CLAIMS:

1. A stroller comprising:

a frame part including a front leg and a rear leg;

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move the locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is slidably disposed on the handle; and

the switching member is arranged on the first holding position on the handle when the handle is located on the first position, and is arranged on the second holding position on the handle, which is different from the first holding position, when the handle is located on the second position.

2. The stroller according to claim 1, wherein

the frame part further includes: a first engagement member that is engaged with the switching member, when the handle is located on the first

position, so as to hold the switching member on the first holding position; and a second engagement member that is engaged with the switching member, when the handle is located on the second position, so as to hold the switching member on the second holding position.

3. The stroller according to claim 2, wherein:

the frame part further includes an armrest connected with the front leg and the rear leg; and

the first engagement member and the second engagement member are disposed on the armrest.

4. The stroller according to claim 2, wherein

the switching member and the frame part are structured such that, when the switching member is engaged with the first engagement member, the swinging movement of the handle from the first position is regulated, and that, when the switching member is engaged with the second engagement member, the swinging movement of the handle from the second position is regulated.

5. The stroller according to claim 1, wherein:

the switching member is movable on the handle in a longitudinal direction of the handle; and

a distance between the switching member and a swing center of the handle along the longitudinal direction of the handle differs depending on whether the switching member is located on the first holding position or the switching member is located on the second holding position.

6. A stroller comprising:

a frame part including a front leg and a rear leg,

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is pivotably supported on the frame part;

the switching member includes a projecting part that is projectable in a trajectory zone of the handle, which is defined when the handle is swung, or a trajectory zone of a member disposed on the handle, which is defined when the handle is swung; and

the switching member is structured such that, when the handle or the member disposed on the handle presses the projecting part during a movement of the handle from the first position to the second position or from the second position to the first position, the switching member is turned between the first holding position and the second holding position.

7. The stroller according to claim 6, wherein

a caster mechanism for front leg is disposed on a lower end of the front leg, and a caster mechanism for rear leg is disposed on a lower end of the rear leg, and

the first transmission mechanism is disposed between one of the caster mechanism for front leg and the caster mechanism for rear leg and the switching mechanism, and the second transmission mechanism is disposed between the other of the caster mechanism for front leg and the caster mechanism for rear leg and the switching mechanism.

8. The stroller according to claim 7, wherein

the first transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism for front leg, and a tubular member through which the lead wire passes,

the second transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism for rear leg, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the first transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the first transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the first transmission mechanism from the end of the tubular member on the side of the caster mechanism for front leg, and the lead wire of the second transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the second transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the second transmission mechanism from the end of the tubular member on the side of the caster mechanism for rear leg, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the first transmission mechanism is, in accordance with the movement of the switching member,

pushed into the tubular member of the first transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the first transmission mechanism from the end of the tubular member on the side of the caster mechanism for front leg, and the lead wire of the second transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the second transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the second transmission mechanism form the end of the tubular member on the side of the caster mechanism for rear leg.

9. The stroller according to claim 6, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism.

10. The stroller according to claim 6, wherein

the caster mechanism is disposed at least on a lower end of the front leg.

11. The stroller according to claim 10, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism disposed on the lower end of the front leg, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member drawn outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism.

12. The stroller according to claim 6,

the frame part further includes an armrest connected with the front leg and the rear leg, and

the switching member is pivotably supported on the armrest.

13. The stroller according to claim 12, wherein

the switching member is supported in the armrest, and the projecting part can project from the armrest.

14. The stroller according to claim 12, wherein

a part of the switching member is positioned in the armrest, and the projecting part can project from the armrest.

15. The stroller according to claim 6, wherein

a pivot axis of the switching member is extended in parallel with an imaginary plane including a movement trajectory of a part of the handle or a part of the member disposed on the handle, the part being capable of coming into contact with the projecting part, when the handle is swung.

16. The stroller according to claim 6, wherein

a pivot axis of the switching member is extended perpendicularly to an imaginary plane including a movement trajectory of a part of the handle or a part of the member disposed on the handle, the part being capable of coming into contact with the projecting part, when the handle is swung.

17. The stroller according to claim 6, wherein

when the switching member is held on the second holding position, the projecting part of the switching member is located within the trajectory zone of the handle or within the trajectory zone of the member disposed on the handle, and is pressed by the handle or the member disposed on the handle, which is swung from the second position toward the first position.

18. The stroller according to claim 17, wherein

the projecting part of the switching member is pressed up to a position outside the trajectory zone of the handle or outside the trajectory zone of the member disposed on the handle, by the handle or the member disposed on the handle, which is swung from the second position toward the first position.

19. The stroller according to claim 17, wherein

when the switching member is held on the first holding position, the projecting part of the switching member is located outside the trajectory zone of the handle or outside the trajectory zone of the member disposed on the handle.

20. The stroller according to claim 6, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member, and a tubular member through which the lead wire passes, and

an end of the lead wire on the side of the switching mechanism is fixed on the switching member at a position near to the projecting part.

21. The stroller according to claim 6, wherein

the switching member includes:

a first projecting part structured such that, when the switching member is located on the second holding position, the first projecting part projects in the trajectory zone of the handle or in the trajectory zone of the member disposed on the handle, so as to be pressed by the handle or the member disposed on the handle during the swinging movement of the handle from the second position toward the first position; and

a second projecting part structured such that, when the switching member is located on the first holding position, the second projecting part projects in the trajectory zone of the handle or in the trajectory zone of the member disposed on the handle, so as to be pressed by the handle or the member disposed on the handle during the swinging movement of the handle from the first position toward the second position.

22. The stroller according to claim 6, wherein

the switching mechanism is structured such that, when the switching member is located on an intermediate position between the first holding

position and the second holding position, the switching member is urged toward the first holding position or the second holding position.

23. The stroller according to claim 6, wherein

the handle is inclined forward on the first position, and is inclined rearward on the second position.

CLAIMS

1. A stroller comprising:

a frame part including a front leg and a rear leg,

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is pivotably supported on the frame part;

the switching member includes a projecting part that is projectable in a trajectory zone of the handle, which is defined when the handle is swung, or a trajectory zone of a member disposed on the handle, which is defined when the handle is swung;

the switching member is structured such that, when the handle or the member disposed on the handle presses the projecting part during a movement of the handle from the first position to the second position or from the second position to the first position, the switching member is turned between the

first holding position and the second holding position,

the frame part further includes an armrest connected with the front leg and the rear leg,

the switching member is pivotably supported in the armrest, and

the projecting part can project from the armrest.

2. A stroller comprising:

a frame part including a front leg and a rear leg,

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is pivotably supported on the frame part;

the switching member includes a projecting part that is projectable in a trajectory zone of the handle, which is defined when the handle is swung, or a trajectory zone of a member disposed on the handle, which is defined when the handle is swung;

the switching member is structured such that, when the handle or the member disposed on the handle presses the projecting part during a movement of the handle from the first position to the second position or from the second position to the first position, the switching member is turned between the first holding position and the second holding position,

the frame part further includes an armrest connected with the front leg and the rear leg,

the switching member is pivotably supported on the armrest,

a part of the switching member is positioned in the armrest, and

the projecting part can project from the armrest.

3. A stroller comprising:

a frame part including a front leg and a rear leg,

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is pivotably supported on the frame part;

the switching member includes:

a first projecting part structured such that, when the switching member is located on the second holding position, the first projecting part projects in the trajectory zone of the handle or in the trajectory zone of the member disposed on the handle, so as to be pressed by the handle or the member disposed on the handle during the swinging movement of the handle from the second position toward the first position; and

a second projecting part structured such that, when the switching member is located on the first holding position, the second projecting part projects in the trajectory zone of the handle or in the trajectory zone of the member disposed on the handle, so as to be pressed by the handle or the member disposed on the handle during the swinging movement of the handle from the first position toward the second position; and

the switching member is structured such that, when the handle or the member disposed on the handle presses the second projecting part or the first projecting part during a movement of the handle from the first position to the second position or from the second position to the first position, the switching member is turned between the first holding position and the second holding position.

4. The stroller according to any one of claims 1-3, wherein

a caster mechanism for front leg is disposed on a lower end of the front leg, and a caster mechanism for rear leg is disposed on a lower end of the rear leg, and

the first transmission mechanism is disposed between one of the caster mechanism for front leg and the caster mechanism for rear leg and the switching mechanism, and the second transmission mechanism is disposed between the other of the caster mechanism for front leg and the caster mechanism for rear leg and the switching mechanism.

5. The stroller according to claim 4, wherein

the first transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism for front leg, and a tubular member through which the lead wire passes,

the second transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism for rear leg, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the first transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the first transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the first transmission mechanism from the end of the tubular member on the side of the caster mechanism for front leg, and the lead wire of the second transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the second transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the second transmission mechanism from the end of the tubular member on the side of the caster mechanism for rear leg, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the first transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the first transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the first transmission mechanism from the end of the tubular member on the side of the caster mechanism for front leg, and the lead wire of the second transmission mechanism is, in accordance with the movement of the switching member, drawn outside the

tubular member of the second transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the second transmission mechanism form the end of the tubular member on the side of the caster mechanism for rear leg.

6. The stroller according to any one of claims 1-3, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member of the caster mechanism, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism.

7. The stroller according to any one of claims 1-3, wherein

the caster mechanism is disposed at least on a lower end of the front leg.

8. The stroller according to claim 7, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member

and the locking member of the caster mechanism disposed on the lower end of the front leg, and a tubular member through which the lead wire passes,

when the switching member is moved from the first holding position toward the second holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, drawn outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is drawn into the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism, and

when the switching member is moved from the second holding position toward the first holding position, the lead wire of the transmission mechanism is, in accordance with the movement of the switching member, pushed into the tubular member of the transmission mechanism from the end of the tubular member on the side of the switching mechanism, and is pushed outside the tubular member of the transmission mechanism from the end of the tubular member on the side of the caster mechanism.

9. The stroller according to any one of claims 1-8, wherein

a pivot axis of the switching member is extended in parallel with an imaginary plane including a movement trajectory of a part of the handle or a part of the member disposed on the handle, the part being capable of coming into contact with the projecting part, when the handle is swung.

10. The stroller according to any one of claims 1-9, wherein

a pivot axis of the switching member is extended perpendicularly to a movement trajectory of a part of the handle or a part of the member disposed on the handle, the part being capable of coming into contact with the projecting part, when the handle is swung.

11. The stroller according to any one of claims 1-10, wherein

when the switching member is held on the second holding position, the projecting part of the switching member is located within the trajectory zone of the handle or within the trajectory zone of the member disposed on the handle, and is pressed by the handle or the member disposed on the handle, which is swung from the second position toward the first position.

12. The stroller according to claim 11, wherein

the projecting part of the switching member is pressed up to a position outside the trajectory zone of the handle or outside the trajectory zone of the member disposed on the handle, by the handle or the member disposed on the handle, which is swung from the second position toward the first position.

13. The stroller according to claim 11, wherein

when the switching member is held on the first holding position, the projecting part of the switching member is located outside the trajectory zone of the handle or outside the trajectory zone of the member disposed on the handle.

14. The stroller according to any one of claims 1-13, wherein

the transmission mechanism includes a lead wire whose opposed ends are respectively fixed to the switching member and the locking member, and a tubular member through which the lead wire passes, and

an end of the lead wire on the side of the switching mechanism is fixed on the switching member at a position near to the projecting part.

15. The stroller according to any one of claims 1-14, wherein

the switching mechanism is structured such that, when the switching member is located on an intermediate position between the first holding position and the second holding position, the switching member is urged toward the first holding position or the second holding position.

16. A stroller comprising:

a frame part including a front leg and a rear leg;

a handle connected to the frame part so as to be swingable between a first position and a second position;

a caster mechanism disposed at least on one of the front leg and the rear leg, the caster mechanism including a wheel, a wheel holder configured to rotatably and turnably hold the wheel, and a locking member capable of being moved between a locking position for regulating a turning of the wheel and an unlocking position for enabling the turning of the wheel;

a switching mechanism including a switching member which is configured to be held on a first holding position when the handle is located on the first position, and to be held on a second holding position when the handle is located on the second position; and

a transmission mechanism disposed between the switching mechanism and the caster mechanism, and configured to transmit, to the locking member, a movement of the switching member between the first holding position and the second holding position, so as to move the locking member from the unlocking position to the locking position or from the locking position to the unlocking position;

wherein:

the switching member is slidably disposed on the handle;

the switching member is arranged on the first holding position on the handle when the handle is located on the first position, and is arranged on the second holding position on the handle, which is different from the first holding position, when the handle is located on the second position; and

the frame part further includes: a first engagement member that is engaged with the switching member, when the handle is located on the first position, so as to hold the switching member on the first holding position; and a second engagement member that is engaged with the switching member, when the handle is located on the second position, so as to hold the switching member on the second holding position.

17. The stroller according to claim 16, wherein:

the frame part further includes an armrest connected with the front leg and the rear leg; and

the first engagement member and the second engagement member are disposed on the armrest.

18. The stroller according to claim 16 or 17, wherein

the switching member and the frame part are structured such that, when the switching member is engaged with the first engagement member, the swinging movement of the handle from the first position is regulated, and that, when the switching member is engaged with the second engagement member, the swinging movement of the handle from the second position is regulated.

19. The stroller according to any one of claims 16-18, wherein:

the switching member is movable on the handle in a longitudinal direction of the handle; and

a distance between the switching member and a swing center of the handle along the longitudinal direction of the handle differs depending on whether the switching member is located on the first holding position or the switching member is located on the second holding position.

20. The stroller according to any one of claims 1-19, wherein

the handle is inclined forward on the first position, and is inclined rearward on the second position.