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(12) Utility Model Patent



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(54) Title of Invention

Retractable handle of lawn mower

(57) Abstract of Disclosures

The present utility model provides a retractable handle of a lawn mower, which comprises a first handle portion, which is connected to a main body portion of a mower, wherein the first handle portion comprises two rod members arranged in parallel; a second handle portion which comprises two free ends which can be respectively connected with the two rod members; a connecting device, which is transversely arranged between the two rod members, wherein the connecting device comprises at least one pivot member which is pivotable around a pivot, the pivot member is provided with a first pivoting position and a second pivoting position for pivoting around the pivot, in the first pivoting position, the second handle portion is locked to the first handle portion, and in the second pivoting position, the second handle portion can be

unlocked relative to the first handle portion. The unlocking and locking of the second handle portion relative to the first handle portion is achieved through the connecting device, so that when the lawn mower is used or stored, the handle can be flexibly switched according to the actual working condition.



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What is claimed is:

1. A retractable handle, comprising:
  - a first handle portion;
  - a second handle portion which is retractable with respect to the first handle portion; and
  - a connecting device configured to lock or unlock the second handle portion with the first handle portion;characterized in that: the connecting device comprises at least one pivoting member which is pivotable around a pivot, the pivoting member has a first pivoting position and a second pivoting position for pivoting around the pivot, in the first pivoting position, the second handle portion is locked to the first handle portion, and in the second pivoting position, the second handle portion is unlocked from the first handle portion.
2. The retractable handle according to claim 1, characterized in that the connecting device further comprises a driving member and a pressing member, the pivoting member comprises a first end and a second end, the first end abuts against the driving member, the second end abuts against the pressing member, and the pressing member is pressed onto the second handle portion through a hole provided on the first handle portion.
3. The retractable handle according to claim 2, characterized in that a direction of movement of the driving member at the first end and the direction of movement of the pressing member at the second end are substantially perpendicular to each other.
4. The retractable handle according to claim 2, characterized in that the connecting device further comprises a resetting member acting on the pivoting member, the resetting member cooperates with the driving member such that the pivoting member is switchable between the first pivoting position and the second pivoting position.
5. The retractable handle according to claim 2, characterized in that the connecting device further comprises a pin and a pin resetting member, the pin is engageable with a first insertion hole disposed on the first handle portion and a second insertion hole disposed on

the second handle portion, and the first end of the pivoting member is connected to the pin.

6. The retractable handle according to any one of claims 2 to 5, characterized in that the connecting device comprises a housing, the driving member is supported on the housing, the pressing member and the pivoting member are disposed in the housing, and the pivot is formed on the housing.
7. The retractable handle according to claim 1, characterized in that the connecting device is arranged at a junction of the first handle portion and the second handle portion.
8. A retractable handle for a lawn mower, comprising:
  - a first handle portion connected to a main body portion of the lawn mower, wherein the first handle portion comprises two rod members arranged in parallel;
  - a second handle portion comprises two free ends respectively connected to the two rod members;
  - a connecting device disposed transversely between the two rod members;characterized in that: the connecting device comprises at least one pivoting member which is pivotable around a pivot, the pivoting member has a first pivoting position and a second pivoting position for pivoting around the pivot, in the first pivoting position, the second handle portion is locked to the first handle portion, and in the second pivoting position, the second handle portion is unlocked from the first handle portion.
9. The retractable handle according to claim 8, characterized in that the connecting device further comprises a driving member and a pressing member, the pivoting member comprises a first end and a second end, the first end abuts against the driving member, the second end abuts against the pressing member, and the pressing member is pressed onto the second handle portion through a hole provided on the first handle portion.

10. The retractable handle according to claim 9, characterized in that a direction of movement of the driving member at the first end and the direction of movement of the pressing member at the second end are substantially perpendicular to each other.
11. The retractable handle according to claim 9, characterized in that the connecting device further comprises a resetting member acting on the pivoting member, the resetting member cooperates with the driving member such that the pivoting member is switchable between the first pivoting position and the second pivoting position.
12. The retractable handle according to claim 9, characterized in that the connecting device further comprises a pin and a pin resetting member, the pin is engageable with a first insertion hole disposed on the first handle portion and a second insertion hole disposed on the second handle portion, and the first end of the pivoting member is connected to the pin.
13. The retractable handle according to any one of claims 8 to 12, characterized in that the connecting device comprises a housing, and the pivot is formed on the housing.

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