

1843 Installation Instructions

This hardware is to aid with installation of forged iron newels. The 1843 is designed to recess into the floor or tread and be covered by the 1844 shoe. The 1843 may be used for starting newel, intermediate newel, and balcony newel installations.

Important Choose the location of the starting newel first and consider the following installation requirements as you choose the location, baluster line, end wall on steps (if there is one), and size (such as box newels) of any other newels used in the installation at the other newel locations. Since the iron newels will involve using fittings in the installation make sure you are locating the starting newel so that your newel location will work with fittings. The space beneath the floor, landing tread, or tread where you are locating your newel should not be solid and will need to have enough space for the shaft of the 1843 to fit beneath the surface unencumbered.

After choosing the location of your starting newel, you are ready to install the 1843. Start by tracing the bottom portion of the shaft on the top surface so that you know the size of square hole that is required for the shaft of the 1843. Make sure this location is centered on the baluster line. Using a 1 inch hole saw or spade bit saw, bore four holes, one in each of the corners of the traced hole, taking care to that the outside edge of the one inch hole is on the traced line. ***Careful***, do not over cut the hole, please note that the flange on top of the 1843 has four screw holes and you need to allow as much wood as possible for the screws to penetrate. Now, using a jig saw finish cutting out the hole so that you have a square hole that will allow the 1843 shaft to slide into the hole. ***NOTE*** The shaft of the 1843 has set screws and a short rod that will slightly protrude from the side of the 1843. To allow for the shaft to slide into the hole you will need to slightly notch the floor to allow the set screws and rod to pass.

Fit the shaft into the hole cut out to make sure you have a good fit.

Measure and cut the newel to the proper length. The newel should sit flush onto the fixed cross rod inside the 1843 shaft.

Slide the 1844 shoe onto the shaft of the newel.

Slide the 1843 onto the bottom of the newel. Within the hardware are two 4 ¾ inch shims that should be used to shim the newel in the 1843. This will allow the newel to be tight inside the shaft, force the shims inside the shaft and flush with the top of the 1843 flange. Only use the shims on the sides of the 1843 that ***DO NOT*** have set screws. The small turnout on top of the shim will over hang the top edge of the 1843 flange and keep it from sliding down the shaft.

Now tighten the set screws using the enclosed allen wrench.

Slide the 1843 down into the hole and insert the enclosed wood screws into the flooring, tread, or landing tread.

TIPS

If you have access to the underside of the tread and or floor you can add more stability by blocking the bottom of the 1843 shaft to keep it from leaning when pulled at the top of the newel. This additional blocking is highly recommended when you are using the 1843 with a starting step because the tread is only one inch thick.