A pumpjack (also known as oil derrick, pumping unit, horsehead pump, beam pump, grasshopper pump, thirsty bird and jack pump) is the above ground drive for a piston pump installed in a crude oil well.

It is used to mechanically lift liquid out of the well if there is not enough bottom hole pressure for the liquid to flow all the way to the surface. The arrangement is commonly used for on-shore wells producing relatively little oil. Pump jacks are common in many oil-rich areas and are usually powered by small electrical or solar-powered motors.

Depending on the size of the pump, it generally produces 5 to 40 liters of liquid at each stroke. Often this is an emulsion of crude oil and water. The size of the pump is also determined by the depth and weight of the oil to be removed, with deeper extraction requiring more power to move the heavier lengths of sucker rods.

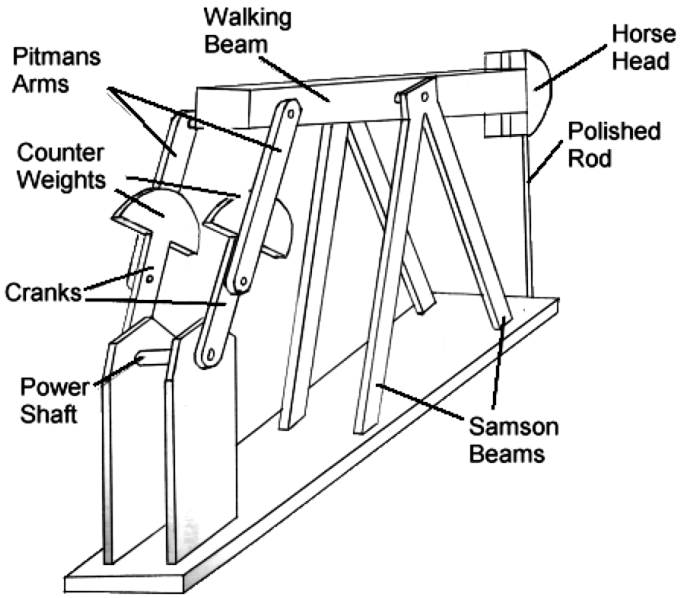

Image source: https://en.wikipedia.org/wiki/Pumpjack