

TREADLE-DRIVE TRANSMISSION WHEEL SERIES WITH PERIODICALLY VARIED SPEED RATIO AND HAVING INWARD PACKING AUXILIARY WHEEL

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ABSTRACT

In the present invention, one or both of an active wheel or a passive wheel is composed of an eccentric transmission wheel and is combined with a synchronous transmission belt for forming an eccentric wheel transmission wheel series, so that when the feet input forces at different angles from the treadle shafts of the treadles to an active wheel shaft combined on the active wheel through cranks, the active wheel forms different transmission speed ratios relative to the passive wheel according to the treadle angle, and random inward packing is performed to the transmission belt (100) of the engage end of the eccentric passive wheel (413) during the transmission for stabilizing the operation.

Figure 11