

Title (en)
Backhoe with locking device.

Title (de)
Heckbagger mit einer Verriegelungsvorrichtung.

Title (fr)
Retropelleuse avec dispositif de verrouillage.

Publication
EP 0493730 B1 19950301 (DE)

Application
EP 91121464 A 19911214

Priority
US 63665791 A 19910102

Abstract (en)
[origin: US5064339A] A backhoe loader has a rearward backhole mechanism having a swing frame pivotally connected to a tractor main frame on a pair of vertical pivots. A backhoe boom is swingable on a transverse pivot carried by the swing frame by actuation of a hydraulic cylinder, and the boom being swingable between rearward operating positions and a generally upright transport position. The boom is lockable in its transport position by a mechanism that includes a T-shaped latch member that is swingably mounted on the swing frame on a horizontal pivot, the swinging movement being controlled by a control lever and cable system actuable from the vehicle operator station. The lock includes a pair of upwardly open hook-type lock elements on the boom that respectively receive lock pins formed by the cross portion of the T-shaped latch member, and the hook elements having inclined ramps at their forward ends that engage the latch member pins as the boom swings rearwardly into its transport position to shift the latch member upwardly until the pins clear the ramps and drop downwardly into the sockets of the hook-type elements. An adjustable stop is provided on the swing frame for engaging the boom and limiting the rearward movement of the boom past the upright transport position.

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CPC (source: EP US)
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