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# **RAGSTONE MODELS**

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## **Great Eastern Materials Wagon Kit**

### **Diagram 44**

Version no: 2.0

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26 Wadham Close  
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West Midlands  
B65 9SH

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## Great Eastern Materials Wagon

### History

These wagons were built as follows:

Order T30 – 20 wagons 1892

These wagons were built with dumb buffers and no brakes to carry ballast and permanent way materials and would often have been formed into trains with a Permanent Way brake van at each end to provide braking. A model of this brake van is under development. We also produce a model of the earlier 1878 wagon, which survived until the mid 1930's.

87 ex GE ballast wagons were fitted with spring buffers by LNER during 1925-26, which probably included most of these wagons. These are available as an accessory pack.

Withdrawal commenced during the 1930's, and apart from one survivor, all had gone by 1938.

### Numbers

Dia 44

Sleeper wagon      21241 tare 5-7-1, 21483 tare ??

Wagons renumbered by LNER had 6xxxxx added to the existing number.

### Livery

1892-1923 (and later)

GE departmental wagon dark red (possibly similar to MR red) with Black lettering and black below solebar level

1923-38

LNER departmental blue (Oxford blue – but shade varied) with white lettering and black below solebar level

### Further Information

Information and photographs are available as below:

Great Eastern Journal no 47 pp 16 & 17

LNER wagons vol. 1 (Wild Swan) – general GE wagon details

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## Assembly

1. Form rivets and fold up sides and ends (1) – The rivet heads are inside the wagon. You may find it helpful to deepen the long fold line slightly with a triangular needle file to make the folds easier. Once folded, add outer sides (2) to body and trim flush with ends
2. Fit end strapping (5) centrally to the ends with angles to the middle 13 mm apart, the rivets should then line up with the rivets on the inside. Fold buffer beams (4) and fix underneath the floor. Fit washer plates (10) over coupling holes.
3. Form rivets and fold up solebars (3), again you may need to file the half etch line to make the fold easier. These fit against the end of the buffer beams (43.75 mm apart). Most rivets are to the bottom and the hole to the left hand end of the wagon.
4. Fit outer end strapping (7). This is in the correct position when the door-retaining lug is protruding from the side and the bottom leg is sitting on the top flange of the solebar. The top rivet strips (6) should then be trimmed to fit and fitted between the vertical strapping.
5. Add body hinges/strapping (8/9) (folding small square double to create the hinge with fold line inside the fold). Add the 7 retaining brackets (12) to each solebar. The angle lines up with rivets on the side (or hinge) and faces the outside of the wagon (4 left handed and 3 right handed). A small amount of trimming is required for these to fit snugly in the solebar channel, and once all are fitted, a final touch with a file to give a smooth angle from solebar to body side may be required.
6. Using the half etch lines drawn as a guide, fit axlebox/spring casting to one side only, add wheels and bearings and second axlebox/spring castings. Do not fix until happy that all axles & wheels are square and level. If preferred the second axlebox can be left until after painting and secured with a suitable adhesive.
7. Fit buffers and small angle strip (11) to buffer beam. Assemble and fit couplings to buffer beam using springs and split pins.
8. Fold and fit center door banger (13) (fold line OUT side the fold) in the centre of the solebar and fit cast doorstops near end of the solebars. These parts butt up to the center and end angle brackets adjacent to their positions.
9. Clean and paint wagon in your chosen livery.



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## Parts List

### Etch

1	Side & ends	7	End strapping
2	Outer side	8	Side strapping/hinge (end)
3	Solebars	9	Side strapping/hinge (center)
4	Bufferbeam	10	Coupling washer plate
5	End angle strapping	11	Buffer angle bracket
6	End top rivet strips	12	Body underframe angle bracket
		13	Door banger

### Castings/Other

#### Whitemetal

4x Axlebox & spring

#### Brass

4x Buffer

2x Coupling hooks

4x Door stop

#### Other Parts

2x Coupling springs

2x Split pins

6x Coupling links

### Parts required

2x 3' 1" 8 open spoke wagon wheels (1 pack Slater's 7120)

Paint

Transfers for your chosen livery

### **Note:**

This is a scale model intended for responsible (usually adult) modellers only. The etched brass has sharp edges and should be handled with care. Whitemetal and many solders contain lead. You should not eat, drink or smoke when assembling this kit and wash your hands after using these products. You should read all instructions on other products (solder flux, paint etc) that are required to complete the kit