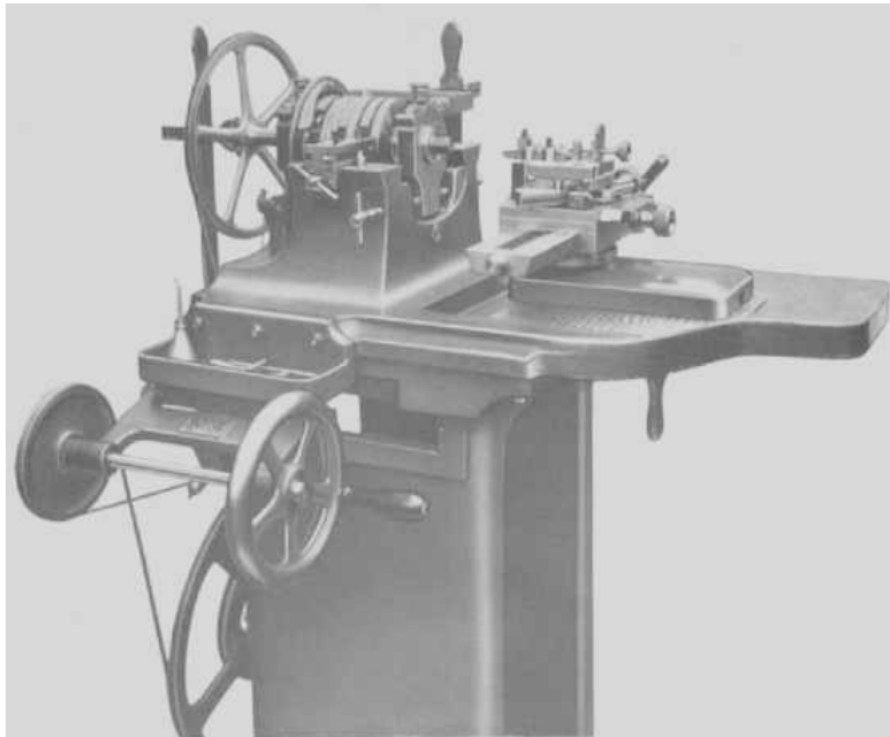


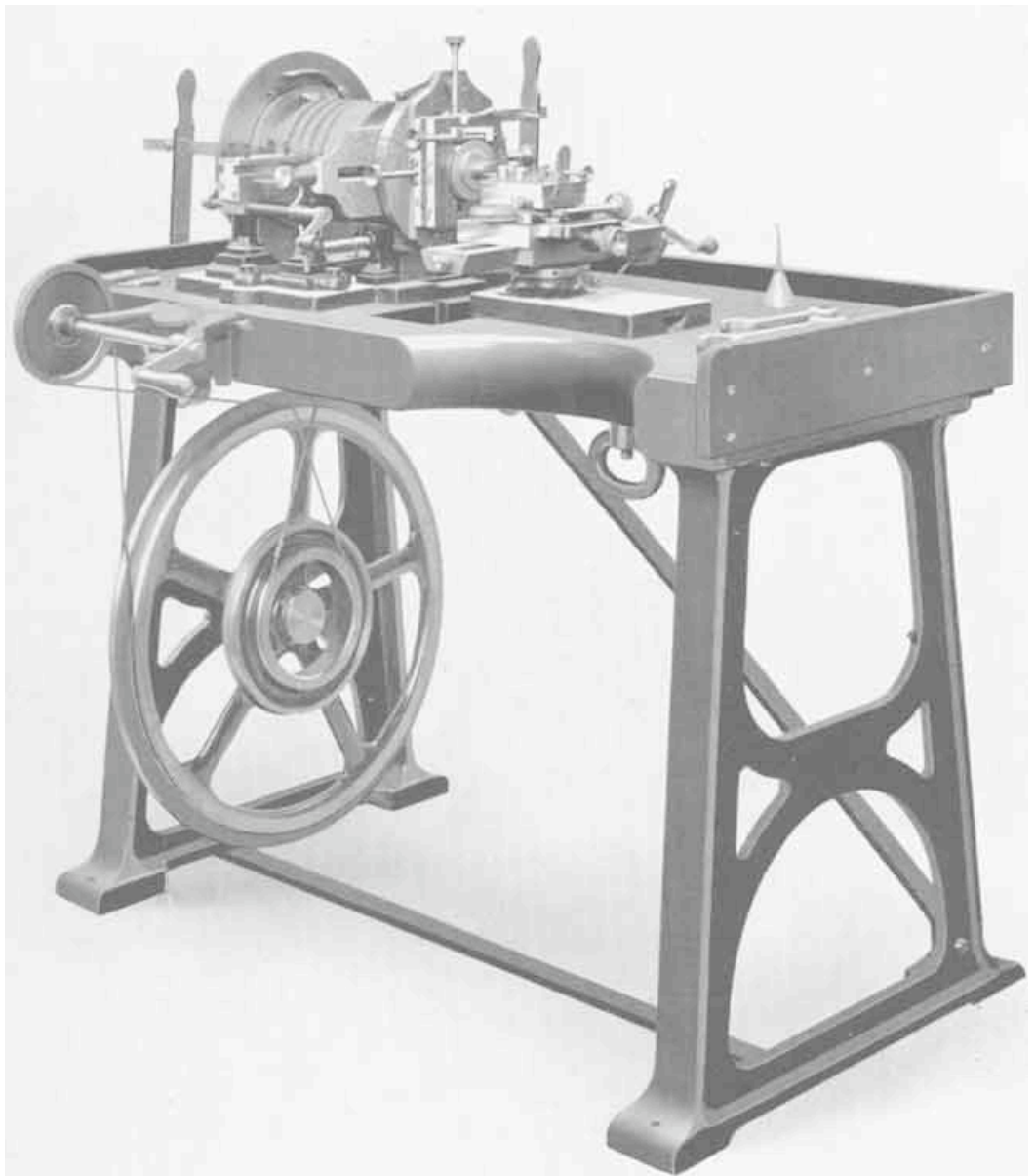
5. ***Circular Work***

Circular Machine - The Rose Engine

The Circular machine, known more correctly as the Rose Engine, is the original from which the entire engine turning process is derived. It is a variation of the simple turning lathe, modified by having a rocking and traversing headstock, the rocking or traversing motions being constrained by wavy cams called rosettes, set upon the barrel of the machine; hence the name Rose Engine. Early rose engines had straight line chucks fitted to them for rectilinear work; later the straight line machine was developed as a specialist tool which is more versatile and produces higher quality work.



A small Plant rose engine as produced in Birmingham by G Plant during the second quarter of the twentieth century. It is very useful for small production items as it can rotate much faster than a larger machine without inertia induced vibrations.



The Plant 7 inch rose engine