Micro Engineering Company

ASSEMBLY INSTRUCTIONS
N POOR BOY MINE
60-002

Micro Engineering Co.
29084 Sunset Drive
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GENERAL

The Micro Engineering Poor Boy Mine kit represents a small vertical shaft mine which were common in the hills and mountains of many mining areas.

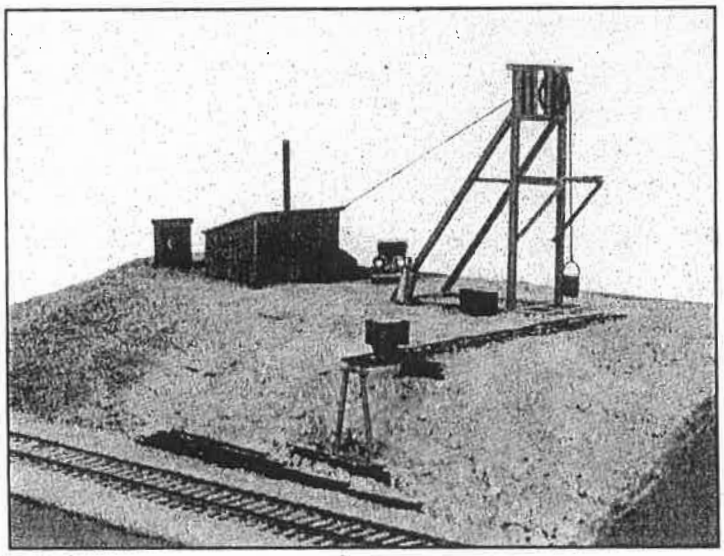
Most parts in this kit are made of injection molded styrene plastic and should be glued with a styrene solvent cement (such as Testors®). Some of the detail parts are made of white metal alloy (see parts list) which should be glued with a cyanoacrylate (CA) cement (such as Super Glue® or Hot Stuff®).

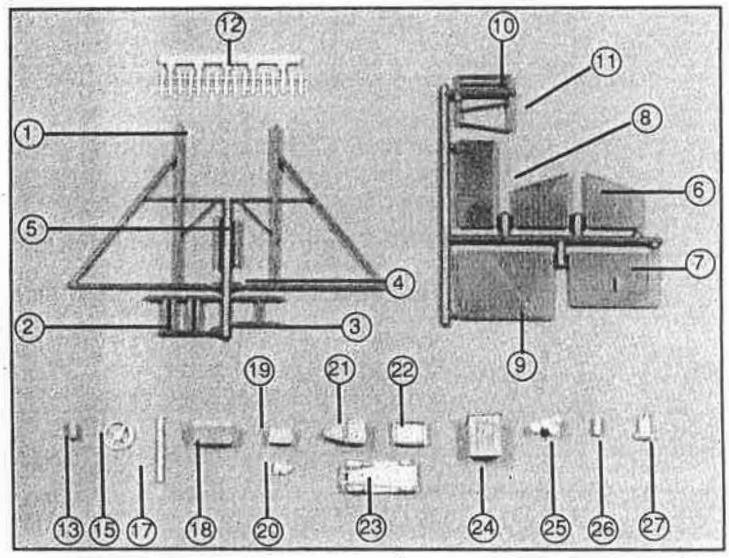
Before beginning assembly clean off and trim any flash or gate marks from all plastic and white metal castings.

Read each instruction sheet step completely before proceeding with that step. Refer to the photos for reference.

The following parts should be included in your Poor Boy Mine kit, some of which are keyed to the photo below. (wm) indicates white metal parts.

① 2 headframe sides
② 1 sheave support
③ 1 shaft opening frame
④ 1 lower cross brace
⑤ 1 upper cross brace
⑥ 2 side walls
⑦ 1 front wall
⑧ 1 back wall
⑨ 1 roof
⑩ 1 pair trestle stringers
⑪ 1 trestle bent
⑫ 2 mine tracks
⑬ 1 ore bucket (wm)
⑭ 1 piece .012" wire
⑮ 1 sheave (wm)
⑯ 1 8" piece thread
⑰ 1 smoke stack (wm)
⑱ 1 coal box (wm)
⑲ 1 mine car body (wm)
⑳ 1 mine car frame (wm)
㉑ 1 pickup truck cab (wm)
㉒ 1 pickup truck bed (wm)
㉓ 1 pickup truck frame (wm)
㉔ 1 outhouse (wm)
㉕ 1 set of drums (wm)
㉖ 1 single drum (wm)
㉗ 1 acetylene tank cart (wm)

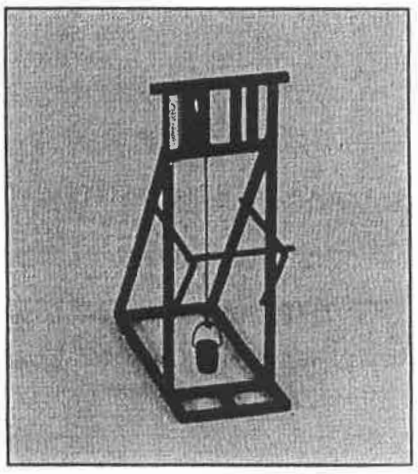




ASSEMBLY

1. HEADFRAME File the draft angle off the ends of the headframe parts, ① thru ⑤. Hold the two **headframe sides** ① upright with the side braces to the inside. Cement the **sheave support** ②, **shaft opening frame** ③, and **lower cross brace** ④ between the sides as shown in the photo. Cement the **upper cross brace** ⑤ on top of the side braces.

2. ORE BUCKET Find the white metal **ore bucket** ⑬ and drill a #79 hole in the two dimples located on each side near the top of the bucket. Bend the **.012" wire** ⑭ into a handle shape (see photo) and cement the wire ends into the holes in the ore bucket. Before proceeding further, paint all white metal parts.



3. HEADFRAME DETAILS Insert and cement the **sheave** ⑮ into the right hand slot of the **sheave support** ②. Cement one end of the **thread** ⑯ to the ore bucket handle. Pull the other end of the thread through the top of the sheave so the bucket hangs at the desired height above the shaft opening and cement the thread to the sheave.

4. HOIST HOUSE Cement the two hoist house **side walls** ⑥ between the **front wall** ⑦ and the **back wall** ⑧. Be sure the building corners are square. Sand or file the top of the side walls so they are flush with the front and back walls. Locate and cement the headframe and hoist house to your layout. Run the thread from the headframe to the hoist house and cement the thread to the top of the small opening in the front wall. Cement the **roof** ⑨ to the hoist house walls. Cement the **smoke stack** ⑰ to the pad on the roof and the **coal box** ⑱ to the front wall.

5. DETAILS Cement one end of the **trestle stringers** ⑩ to the top of the **trestle bent** ⑪ and cement the assembly to your layout. Cement the **mine track** ⑫ in front of the headframe and onto the trestle. To improve its appearance you may want to trim off the rounded ends of the mine track ties. Cement the **mine car body** ⑲ to the **mine car frame** ⑳ and cement the car to the mine track. Cement the **pickup truck cab** ㉑ and the **pickup truck bed** ㉒ to the **pickup truck frame** ㉓. Locate the pickup truck, **outhouse** ㉔, and the remaining white metal parts on the scene. Landscape the mine scene using a fine crushed rock for mine tailings and ore. Cement a small amount of the rock to the top of the ore bucket and mine car.