

Abstract

Exercise Bicycle

5 An exercise bicycle is provided with a planar four bar linkage with cranks. The bicycle frame (5) is used as the machine frame of the planar four bar linkage, the seat (2) of the bicycle is fixed on a connecting rod (8) of the planar four bar linkage, and the connecting rod (8) is not directly connected with the bicycle frame (5). A middle
10 axle (10) is used as the crank shaft, and one end of the connecting rod (8) is rotationally connected with a crank pin journal of the crank shaft (10), the other end thereof is connected with the member of the bicycle frame (5). The seat of the bicycle can do periodic movement with translation and rotation while a person rides the bicycle.

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Figure 1