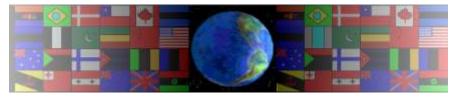
THE CENTRE LATHE

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

W.A.T.T.



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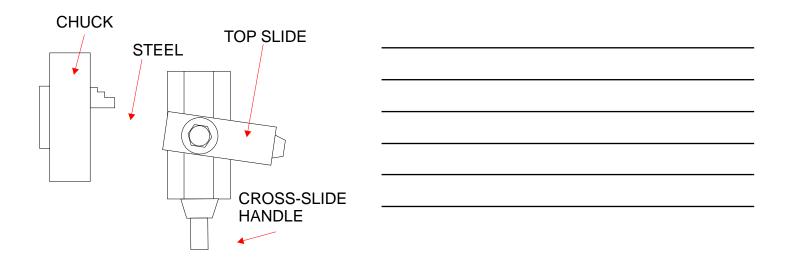
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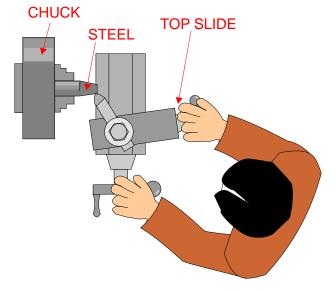
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1. The incomplete drawing below shows the technique called 'facing off'. Complete the drawing and add notes that explain this important technique.



2. What is likely to happen if an attempt is made to remove too much steel by the cutting tool, when facing off
a piece of steel. Remember, an engineer will always be patient and remove small amounts of material with each 'pass' of the cutting tool.
caon pass of the outling tool.

3. The diagram below shows the lathe being used to turn a short 'taper'. Read the following description and add the missing words. (Arranged underneath the paragraph).



\//han	a chart tapor the	ic cot a tha	
	a short taper the		
required	This is normally dor	ne by loosening two	
small	_ screws and then rotatin	g the topslide to the	
angle and tig	htening back up the two al	len screws.	
When the _	is rotating the tops	slide handle can be	
rotated slow	ly by hand in a	direction. A small	
amount of metal is removed each time until the taper is			
formed. If too much steel stands out from the chuck the			
steel will	and the surface fini	sh will be very poor.	

chuck topslide clockwise vibrate angle allen turning