

TRAIN

HOW TO USE THIS BOOK

Read the captions in the eight-page booklet and, using the labels beside each sticker, choose the image that best fits in the space available.



Don't forget that your stickers can be stuck down and peeled off again. If you are careful, you can use your train stickers more than once.



You can also use *the train* stickers to decorate your own books, or for a school project.

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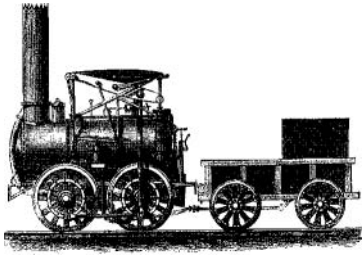
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Full steam ahead!

Railroads existed long before the first steam locomotives appeared; simple carriages were pulled short distances along the rails by horses. Many of the early steam locomotives were built by engineers who worked in heavy industries like coal and iron, and who needed an effective way of transporting large, heavy cargoes. They based their designs on the steam engine invented by James Watt in 1769.

Windy William

Puffing Billy was built by William Headley in 1813. It was used to haul coal from a mine to a river, 5 miles (8 km) away. *Puffing Billy* was very noisy and had to have a "silencer" attached to its smokestack.

Early pioneer

The *Catch-me-who-can* was built by Richard Trevithick in 1808. Trevithick had already built the world's first locomotive in 1804; it pulled a train of coal cars and carriages carrying 70 people on its trial run.

Rocket science

In 1829 the Rocket, invented by George and Robert Stephenson, proved once and for all that steam locomotives were more efficient than horse-powered carriages.

Made to measure

Steam locomotives were soon used all over the world for freight and passenger transportation. This steam locomotive was used in India in 1947. It had special blinds over the windows and a large headlight.

A common duchess

Early locomotives looked very different from each other. However, steam locomotives soon began to take on their familiar shape, and trains like the Duchess of Hamilton were a common sight on railroads around Britain.

Stamp of approval

Most steam locomotives carried work plates. This US plate shows where, when, and by which company the locomotive was built.

THE AGE OF STEAM



Duchess of Hamilton



Rocket



Chinese National Railways train

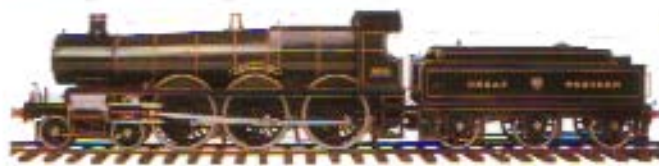


Tasmanian steam locomotive



Lady of Lynn

Early US locomotive



Starbridge Lion



Indian steam locomotive

US locomotive with cowcatcher



Catch-me-who-can



Columbine



Early underground steam train

Bluebell



"Puffing Billy"



Gladstone