


A. Corner Rectangle.

Step 1. Click File Menu > New, click **Part** and OK.

Step 2. Click **Front Plane**  in the Feature Manager and click **Sketch**  from the Content toolbar, **Fig. 1**.

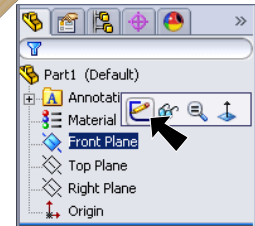





Fig. 1

Step 3. Click **Corner Rectangle**  (S) in the **Rectangle flyout**  on the Sketch toolbar.

Step 4. Draw a corner rectangle starting at the Origin , **Fig. 2**.

Step 5. Click **Smart Dimension**  (S) on the Sketch toolbar.

Step 6. Dimension rectangle **1.25** by **.75**, **Fig. 3**.

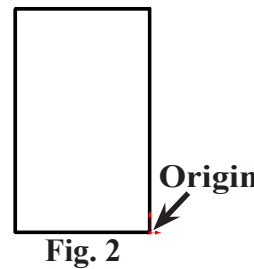


Fig. 2

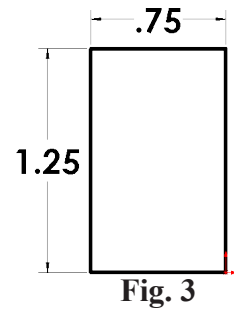
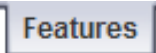
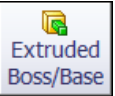




Fig. 3

Step 7. Click **Zoom to Fit**  (F) on the View toolbar.

Step 8. Click **Features**  on the Command Manager toolbar.

Step 9. Click **Extruded Boss/Base**  on the Features toolbar.

Step 10. In the Property Manager set:
under Direction 1, **Fig. 4**
End Condition **Mid Plane**
Depth  **19.5**
click OK , **Fig. 5**.

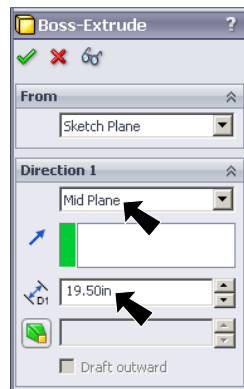


Fig. 4

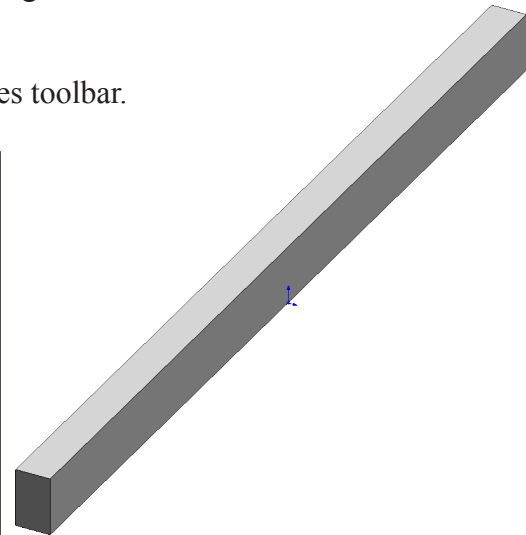


Fig. 5

B. Save as "SIDE RAIL".

Step 1. Click File Menu > Save As.

Step 2. Key-in **SIDE RAIL** for the filename and press ENTER.

C. Chamfers.

Step 1. Click **Chamfer**  in the **Fillet flyout**  on the Features toolbar.

Step 2. In the Chamfer Property Manager set:

Depth  **.75**, Fig. 6

Angle  **45°**

select **Full preview**
click **inside edges at both ends**, Fig. 7 and Fig. 8

click **OK** .

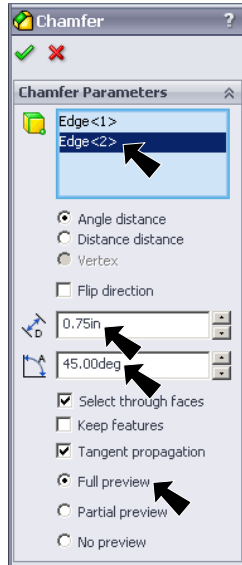


Fig. 6

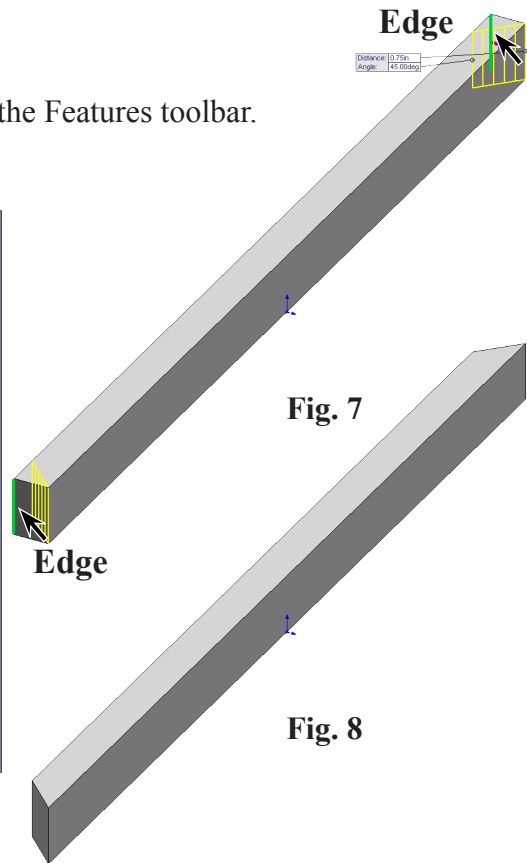


Fig. 7

Fig. 8

D. Fillet.

Step 1. Click **Fillet**  on the Features toolbar.

Step 2. In the Fillet Property Manager set:

Radius  **.15**, Fig. 9

click **both top edges**, Fig. 10 and Fig. 11

click **OK** .

Step 3. Save. Use **Ctrl-S**.

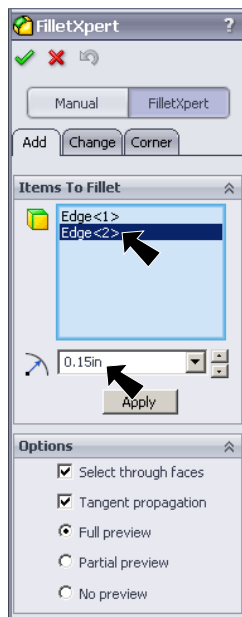


Fig. 9

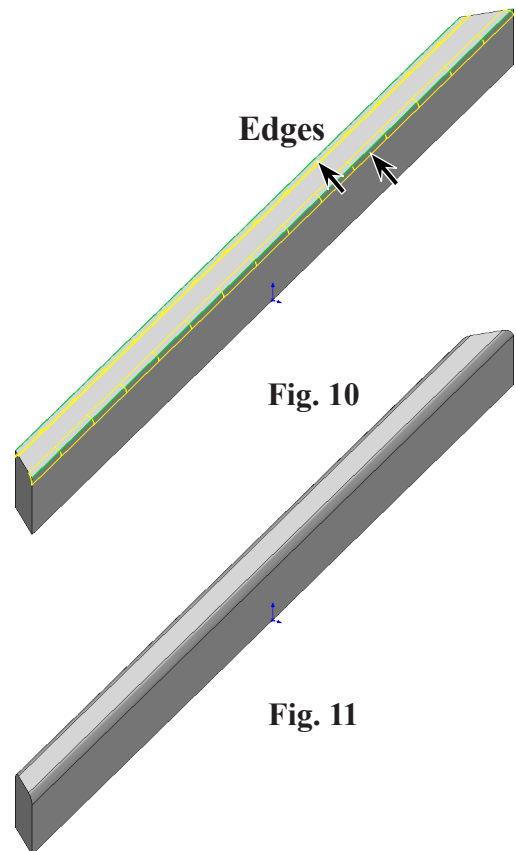


Fig. 10

Fig. 11

E. Material Pine.

Step 1. Right click Material  in the Feature Manager and click Edit Material, Fig. 12.

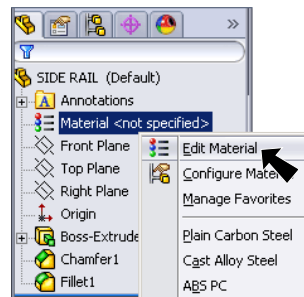


Fig. 12

Step 2. Expand Woods (click the +) in the material tree and click Pine. Click Apply and Close, Fig. 13.

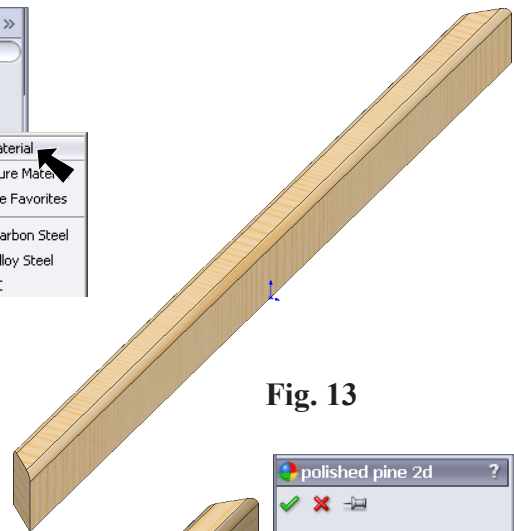


Fig. 13

Step 3. Save. Use Ctrl-S.

F. Rotate Mapping.

Step 1. Click PhotoView 360 Menu > Edit Appearance.

Step 2. In Appearances:

click Mapping tab , Fig. 14

Rotation 90

click OK , Fig. 15.

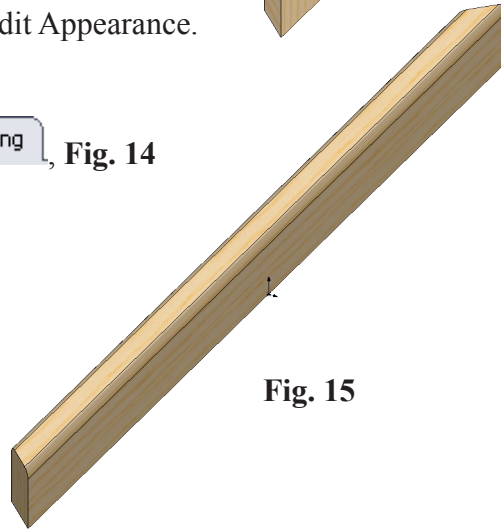


Fig. 15

Step 3. Save. Use Ctrl-S.

G. Save as "FRONT RAIL".

Step 1. Save. Very important to save at this time.

Use Ctrl-S to save SIDE RAIL.

Step 2. Click File Menu > Save As.

Step 3. Key-in FRONT RAIL for the filename.

You now have two Rail files, SIDE and FRONT. Next, we change length of Front Rail.

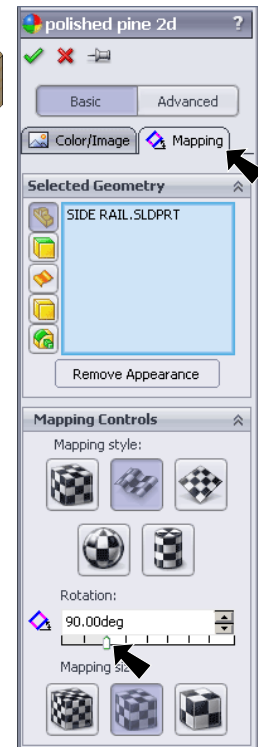


Fig. 14

H. Change Extrude Distance.

Step 1. Click **Boss-Extrude1** in the Feature Manager and click **Edit Feature**  in the menu, **Fig. 16**.

Step 2. In the Property Manager:

Change **Depth**  **13.5**

click **OK** , **Fig. 17** and **Fig. 18**.

Step 3. Save. Use **Ctrl-S**.

You should have 2 Rails:
SIDE 19.5
FRONT 13.5

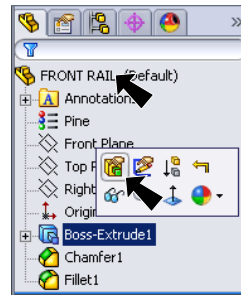


Fig. 16

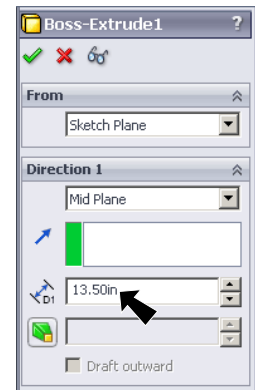


Fig. 17

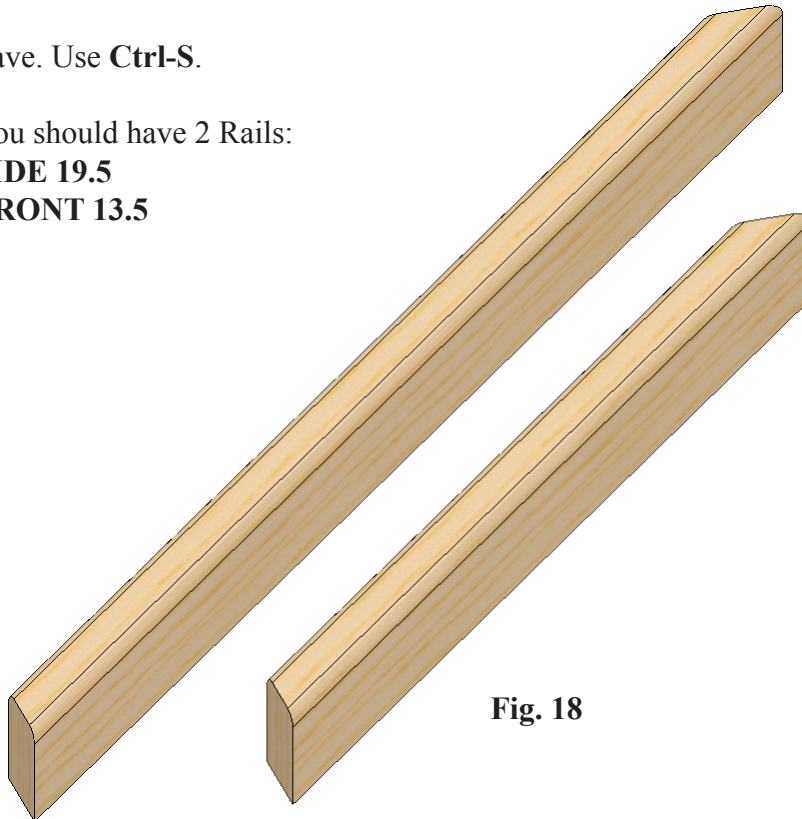


Fig. 18

Side
19.5 inches

Front
13.5 inches