DINORWIC QUARRIES SLATE RUBBLE WAGON

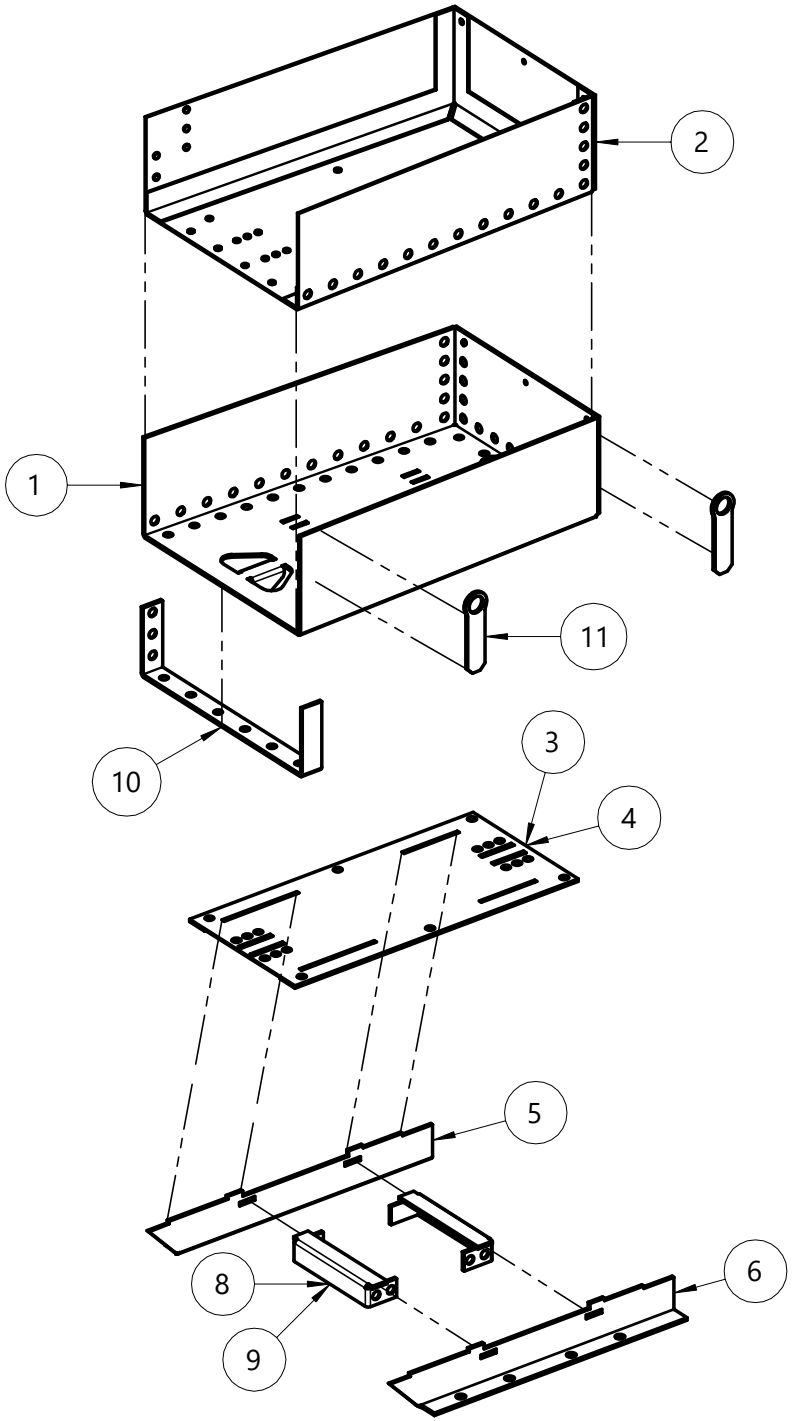
Construction Notes

1. All Half etched fold lines are to the inside of the bend and all should be made at 90°.
2. Half etched rivet dimples should be pushed out to create rivets using a suitable press.(Practice rivets are provided along the fret edge).
3. Scale couplings are provided for as standard: Use 4mm scale 3-link chain cut down to 2 links. Put a hook one end, and trap the remaining link between the angle brackets below the floor at each end using a short length of wire. Hooks may be double thicknesded.
4. Axleboxes are 3D printed and suitable for 2mm axles. They may require GENTLY reaming to true them up. Prototype wheels are double flanged and 13" over flanges.
5. Handles were often fitted to the rear of the wagons. These can be made up from wire.

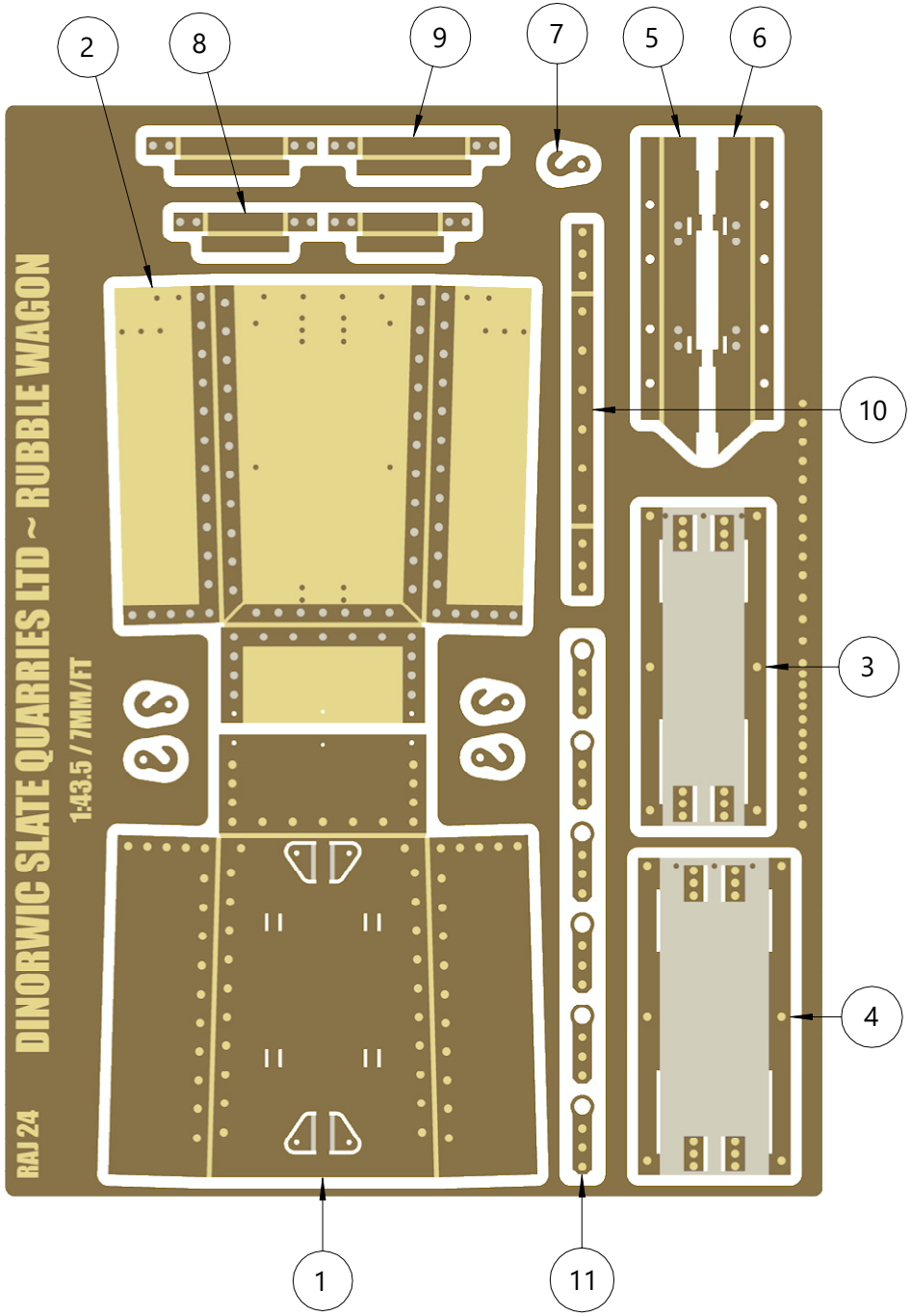
Construction

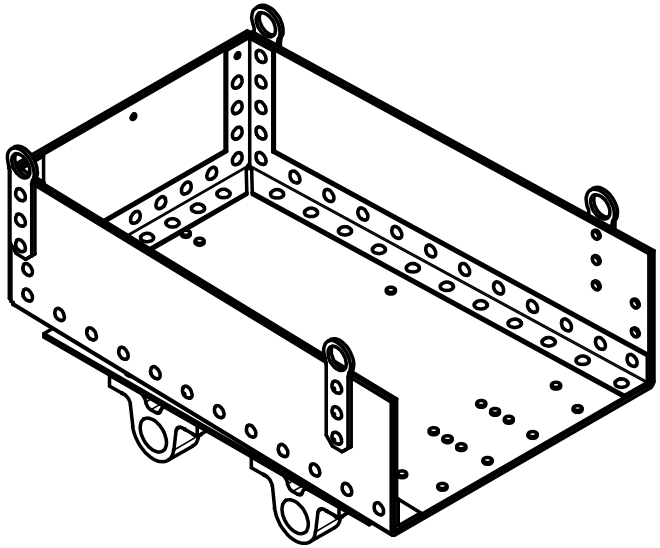
Hopefully after reading the notes above and looking at the diagram to the right, construction should be if not obvious, easily worked out. I will assume all rivets have been pressed out beforehand.

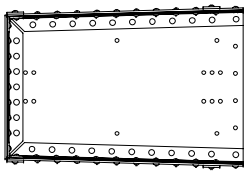
1. Starting with the outer body, fold down the triangular brackets in the floor which will act as the coupling brackets if using scale couplings (This step may be skipped if using something like a greenwich coupler which requires a flat floor). Fold up the sides.
2. Repeat with the inner body, making sure it fits snugly inside the outer body.
3. Choose the correct underframe spacers for your gauge and fold them up – noting that the top portion has tabs that pass through the underframe sides. Fold up the underframe sides and attach to the spacers and the correct width underframe top for your gauge. The half etched portion of the underframe top should point downwards. Slot the outer body onto the underframe.
4. Add the open end stiffening rib along the edge of the opening. Add the lifting ears to the sides – the closed end ones are right at the extreme end, the open end ones should be aligned with the raised rivets on the inside of the inner body.
5. With the etched parts all joined, bend over the open end top corners, and distress to taste. Fit axleboxes and wheels, tweak until it rolls freely and you are done!

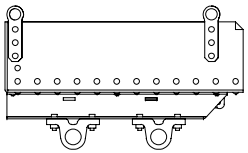


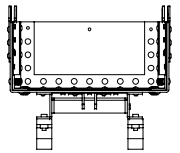
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PARTS LIST

1. Outer Body
2. Inner Body
3. Underframe Top (14mm Gauge)
4. Underframe Top (16.5mm Gauge)
5. Underframe Channel SIde R
6. Underframe Channel Side L
7. Coupling Hook
8. Underframe Spacer (14mm Gauge)
9. Underframe Spacer (16.5mm Gage)
10. Open End Stiffener
11. Lifting Eyes
12. (Not Shown) Axlebox (2mm Bore)