

Archimedes

William Khoury

What is the name of your designer?

Archimedes of
Syracuse

Where is he from?

Archimedes was from Syracuse, Sicily.



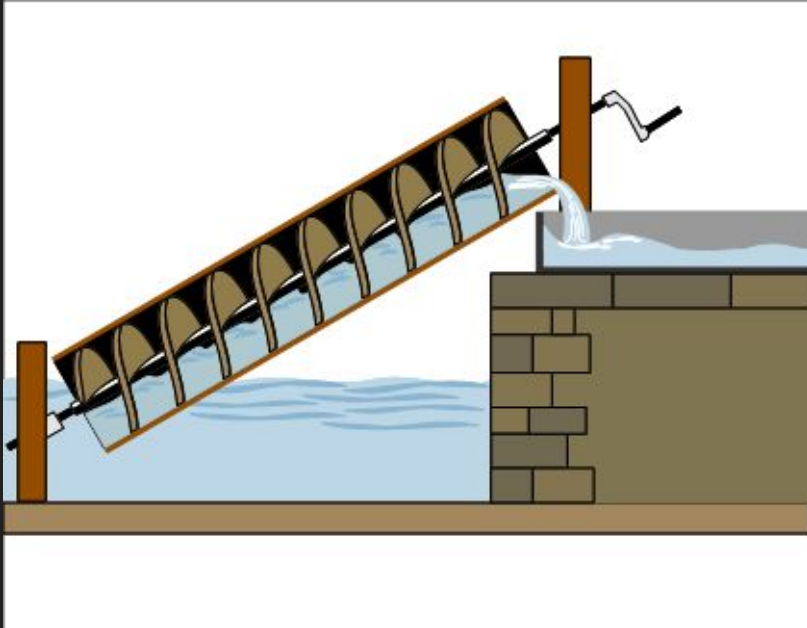
What is this individual famous for?

Archimedes was famous for his screw, his claw, his death ray, and his catapults. Archimedes' screw was a large screw inside a tube placed diagonally that swirled upward, carrying water against gravity from one level to another level.

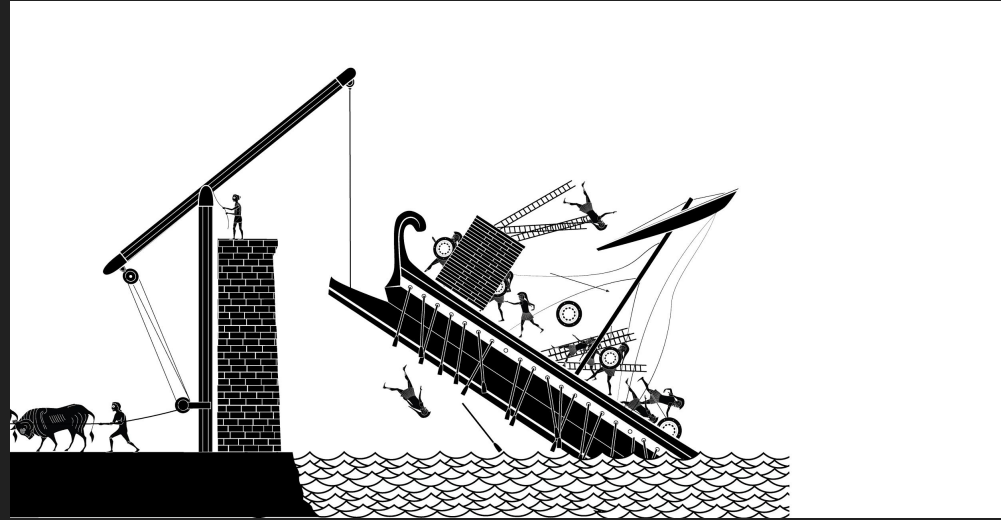
Archimedes' claw was a crane like mechanism with a grappling hook designed to catch on to ships and sink them just by pulling on the rope. The death ray of Archimedes was a set of mirrors designed to reflect the sun's rays and burn Roman Ships. He also made some improvements to the catapult and created a steam-powered catapult.

Archimedes also created the formula for the volume of a sphere and discovered that the volume of a sphere is exactly two-thirds the volume of the smallest cylinder it can fit in.

Screw



Claw



What were this individual's influences?

Euclid, a mathematician and scholar, composed a book on the Greek geometrical treatises, which influenced Archimedes.



Were there any technological advancements that came out of their designs?

Archimedes cleared up the principles of the pulley, the fulcrum and the lever, and discovered the principle of buoyancy. He helped in the research of hydrostatics, as well.



What impact did this designer have (if any) on future designers?

The See-Saw came out of fulcrums and levers, which Archimedes studied and may have inspired other designers to create much later on.



Why did you choose this individual?

I chose Archimedes because he was an ancient Greek designer, and I enjoy learning about past cultures, especially Ancient Greece. Also, I know he designed some interesting things, and I wanted to learn more about them.



The End