

# A talented person made his own wind turbine

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Generated on: 2026-07-29 11:18:27

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Who invented the wind turbine?

In 1891, James was given a patent by the UK government for his so-called "wind engine." A couple years later, in 1895, he would license a Glasgow engineering company to make another turbine for the purpose of supplying emergency power for the Montrose Lunatic Asylum. The turbine ran for three decades.

Did James Blyth design a wind turbine?

James Blyth's 1891 design for a wind turbine. The wind, Blyth said, "is to be had everywhere." Rankin Kennedy's 1912 edition of 1905 book *The Book of Modern Engines and Power Generators*, vol. I, London: Caxton, pp. fig. 35

How did Blyth create a windmill?

After his success, Blyth developed a different design, essentially turning the turbine on its side. By strapping bisected barrels onto long wooden arms, he was able to create a turbine much more resistant to high winds, which caused trouble for the traditional windmill.

Why did William Kamkwamba build a windmill?

This talk was presented at an official TED conference. To power his family's home, young William Kamkwamba built an electricity-producing windmill from spare parts and scrap -- starting him on a journey detailed in the book and film "The Boy Who Harnessed the Wind."

James Blythe was described as "a true man of science...one who by insight, patient toil, and mechanical ingenuity did much in his day to explain and illustrate many of the facts of physical ...

Over the next few months, Kamkwamba created his own wind turbine, largely using discarded electronic parts he found in a junkyard near his former high school. At age 14, he successfully debuted his ...

Charles F. Brush: Independently, in the US, Charles F. Brush designed and constructed a much larger wind turbine the following year, 1888. This was used to charge batteries in the ...

He saw wind power as a solution to the oil and gas shortages of the 1950s - a view that was decades ahead of its time - and produced the first engineering textbook on wind power. ...

## A talented person made his own wind turbine

In 1887 James Blyth became the first person to spin electricity from air, lighting his home in Marykirk, south of Aberdeen, with a 33ft cloth-sailed wind turbine.

When he was just 14 years old, Malawian inventor William Kamkwamba built his family an electricity-generating windmill from spare parts, working from rough plans he found in a library book. This talk ...

An electrical engineer from Scotland, James Blyth created the first wind-powered turbine, which he used to power his Marykirk home. Blyth is a remarkable pioneer in the field of sustainable energy, and ...

Nearly a century before anyone thought seriously about wind-powered electricity, a Scotsman named James Blyth built the world's first wind turbine in his front yard.

After experimenting with windmills James Blyth made his breakthrough in July 1887 when his cloth-sailed wind turbine in the garden of Blyth House in Marykirk was used to charge accumulators.

Blyth used much larger metal scoops to catch the wind to generate electricity, which was used for supplying power to the Royal Asylum of Montrose hospital, where the wind turbine lasted for 30 years.

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