

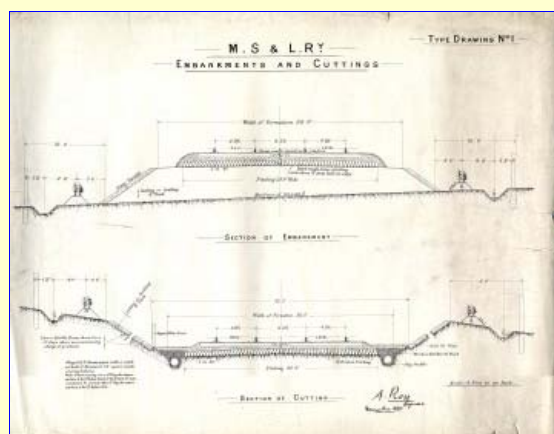
Manchester, Sheffield & Lincolnshire Railway / Great Central Railway

Type Drawings

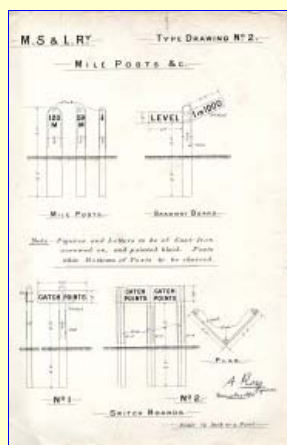
These drawings, the majority of which are dated November 1895, shew details of the standard items of infrastructure to be installed on the MS&LRy.'s London Extension. They were issued to ensure that the various contractors building the new line knew and adhered to the Company's standard designs. Many are signed by Mr. Alexander Ross, M. Inst. C.E., who was Chief Engineer of the MS&LRy. between 1890 - 1897.

These drawings were obtained by members of the Signal & Telegraph Department of the preserved Great Central Railway at Loughborough. The originals will be lodged in the museum there, but these scans are made available for all to use as they wish. Clicking on a thumbnail will open the relevant drawing in a new window. All drawings are reproduced at 100% original size and 300dpi resolution. A typical 8¾" x 13½" sheet is around 1.5Mb in size.

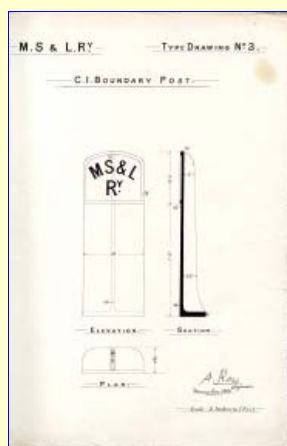
If anyone can fill in any of the gaps then we would be very pleased to hear from you at the following email address: plans@swithland-signal-works.co.uk



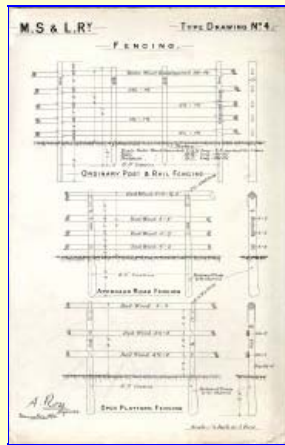
Type Drawing No. 1
Embankments and Cuttings
Section of Embankment
Section of Cutting



Type Drawing No. 2
Mile Posts &c.
Mile Posts
Gradient Board
Switch Boards



Type Drawing No. 3
C.I. Boundary Post
Elevation
Section



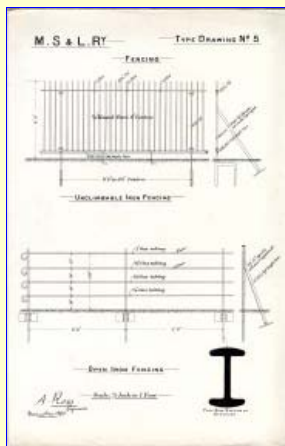
Type Drawing No. 4

Fencing

Ordinary Post & Rail Fencing

Approach Road Fencing

Open Platform Fencing

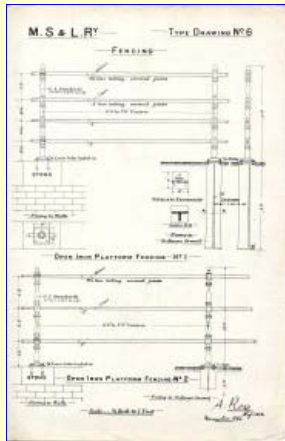


Type Drawing No. 5

Fencing

Unclimbable Iron Fencing

Open Iron Fencing

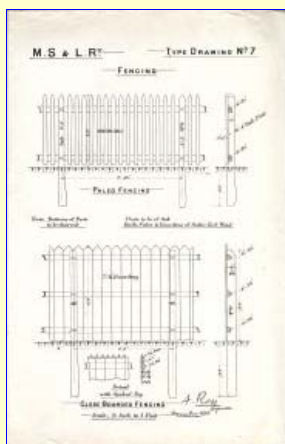


Type Drawing No. 6

Fencing

Open Iron Platform Fencing No. 1

Open Iron Platform Fencing No. 2

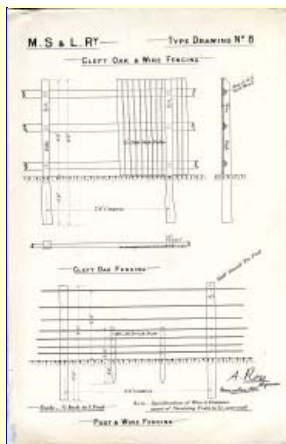


Type Drawing No. 7

Fencing

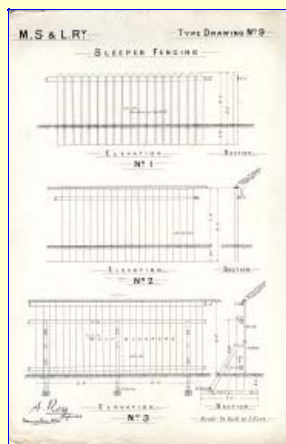
Paired Fencing

Close Boarded Fencing



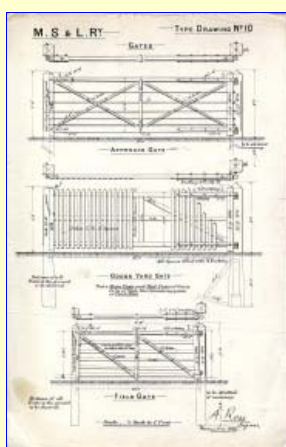
Type Drawing No. 8
Cleft Oak & Wire Fencing

Cleft Oak Fencing
Post & Wire Fencing



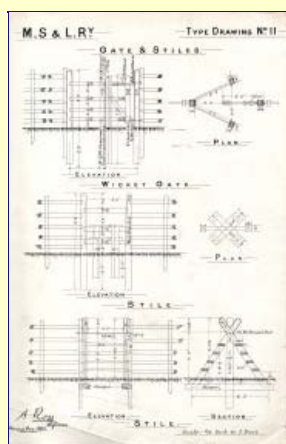
Type Drawing No. 9
Sleeper Fencing

No. 1
No. 2
No. 3



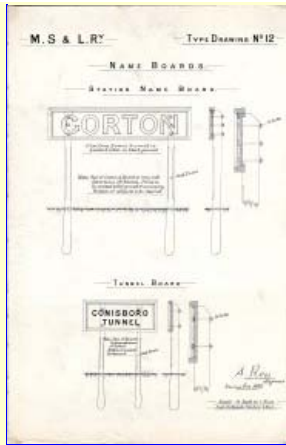
Type Drawing No. 10
Gates

Approach Gate
Goods Yard Gate
Field Gate



Type Drawing No. 11
Gate & Stiles

Wicket Gate
Stile No. 1
Stile No. 2

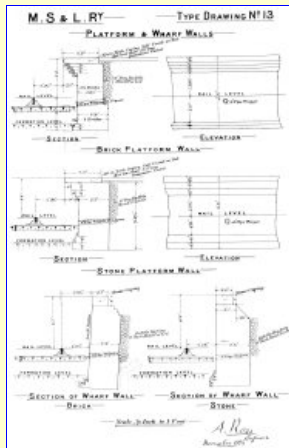


Type Drawing No. 12

Name Boards

Station Name Board

Tunnel Name Board



Type Drawing No. 13

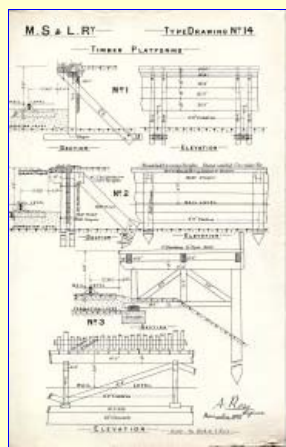
Platform and Wharf Walls

Brick Platform Walls

Stone Platform Walls

Sections

Image courtesy of Mr. Steve Taylor



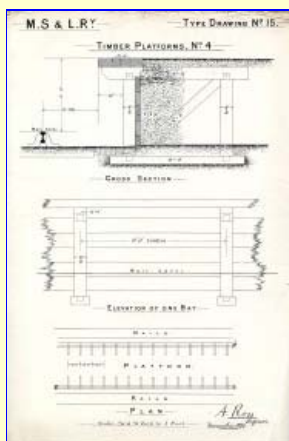
Type Drawing No. 14

Timber Platforms

No. 1

No. 2

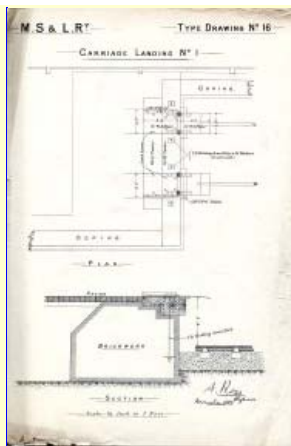
No. 3



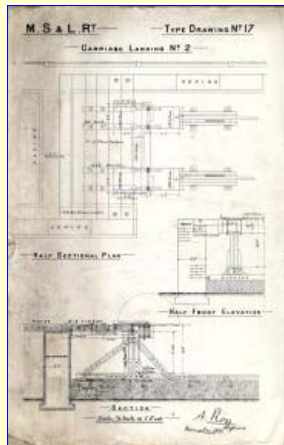
Type Drawing No. 15

Timber Platforms

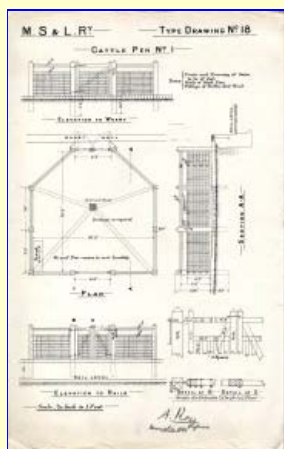
No. 4



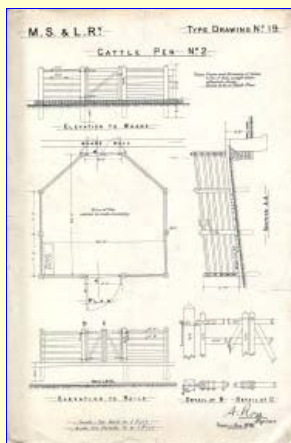
Type Drawing No. 16
Carriage Landing No. 1
Plan
Section



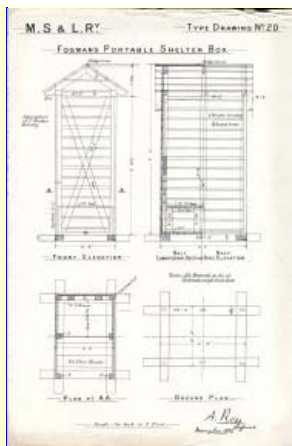
Type Drawing No. 17
Carriage Landing No. 2
Half Sectional Plan
Half Front Elevation
Section



Type Drawing No. 18
Cattle Pen No. 1
Elevation to Wharf
Plan
Elevation to Rails



Type Drawing No. 19
Cattle Pen No. 2
Elevation to Wharf
Plan
Elevation to Rails



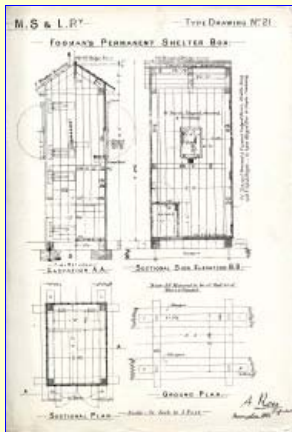
Type Drawing No. 20

Fogman's Portable Shelter Box

Front Elevation

Half Longitudinal Section / Half Side Elevation

Plan



Type Drawing No. 21

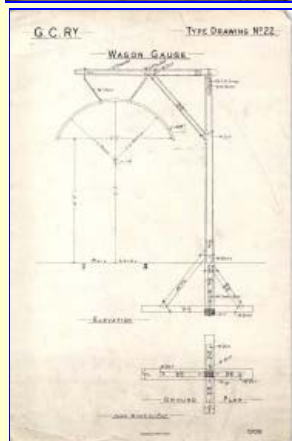
Fogman's Permanent Shelter Box

Elevation

Sectional Side Elevation

Sectional Plan

Ground Plan

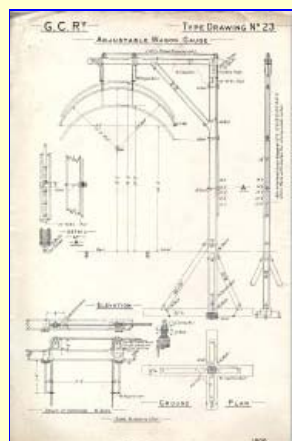


Type Drawing No. 22

Wagon Gauge

Elevation

Ground Plan

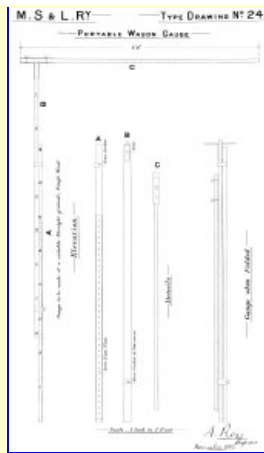


Type Drawing No. 23

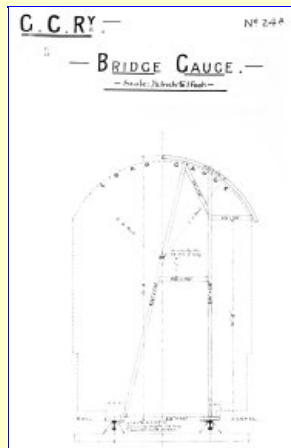
Adjustable Wagon Gauge

Elevation

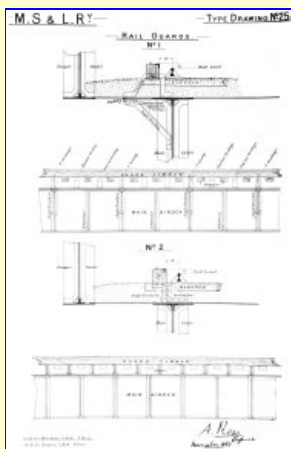
Ground Plan



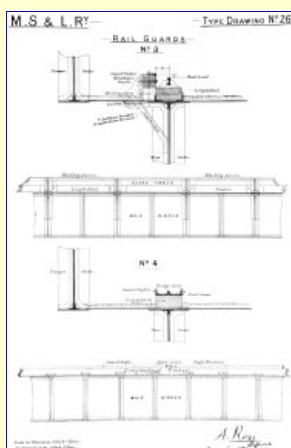
Type Drawing No. 24
Portable Wagon Gauge
Elevation
Details
Gauge When Folded
Image courtesy of Mr. Steve Taylor



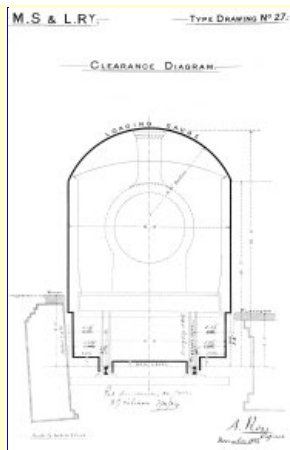
Type Drawing No. 24A
Bridge Gauge
Image courtesy of Mr. Steve Taylor



Type Drawing No. 25
Rail Guards
No. 1
No. 2
Image courtesy of Mr. Steve Taylor



Type Drawing No. 25
Rail Guards
No. 3
No. 4
Image courtesy of Mr. Steve Taylor



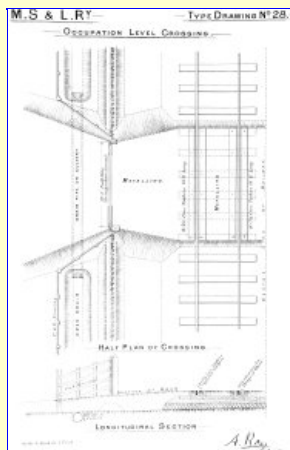
Type Drawing No. 27

Clearance Diagram

Structure Gauge

Amended 3rd December 1904 on instructions of J. G. Robinson

Image courtesy of Mr. Steve Taylor



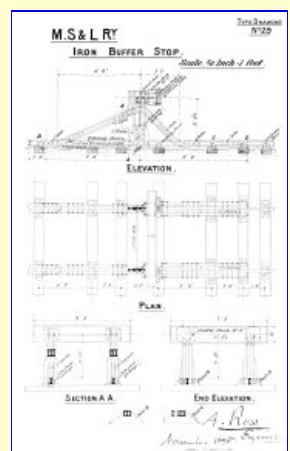
Type Drawing No. 28

Occupation Level Crossing

Half plan of crossing

Longitudinal section

Image courtesy of Mr. Steve Taylor



Type Drawing No. 29

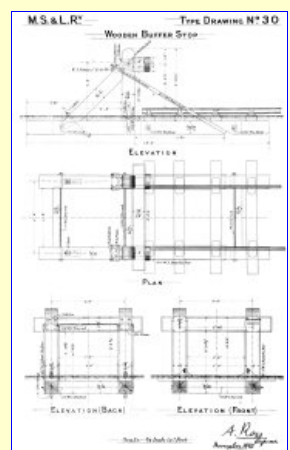
Iron Buffer Stop

Elevation

Plan

Section

Image courtesy of Mr. Steve Taylor



Type Drawing No. 30

Wooden Buffer Stop

Elevation

Plan

Elevation (Back)

Elevation (Front)

Image courtesy of Mr. Steve Taylor

This
drawing
not
held

Type Drawing No. 31
Hydraulic Buffic Stop

This
drawing
not
held

Type Drawing No. 32

This
drawing
not
held

Type Drawing No. 33

This
drawing
not
held

Type Drawing No. 34

This
drawing
not
held

Type Drawing No. 35

This
drawing
not
held

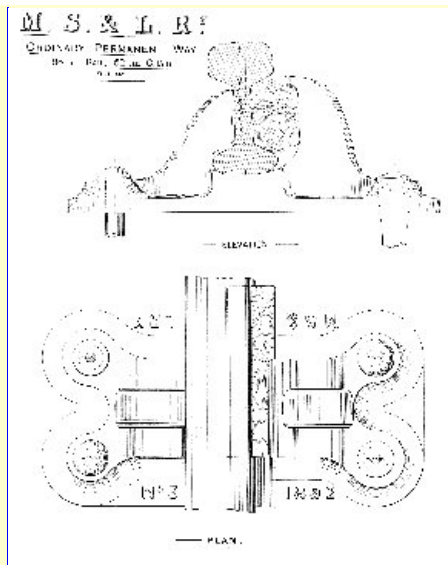
Type Drawing No. 36

This
drawing
not
held

Type Drawing No. 37

This
drawing
not
held

Type Drawing No. 38



Type Drawing No. 39

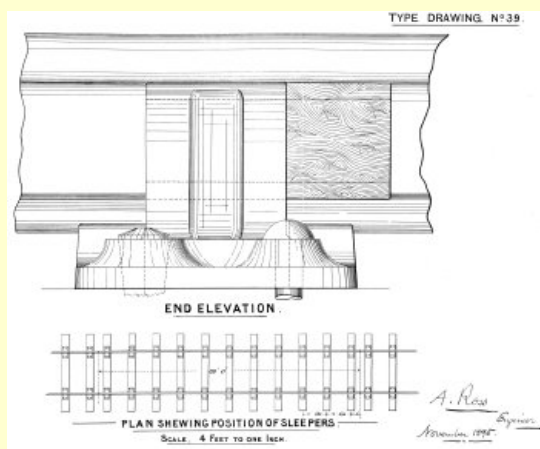
Permanent Way - 52lb Chair

For 86lb rail

Plan

Elevation

Image courtesy of Mr. Steve Taylor



Type Drawing No. 39

Permanent Way No. 3 Section

86lbs rail & 52lbs chairs

11 sleepers to the 30 foot rail

November 1895

Image courtesy of Mr. Steve Taylor



Type Drawing No. 39A

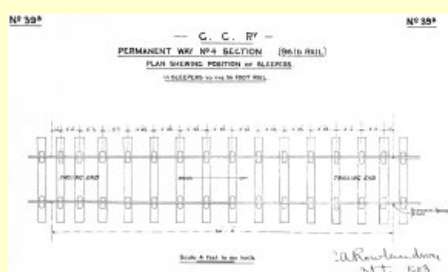
Permanent Way No. 3 Section

Showing position of sleepers

12 sleepers to the 30 foot rail

December 1897

Image courtesy of Mr. Steve Taylor



Type Drawing No. 39B

Permanent Way No. 4 Section

Showing position of sleepers

14 sleepers to the 36 foot rail

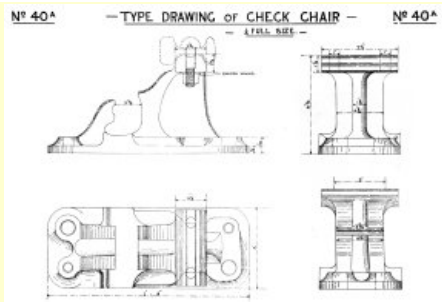
October 1903

Image courtesy of Mr. Steve Taylor

Type Drawing No. 40A

Permanent Way - Check Rail Chair

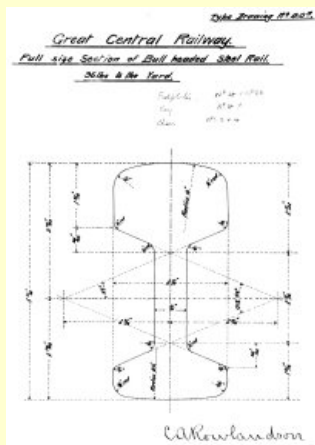
Image courtesy of Mr. Steve Taylor



Type Drawing No. 40A

Permanent Way - 96lb Bullhead Rail

Image courtesy of Mr. Steve Taylor



This
drawing
not
held

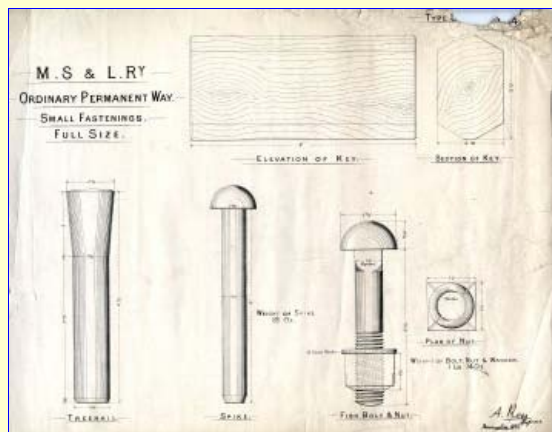
Type Drawing No. 41

This
drawing
not
held

Type Drawing No. 42

This
drawing
not
held

Type Drawing No. 43



Type Drawing No. 44

Ordinary Permanent Way - Small Fastenings

Key

Trenail

Fish Bolt & Nut

This
drawing
not
held

Type Drawing No. 45

Gantry

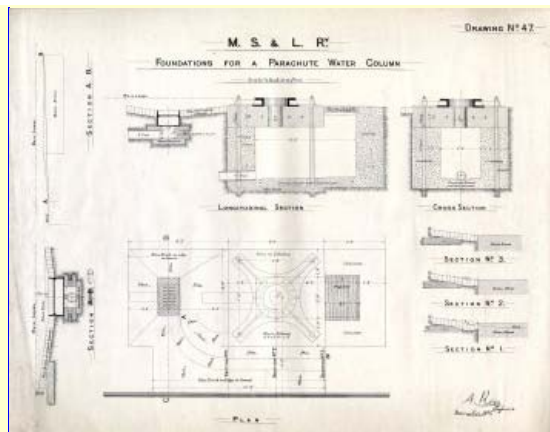


Type Drawing No. 46

Parachute Water Column

2000 Gallons

Image courtesy of Mr. Steve Taylor



Type Drawing No. 47

Foundations for a Parachute Water column

Longitudinal Section

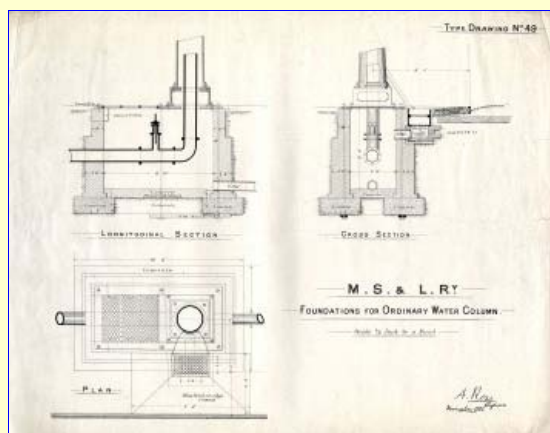
Cross Section

Plan

This
drawing
not
held

Type Drawing No. 48

Parachute Water Column



Type Drawing No. 49

Foundations for Ordinary Water Column

Longitudinal Section

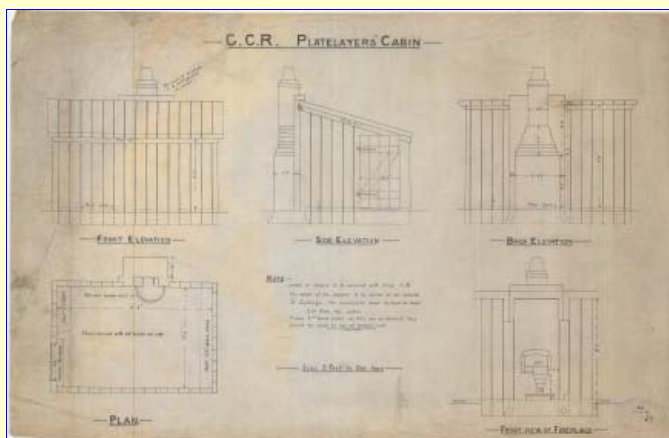
Cross Section

Plan

This
drawing
not
held

Type Drawing No. 50

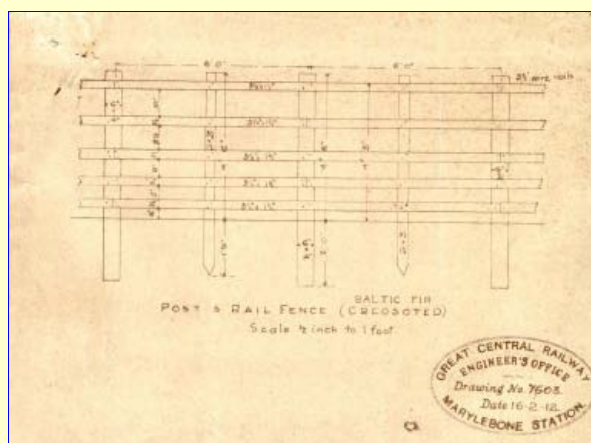
Ordinary Water Column



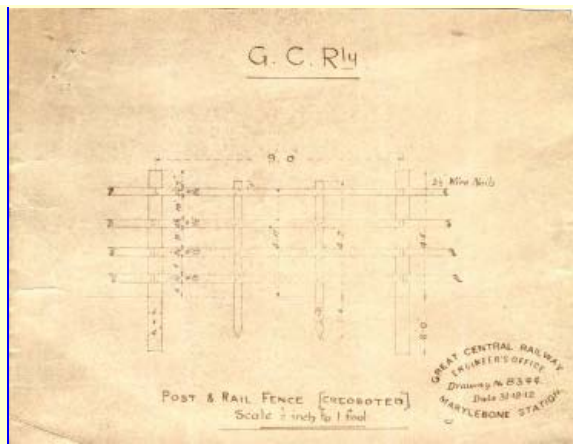
Plans, dated 17th April 1907, shewing elevations, sections and plans for a sleeper built Platelayer's Cabin. This sort of cabin was common all along the London Extension, and one remains intact at Quorn & Woodhouse.



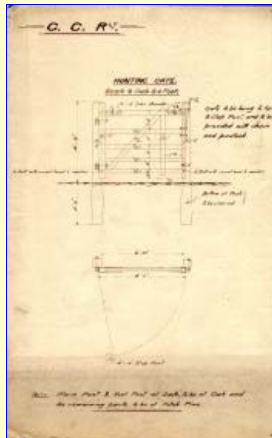
Letter, dated 21st January 1913. From the District Engineer, Leicester, to his Inspectors. It refers to two newly issued Type Drawings for fencing, No. 7603 and No. 8344 (both reproduced below), and gives details of when and where they should be used.



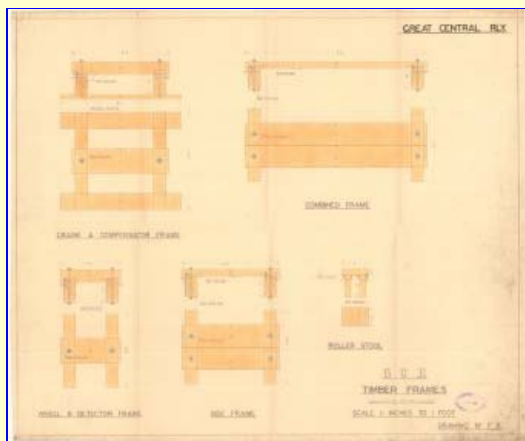
Type Drawing No. 7603
Post & Rail Fence (5 Bar)
Dated 16th February 1912



Type Drawing No. 8344
 Post & Rail Fence (4 Bar)
 Dated 31st December 1912



Hunting Gate
 Plan
 Elevation

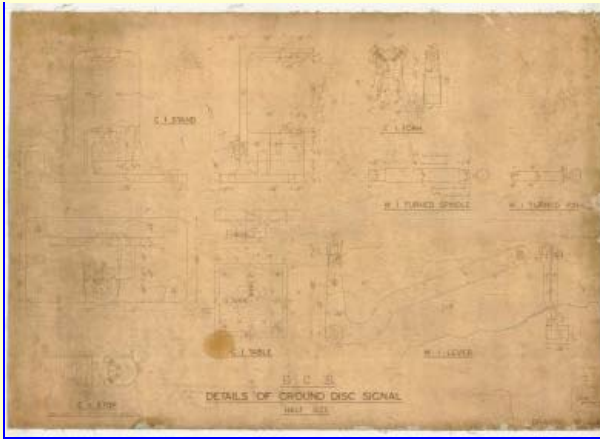


Drawing F8
 Timber Frames
 Crank & Compensator Frame
 Combined Frame
 Wheel & Detector Frame
 Disc Frame
 Roller Stool

Dated 27th February 1920

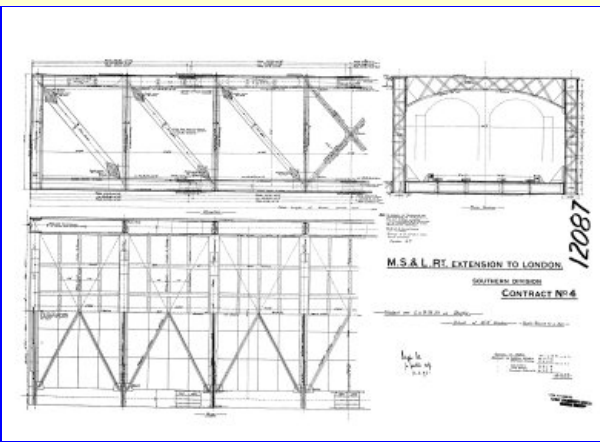
Drawing G28
 Details of Ground Disc Signal

- C.I. Stand
- C.I. Fork
- W.I. Turned Spindle
- C.I. Stop
- C.I. Table



W.I. Lever

Dated 22nd July 1914



Bridge Number 451

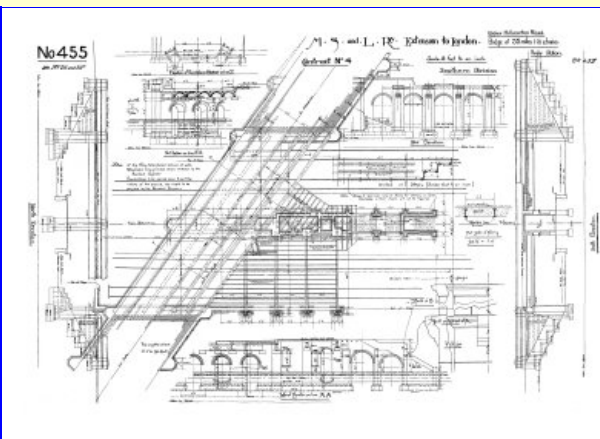
Rugby "Birdcade Bridge" over LNWR

Elevation

Sections

Plan

Drawing courtesy of Mr. Tony West



Bridge Number 455

Rugby Station Bridge

Elevation

Sections

Plan

Drawing courtesy of Mr. Tony West

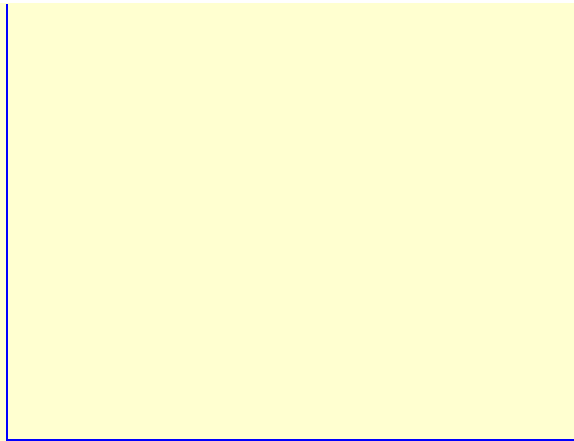
Rugby Station Street Level Buildings

Elevation

Sections

Plan

Drawing courtesy of Mr. Tony West



There have been **14455** visitors since 28th November 2007.