GATLING GUN

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APRIL 13, 2016
EDSGN 100
A Gatling gun, also known as a Mini Gun today, works like a heavy rapid firing gun. If mounted on a stand, it works as a turret as well. It has low accuracy and heavy damage.

(Source: steelhero.ru)

I considered many ideas for my personal SOLIDWORKS CAD project, I created a list and ranked it in terms of complexity, personal interest and others. I ended up with a list that included an Apache Chopper, a UAV, a Pistol and a Minigun. The idea of making a Minigun seemed interesting to me and therefore, I proceeded with it. I am very interested in weapons and such similar machinery that could also be used in the military.

This Project involved very complicated features from the Solidworks software, the first new feature I used was the pattern feature and I used it to create circular patterns in multiple areas on the gun.
For instance;

The next important feature that I used was Adjusting various Reference plan Geometries, my model has several planes used for sketching, and then either extrude body or extrude cut.

There were a total of 15 Planes used.
I used the loft tool, filet, Champfer and many other features to complete my SOLIDWORKS model of the Gatling gun.

The most complicated tool I used in my project however, would be the Project Curve tool. More than complicated, it was a tool that made a would be difficult task straight forward and I would not have figured out this if not for my project.
Towards the end, I believe that I have learnt a lot more by working on a project myself, I learnt how the software works and I am more accustomed to the user interface than I was at the beginning. In my opinion, it has been a very good opportunity for me to work on this software and would love to continue using this software in the near future.

The Gatling gun was a very interesting and intriguing task and wouldn’t have learnt half of what I did if not for my chosen project.