ROWING WHEELCHAIR
Low Profile Lever

Easy Access Brake Trigger

Pull Action

Automatic Neutral Gear Engage

Wheels become disengaged if levers are depressed downwards
LEVER DRIVE POWER TRANSMISSION

Freewheel Ratchet

Brake Disk (Operated at lever)

Ratchet Disengage Mechanism (Operated at lever)

One Way Ratchet (connected to wheel)

Sprocket and Chain Drive

Pull Lever
Going Up Inclines

Lever pulling action:

i) Eliminates the resulting reaction force of gripping the wheel

ii) More stable stroke, where the user’s center of gravity tends to move forward rather than backward

iii) Allows increased mechanical advantage so that less force is required by the user on each stroke

Directly gripping the wheels in the traditional manner often results in the user tipping backwards up inclines.