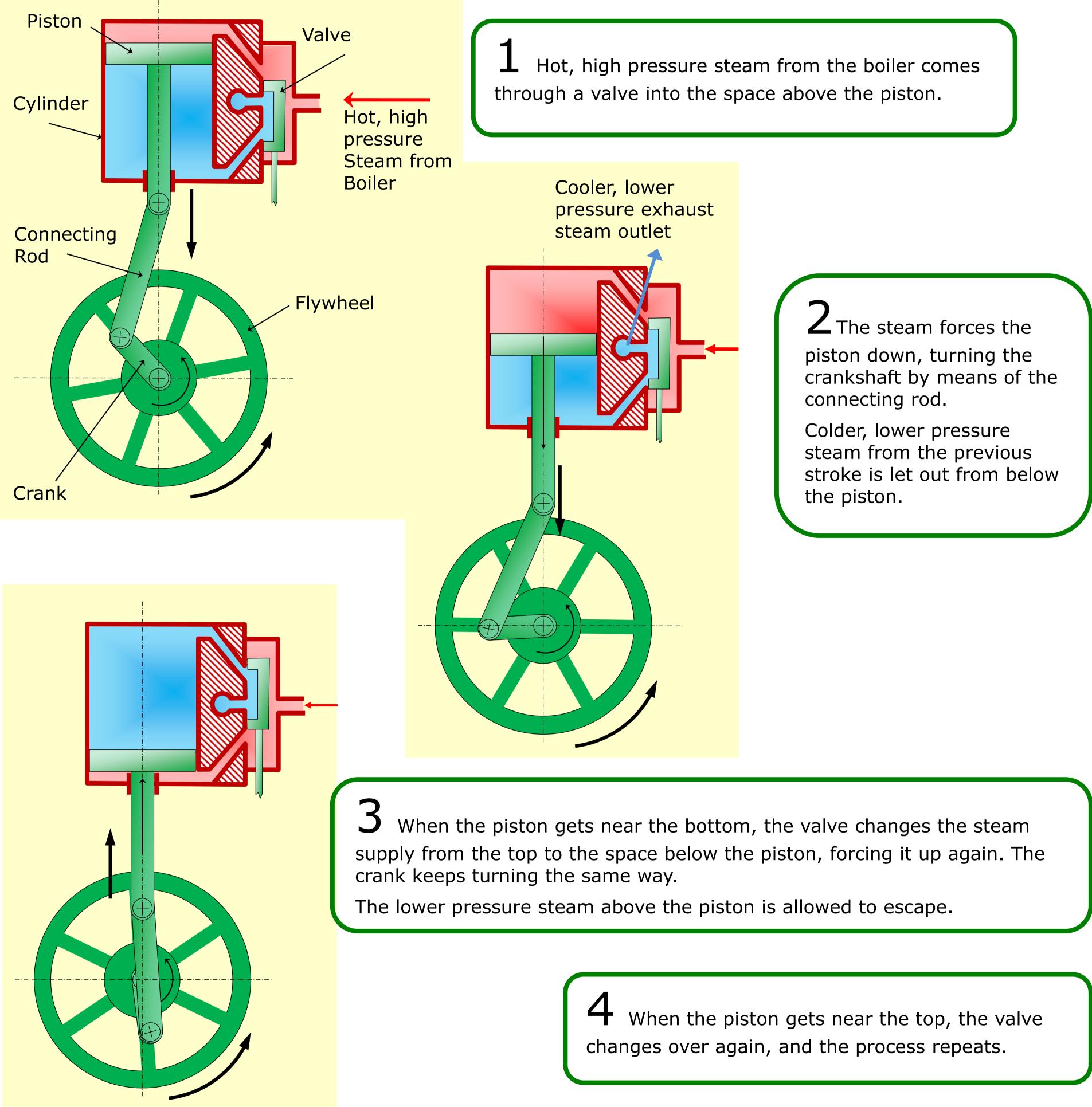
The Steam Engine

Steam engines take energy from steam at high pressure and temperature and convert it to mechanical power. Traditional reciprocating engines do this with a piston and crank similar to those in a petrol or diesel engine



The energy of the flywheel helps to keep the engine rotating at the ends of the stroke. The valve is driven from the crankshaft, so the whole thing is automatic.

Shamrock's engine has two sets of pistons and cylinders working on the same shaft – a twin high pressure engine. Between them, they keep the shaft turning continuously, so a flywheel is not needed (though the propeller and its shaft act rather like one).

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