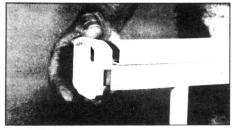
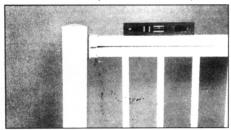


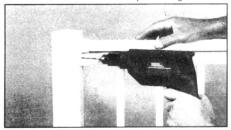
STEP 1. Drill Newel Post Flange



STEP 5. Place straight connectors on rail then slide into place between Newel posts.



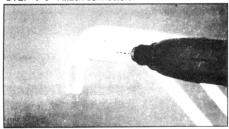
STEP 6a. Use level to keep rail straight.



STEP 6b. Drill holes with rail in place.



STEP 7. Attach connectors.



STEP 8. Pitched rail connector

Rail Assembly

- Locate post on platform, the center of each post should be 5" from edge of platform or step. Drill Newel post on underside of flange using indentation as guide. Use 3/8" bit.
- 2. Place posts on platform and steps.
- 3 Measure distance between posts or between wall and posts. This distance is the length of rail required to fit opening. (Note. Place posts 1/8" longer than your desired rail length, for easier installtion.)
- 4 Attach posts to platform.
 - (A) Masonry base (curved spike). Drill 3/8" hole with masonry drill bit approximate 2 1/2" depth. Insert spike with curved part inward.
 - (B) Masonry base (2 1/2 lag screw). Drill 1/2" hole with masonry drill bit approximate 2 1/2 depth. Insert rawl plug and anchor with 2 1/2 lag screw.
 - (C) Wood base (2 1/2 lag screw). Drill 1/4" hole with drill bit and anchor with lag screw. (Note if masonry or wood floor is uneven or slopes, use shim under flange.)
- Place straight connectors onto both ends of railing (Top & bottom) with flat part facing out toward Newel post.
- Slide railing into place between Newel posts, use level on top of rail, then mark where straight connectors should be drilled. Drill holes for straight connectors using 11/64" bit.
- Attach rails to posts with four (4) No. 10 x 1" stainless steel screws (furnished in connector package) when attaching rail to wall, use straight connectors.
- When railing is used on steps, measure distance between posts as in #3 and subtract 3 5/8", this is the length of rail required.
- **9.** Long center spindle on 4 ft. and longer rail sections is for additional support. This spindle may be set in 3/4" hole in concrete or cut off even with surface and fastened to platform with center support flange.