

A Belt Sander Fixture for Squaring Up The End of a Rod, Version 1.0

By **R. G. Sparber**

Protected by Creative Commons.¹



With my level of skill, trying to square up the end of a rod on a belt sander is hopeless. The belt is pulling the end horizontally while I'm trying to keep it vertical.

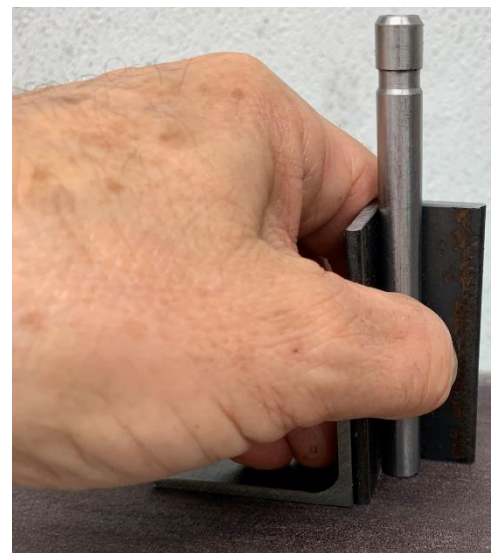
A simple tool solves my problem. It is made from two scraps of angle stock. One is 2 x 2 and the other is 3/4 x 3/4. Two flat head 6-32 screws hold them together.



The basic idea is that the horizontal face is slowly abraded away by the belt as it remains in full contact. This sets the vertically mounted piece of angle stock perpendicular to the belt.

I first place the rod in the vertical angle with the horizontal face and the end of the rod contacting the belt.

Then I lift up the assembly, turn on the belt, and place it back down. In less than 2 seconds, the end is square and smooth.



¹ This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

I welcome your comments and questions.

If you wish to be contacted each time I publish an article, email me with just "Subscribe" in the subject line. If you are on this list and have had enough, email me "Unsubscribe" in the subject line.

Rick Sparber

Rgsparber.ha@gmail.com

Rick.Sparber.org