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**Question:**

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**Answer:**

**Types of power transmission chains :**

- i) Block chain or bush chain drive
- ii) Bush roller chain
- iii) Inverted tooth or silent chain

Fig. shows inverted tooth or silent chain. It is designed to eliminate the evil effects caused by stretching and to produce noiseless running. When the chain stretches and the pitch of the chain increases, the links ride on the teeth of the sprocket wheel at a slightly increased radius. This automatically corrects the small change in the pitch. There is no relative sliding between the teeth of the inverted tooth chain and the sprocket wheel teeth. When properly lubricated, this chain gives durable service and runs very smoothly and quietly.

