

as it will go, speeding up the motor as the clutch band engages. The reverse band of the planetary transmission, such as is used in the Maxwell runabout is often used as a brake. In using it as a brake, care should be taken not to do so too roughly or too rapidly. The braking effect is obtained by the friction bands clamping the reverse drum, which tends to reverse the shaft of the transmission, and, in fact, the main driving shaft. A too sudden application of the reverse will throw a great strain on the driving mechanism and be detrimental to it. If care is used, no serious results will occur.

**Note:** On long down grades it is advisable to use this braking action of the reverse to help out the brakes, equally dividing the strain between the brakes and the reverse. This will greatly prolong the life of the brakes.

### **Never Race the Engine**

As this is the worst form of abuse. This applies when starting on low speed and when the car is on low speed in ascending a hill.

After you have used your car for some time the high speed clutch, low speed clutch and reverse clutch may need adjusting. The clutch on any automobile is simply a frictional device to connect the motor to the driving mechanism, and as friction means wear, it may be necessary to tighten these clutches occasionally.