

Solar Train Tie



A. Extrude1.

Step 1. Click **New**  on the Standard toolbar, click **Part Metric**  and OK.

Step 2. Click **Top Plane**  in the Feature Manager and click **Sketch**  on the context toolbar, **Fig. 1**.

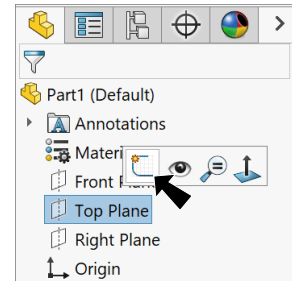


Fig. 1

Step 3. Click **Center Rectangle**  in the **Rectangle** flyout  on the Sketch toolbar.

Step 4. Sketch center rectangle at the **Origin** , **Fig. 2**.

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

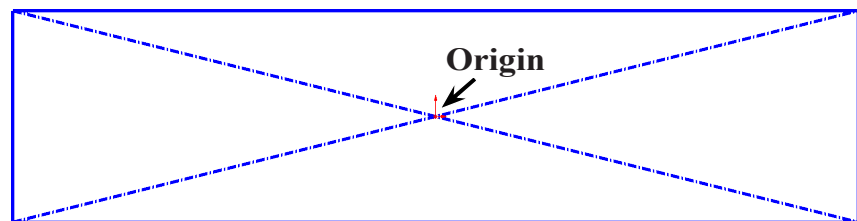


Fig. 2

Step 6. Add dimensions, **Fig. 3**.

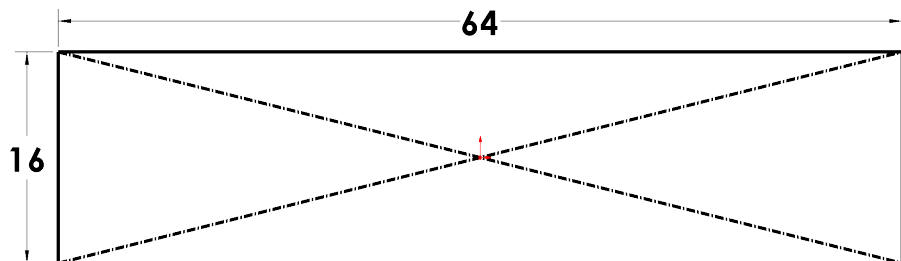
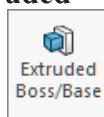


Fig. 3

Step 7. Click **Features**  on the Command Manager toolbar.

Step 8. Click **Extruded**



Boss/Base on the Features toolbar.

Step 9. In the Boss-Extrude Property Manager set:
under Direction 1, **Fig. 4**
End Condition **Blind**

Depth  **3.2**
click OK .

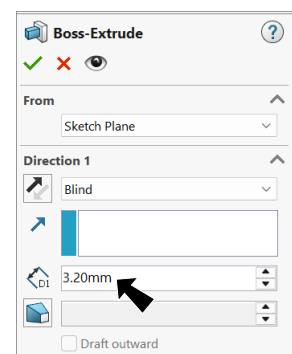


Fig. 4

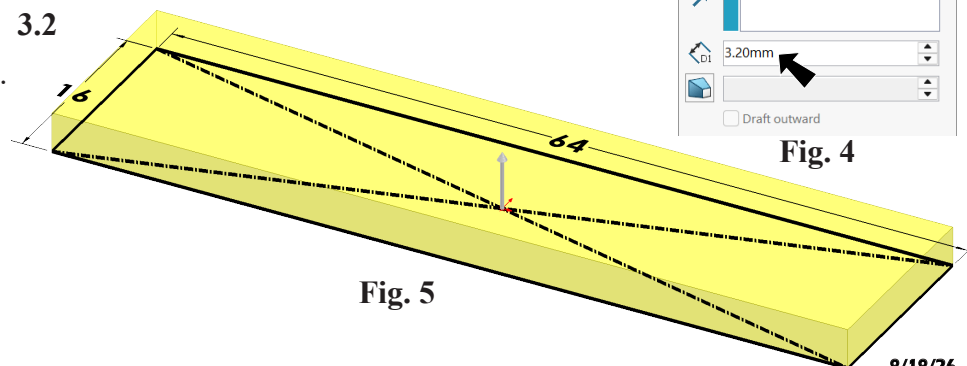


Fig. 5

B. Appearance: Unfinished Oak.

Step 1. Click the part, click **Appearance Call-out**  on the context toolbar and click **Part** , Fig. 6.

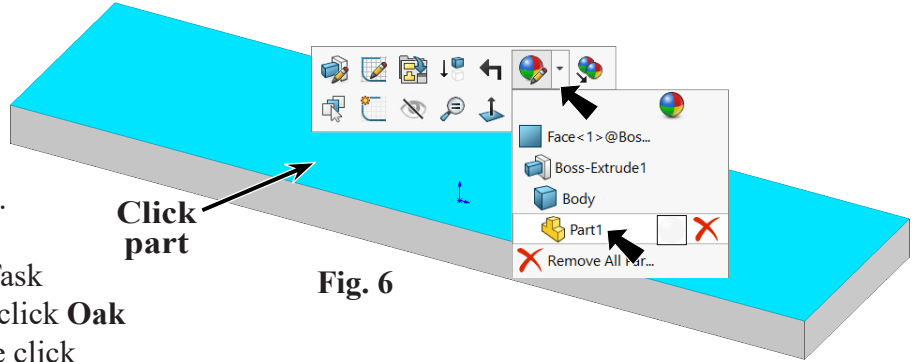


Fig. 6

Step 2. In the Appearances Task Pane expand **Wood**, click **Oak** and in the lower pane click **unfinished oak**, Fig. 7.

Step 3. Click OK  in the Property Manager.

C. Save as "TIE".

Step 1. Click File Menu > Save As.

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

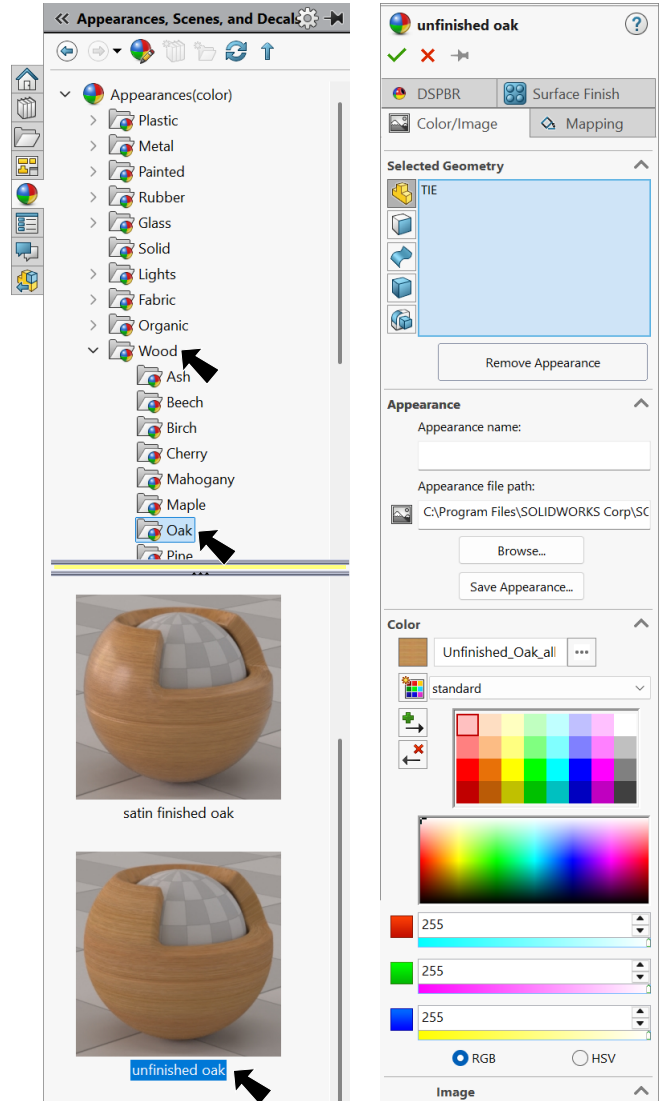


Fig. 7

Fig. 8

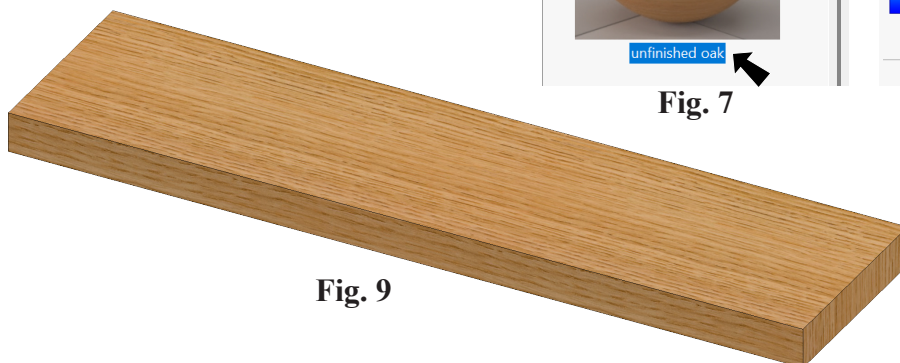


Fig. 9