

Diagrams of engine





nto the air. This fact explains two things about steam locomotives:. On a steam locomotive, the cross-head normally links to a drive rod, and from there to coupling rods that drive the locomotive's wheels. The arrangement often looks something like this:. In this diagram, the cross-head is connected to a drive rod that connects to one of three drive wheels for the train. The three wheels are connected via coupling rods so they turn in unison. Prev NEXT. It explains why they have to take on water at the station — the water is constantly being lost through the steam exhaust. It explains where the "choo-choo" sound comes from. When the valve opens the cylinder to release its steam exhaust, the steam escapes under a great deal of pressure and makes a "choo! When the train is first starting, the piston is moving very slowly, but then as the train starts rolling the piston gains speed. The effect of this is the "Choo This content is not compatible on this device. Cite This! Print Citation.