For this reason the tubing forming the base of the machine is a very long hypotenuse of a very slight triangle. It runs slanting upward from the clutch boxes on the rear wheel to the handle-bar head, joining the latter above the front wheel. Attached near the centre of this long piece of tubing is a cylinder, at either end of which small rollers, over which the steel ribbons run to the rear clutches. This cylinder corresponds to the crank hanger on the usual bicycle.

A full stroke with the pedals on this new wheel necessitates very high knee motion. However, it is not necessary to take a full stroke if the rider chooses to make a shorter one. The lock of the clutch works is such that the slightest motion of the pedal—only an inch—puts the rear wheel in motion. This results in a peculiar movement, which, for want of a bet-