

the clutch and putting on the brake by means of the foot lever. The car being stopped and the clutch released, push the gear shifting lever forward to the fifth position, or way forward as far as it will go. Release the foot clutch lever and it will drop into the proper notch on the quadrant, thus again throwing in the clutch.

Changing From High to Second

On heavy roads or when climbing steep hills the second speed should be engaged before the motor shows signs of laboring. To change from high speed back to second speed, press forward on the clutch foot lever, which releases the clutch and unlocks the gears, then push gear shifting lever forward to the second position. Remove the foot from the clutch lever and it will engage the proper notch in the quadrant. Before doing this, slow down the car and speed up the motor by means of the throttle and spark to approximately the speed it will have on the second gear. A too sudden reduction of speed from changing gears will result in unnecessary strain on the mechanism.

Changing to Slow Speed

On very bad hills or in very deep mud or sand it will at times be necessary to use the slow speed. To come into slow speed, first slow down the car, then speed up the motor by means of the throttle and spark to approximately the same speed it will have on slow speed. Push forward the clutch foot lever, which unlocks the gears and releases the clutch, then push the gear shifting lever to the third position. Remove the foot from the clutch lever and it will engage the proper notch on the quadrant, throwing in the clutch.

Before Stopping the Engine

It is advisable to shift the gears to the proper position for starting; that is, in a position for slow speed. This can be done easier while the car is moving very slowly or just as it is about to stop than after it comes to a full stop, as the gears are liable to be in such a position that the teeth of one set will be exactly opposite the teeth of the next, and when in this position it is difficult to engage the gears or mesh them as it is called. However, never leave the car with the motor running without leaving the gears in neutral position. Of course, with the outside hand lever drawn back as far as it will go the emergency brake is on and this also automatically releases the clutch. However, should some small boy or inquisitive person release this lever by accident, the car would go off without you, while if the gears had been left in neutral position no damage would result. Make it an invariable rule when leaving the car with the engine running, or when in the garage, to leave the gears in neutral position.

The Clutch

The clutch on all Maxwell sliding gear cars is of the multiple disc type. The discs are of special steel and run in a bath of oil. The clutch is engaged by a powerful spring and no adjustment is permitted or required.