

Rusty Rail

Craftsman Kits and castings in HO and O Scale

The instructions are to assemble Dozer attachment for the Bates Crawler. Ok first check to see if you have to clean up any flash etc. Just a little background this is how the dozer blades were raised and lowered before they had hydraulics. The cage supported a pulley system to raise or lower the blade through a winch located behind the drivers seat.



So lets get started, first you received some plastic angle iron. You are going to use that to build a cage to support the pulley system like the example below. The front angle irons are 1 1/2" tall cut 2 of these and glue them to the side of the hood like in the example below. Before you glue anything make sure it is squared up and the top angle irons will be level. Cut your front cross section to attach the two front posts making sure the top measurement matches the bottom measurement between the posts. Now the back posts are 1 1/4" tall cut two of these and glue them to the side of the driver's seat. Cut your back cross section to attach the two front posts making sure the top measurement matches the bottom measurement between the posts. If all is level glue the two top pieces to make the cage. Then cut and install the two braces you see attached to the front posts.



Ok if all is squared up lets add the blade. You will need to add the two arms to the blade. You received a plastic shaft that will need to be cut into smaller pieces to attach the arms. The example is above and make sure the rods that connects to the cat are pointing in like the example. Then you will see a hole in the middle of the side tracks drill that out a little so the rods that are pointing in can fit flush like the example below. Also now is the time to decide do you want the blade up or down. Ok glue the blade arms to the holes in the track sides and position either up or down and let dry.

Ok next step is to add the pulley system. First let's add the winch to the back of the driver's seat like example below. Then add the spool to winch. Next step is to add the



pulleys to the frame and the blade. In the example above you will see the single pulley is added to the frame above the winch reel. The next double pulley block is added to the front of the frame in the center like the example above. Then take the last double pulley block and add to the middle of the frame.

Last we provided some thick thread to string the pulley system. First start by winding some of the thread around the winch reel to show cable is on the reel do this counter clockwise. Then up through the pulley above the winch reel. Then across the top of the frame then down to the blade pulley block and up again like the example below.

