete with Nuts and Washers, Upper Quadrant

### SPRINGS

88/075410		MA 8108	Arm Bump Stop all WR Tubular Arms
88/075410		MA5530/16	Arm Bump Stop all WR Ground Signal
88/075409		MA8775/7	Spring Help
88/075415			Spring Catch Rod
88/092884			Spring Annetts Lock
			Spring Banking Annetts Lock
88/092892		MG 5988/1B	Spring Token Lock
88/092885		A23472/3	Spring Westinghouse Annetts Lock
88/083496		MA5825/28	Spring Spiral Ringing Key

**PADS / N.R.S****Drawing No.****Description**

PADS / N.R.S	Drawing No.	Description
88/092491	301/56	MA 6010/38c Drivers Mild Steel Long
88/092491	301/57	MA 6010/39c Drivers Mild Steel Short
88/092492	301/58	MA 8293 Drivers Mild Steel Long, Special Oversize

**SIGNAL ARMS**

Vitreous Enamelled Arms supplied to Order Minimum Quantities may apply to these products.

**STOPS**

MA 8109 Arm Stop all Later WR Types

**WASHER**

88/092308	88/092308	MA8110 Washer Bump stop
		MA3257/4B Plate Fixing Lamp 1/8"

**Non Signalling Items**

We have available a number of non Signalling Items Please ask for further details, they include:

**Western Region Crested Headboards:** The Bristolian; Cornish Riviera Express/Limited; Cheltenham Spa Express; The Cornishman;. All with Western Region Bracket. The Red Dragon currently available flat back only. Coming soon Capitals United Express; Pembroke Coast Express; Cambrian Coast Express.

**Somerset and Dorset:** Pines Express with Universal Bracket

**Custom Headboards** with Universal or WR bracket

Flat Back option available on all Headboards.

**Wagon Plates** – various styles

**Other -**

GWR/Western Region Signs, a limited range, including the 'SW' sign, and the Trespass Sign

GWR 12" Letters

GWR Nameplate Letters