

The Mao Era in Objects

Agricultural Tools: Wooden Railroad Tracks For Transportation

木軌鐵輪運材車

創造者：安徽省林業廳休休森工支局。

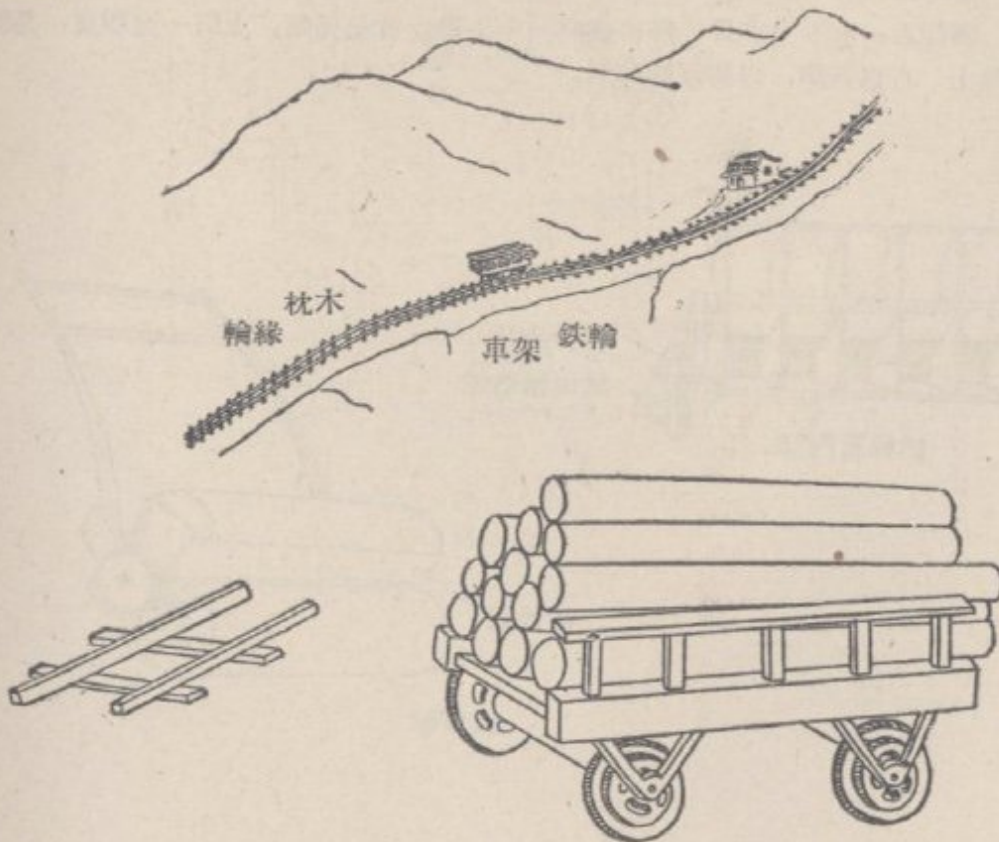
構造：軌道部分由枕木及木軌構成，木軌與車輪輪緣接觸部份的材料採用竹片，以減低摩擦阻力及增加強度。木軌構造與鐵道的情況基本相似，木軌及枕木都是利用鋸制枕木剩餘的板皮和梢頭木製成的。尺寸大小根據具體地勢條件而定。

鐵輪運材車由鐵輪及木制車架構成。鐵輪內側之輪距與木軌軌距相等。為了防止下坡時速度過快，發生出軌事故起見，還裝有木杆剎車裝置，以保證運輸安全平穩。

適用範圍：適於山區運材使用，運材距離可達 2,500 公尺以上，坡度以 25 度以下為宜。

使用方法：重車下坡時由人力稍加控制，回空時由人力推送或牽引。每次可裝運 5 立方的木材，一次可同時放運幾架車輛。

優點：運材工效比人工運材提高 5 倍，而且結構簡單，使用方便，便於操作，並且投資少，所以在勞力不足的山區木材生產中，這是一種解決山區短距離運材的改良工具。



Wooden railroad tracks for transportation (mugui tieshu yuncaiche 木轨铁运输材车)

DATE

1958

CREATOR

Unknown

PUBLISHER

Kexue puji chubanshe

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DESCRIPTION

The Ministry of Forest Affairs in Anhui province recommends the construction of wooden rail-road tracks, with bamboo pieces used for parts with a large degree of friction. Suitable for hilly areas these tracks can be constructed over a length of 2.500 meters, with a maximum slope degree of 25%. In order to avoid accidents and derailments wooden breaks can also be added. These tracks are recommended especially in regions with insufficient labor power, the transportation capacity is five times higher than when using human labor power.

Source: 'No. 23' in Quanguo nongju zhanlanhui (ed.), *Recommended exhibits of the National Exhibition of Agricultural Tools—Forest Machinery* (Quanguo nongju zhanlanhui – tujian zhanpin – linye jixie 全国农具展览会 - 推荐展品 - 林业机械) (Beijing: Kexue puji chubanshe, 1958).