

CLICK ON THE SMALL CIRCLES FOR LINKS TO USEFUL INFORMATION.

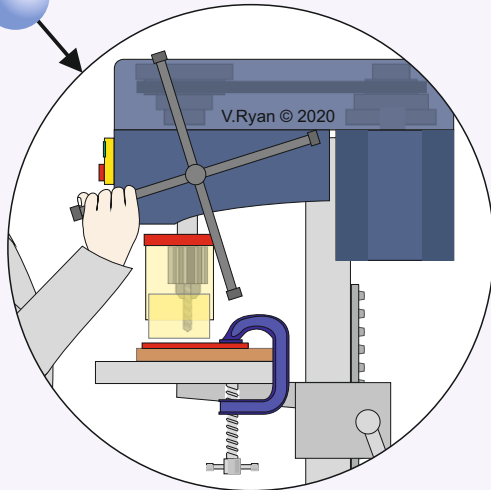
# G-CRAMPS, SASH CLAMPS, TOOLMAKERS CLAMPS AND VEE BLOCKS

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS <https://www.facebook.com/groups/254963448192823/> [www.technologystudent.com](http://www.technologystudent.com) © 2021 V.Ryan © 2021

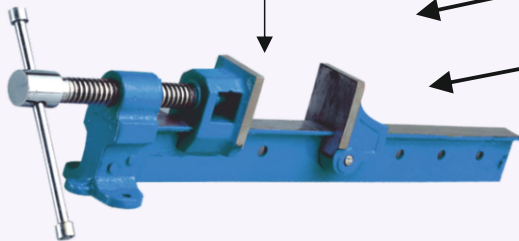
2. Draw a labelled diagram of a typical G-cramp.



3. Explain why a G-cramp has been used when drilling, as seen in this diagram.



4. Briefly, what is the general use of sash clamps? What is the range of available lengths? What materials are used in their manufacture?



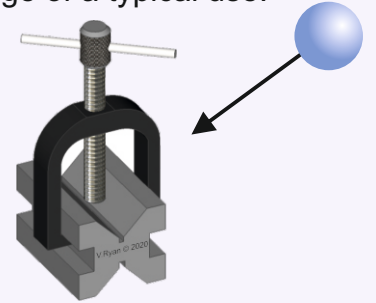
1. What is a G-cramp? Describe its general use and how it is tightened to secure work / materials.



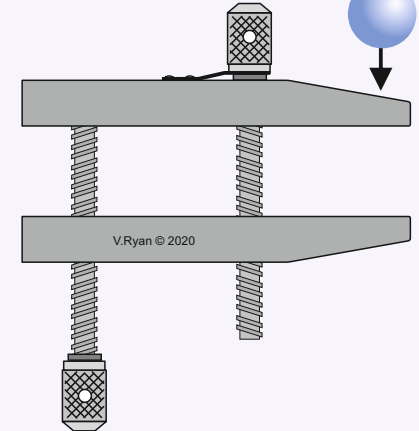
5. Draw a labelled diagram of a typical sash clamp.

Why is scrap wood used, when clamping materials, with a sash clamp?

8. Name the engineering equipment below. Describe how it is used. Include an image of a typical use.



7. The toolmakers clamp is very useful, especially when working with metals. Sketch and describe one example of its use.



6. Using notes and a diagram / sketch, describe how a box / frame is clamped? How is it checked for being 'square' (sometimes called 'squareness')?

## EXTENSION WORK



Search the internet for information on 'corner clamps'. Explain their function. Include at least one image to support your description of use / function.