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## Steam boilers pdf

The high pressure steam for a steam engine comes from a boiler. The task of the boiler is to apply heat to the water to create steam. There are two approaches: fire hose and water hose. A fire hose boiler was more common in the 1800s. It consists of a perforated water tank with pipes. Hot gases from a coal or wood fire pass through the pipes to heat the water in the tank, as shown here: In a fire hose boiler, the entire tank is under pressure, so if the tank explodes it creates a large explosion. More common today are water pipe boilers, where water flows through a rack of pipes that are placed in the hot gases of the fire. The following simplified diagram shows a typical layout for a water pipe boiler: in a real boiler, things would be much more complicated because the goal of the boiler is to extract every possible bit of heat from the burning fuel to improve efficiency. For more information about steam engines and all kinds of other engines, check out the links below. HowStuffWorks articles Christine Benlafquih Once the couscous has completed its second steaming, empty it back into your large bowl. Break it and let cool slightly. Add separately from 2 1/2 to 3 cups of water, mix and mix the couscous with your hands after each addition. Couscous should be light, fluffy and leaning towards the tooth when trying it. It will continue to be held during the last steaming and the addition of broth during the service period. Transfer the couscous to the steamer - remember not to compress the couscous, just stack it slightly - and vaporize for the last time for another 10-15 minutes, timed since you see the steam. Again, seal the joint of the couscoussier if necessary. Due to the volume of couscous, it takes a little longer to see steam emerge. For this reason, some Moroccan cooks do not add all the couscous for final steaming in a single amount. They may place 1/3 or 1/2 of the couscous in the steamer and add more when they see the steam rise. Continue to 8 of 8 below.