

Rix Grain Elevator

Start by comparing fig 1 to the parts diagrams. First cementing parts A1 to A2 to form the shaft. (rectangle) Make sure the corners are flush when gluing. After all the A1-A2 part are glued together, stack the parts one on top of the other to the desired height. Next cement parts B1 to B2 to form the grain head and then cement it to the top of the shaft. B3 the shaft base can be added at this time. Parts B4, B5 and B6 can be glued together as shown and glued to the grain head. Now start with the catwalks by cementing C1 to the two C2s. (Notice that the C2s need to be widened so it will fit around the shaft.) (Fig 2) Now cement the railings on three sides of the catwalk, part C4 and C5. Leave the railing off the open end of the catwalk until after its installed on the shaft. Install the top catwalk first as shown in fig 1. Leaving an opening so that the ladder can come up through. The next catwalk should be located three section below the first as shown. Install the catwalk so that C1 is against the shaft and forms an open end on the opposite side from the first catwalk. Continue to install catwalks until there's 30 feet or less to the ground. Next are the safety cages, cement D1s to the side of the shaft as shown. Be sure the last one is the D2 part because it is larger. Then slide the ladder part C9 down through the D1 parts and cement. Carefully remove the D3 parts from the sprue and cement to the D parts. (the number of D3 parts cemented on depends on your patience, 5 is OK, 7 is ideal.) The motor assemble can now be added, cement parts B7, B8 and the two B9s on as shown. A Belt can be made from thin black tape. Last is the chutes. The chutes need to be custom made to fit the grain bin height. Once you know what length you need assemble the chute with parts C6, C7, C8, another C7 and then B10. (**Rix Tip:** I drill a small hole in the top end of C6 and install a piece of piano wire in the hole to form a male connector. Then drill several holes in part B6 for the female end. The piano wire should go up into the B6 part and make assemble a little easier.) Guide wires can be added if desired. They should run from part C7 to part C8 and then to the other C7. Small thread or very fine wire can be used. I recommend you drill a small hole in each corner of part C8 and run the guide wire through the hole.

