Multi-link mechanism

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Six-link chains for F = 1 (Degree of freedom) depend on Grübler's equation for single turning joints. In this case for n = 6 the number of joints is g = 7.

Two six-link chains with 7 joints and 4 binary and 2 ternary links can be derived, based on Watt's (chain I) (Fig. 12a) and Stephenson's (chain II) chain (Fig. 12b).
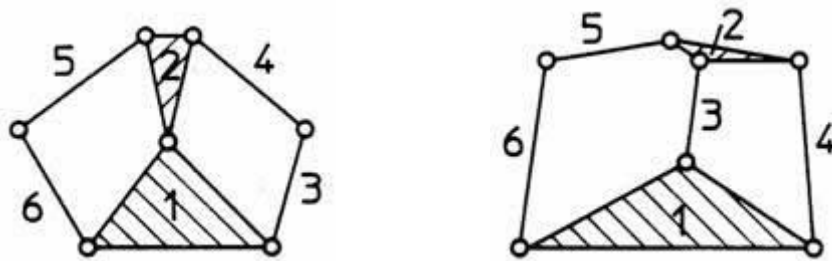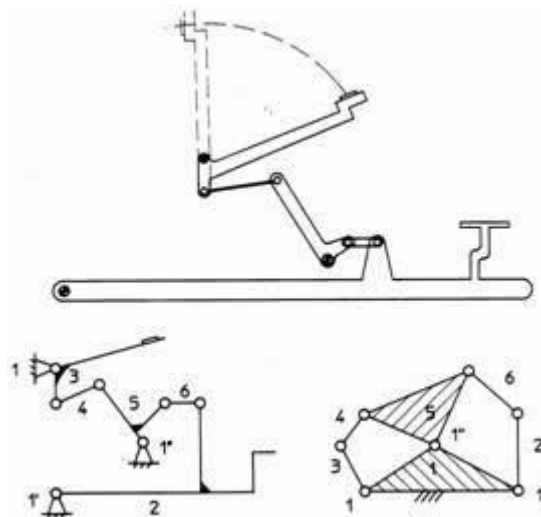

Fig. 12 a) Six-link chain by Watt   b) Six-link chain by Stephenson

Fig. 13 Typebar-lifting unit

Go to Exercise 1.6