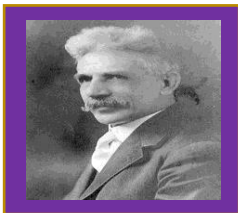




John McAdam

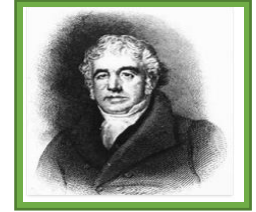
McAdam noticed that highways were in poor condition and carried out investigations to improve the condition of roads. He recommended using large rock, smaller stones and covering these with fine gravel to make them smoother. It took 30 years for him to improve all the roads in the United Kingdom!



William Addis

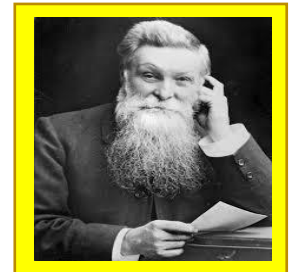
Addis created a toothbrush in the 18th Century made from animal bone and boar bristles. He wanted the toothbrush to be available to as many people as possible. His creation was the first mass produced toothbrush. The company still makes high-quality toothbrushes today, improving people's oral hygiene across the world.

Vocabulary	Definition
Waterproof	An object that keeps out water.
Rubber	A tough elastic material.
Dissolve	A solid breaks down into smaller particles and forms a solution.
Repel	To force something away or apart.
Air-filled	Contains as much air as possible.
Patent	Helps keep others from producing your product or using your idea.
Naphtha	An oily liquid
Camber	A slight shallow bend or curve.



Charles Macintosh

Macintosh experimented with various chemicals and found that a by-product of coal tar was able to dissolve India rubber. This paste was able to repel water, creating a waterproof fabric.



John Dunlop

In the 19th century when teaching his son to ride a bike Dunlop realised that it wasn't very comfortable for the rider. He decided to experiment with rubber, air and glue, creating an air-filled tyre. It was a success! He went on to starting his own company making tyres for bicycles and cars. Dunlop tyres are still used today.