

Title (en)
ELEVATING WORK PLATFORM

Title (de)
HUBARBEITSBÜHNE

Title (fr)
PLATEFORME DE TRAVAIL ELEVATRICE

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Application
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Abstract (en)
[origin: US6216820B1] The invention relates to an elevating work platform having a working platform (16) which can move vertically upwards on at least two parallel masts (3, 4), and which has a carriage (14, 15) for each mast (3, 4). The carriage (14, 15) is guided on the respective mast (3, 4) and has a driving unit. The working platform (16) is supported on the carriage (14, 15) by means of joining elements (40), and power transmission between the mast (3, 4) and the carriage (14, 15) takes place by positive locking. The invention seeks by simple means to compensate the movement of the working platform (16) in relation to the masts (3, 4). This is necessary due to the load to which the working platform (16) is subjected and due to construction tolerances, and so as to prevent high levels of tension in the elevating work platform. To this end, the joining elements (40) between each carriage (14, 15) and the working platform (16) are so configured that the working platform (16) can be partially displaced along its longitudinal axis in relation to the carriages (14, 15), and can partially rotate at right angles to its longitudinal axis in relation to the carriages (14, 15).

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