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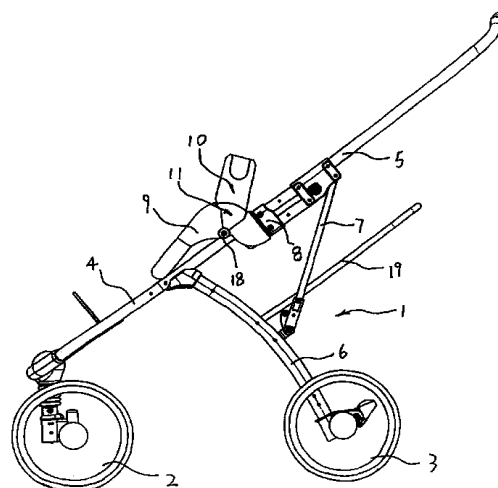
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[54] 实用新型名称

儿童推车

[57] 摘要

一种儿童推车，包括推车车架、分别设置在所述的推车车架前部下方及后部下方的前轮和后轮、前扶手，所述的前扶手的后端部可转动地设置在所述的推车车架上，在所述的推车车架上设置有固定安装部件，所述的固定安装部件上开有用于插入汽车座兜固定装置上的插件的插槽，所述的前扶手具有两个工作位置，第一工作位置是所述的前扶手挡住所的插槽的口部，第二工作位置是所述的前扶手离开所述的插槽的口部。由于当所述的前扶手处于第二工作位置时，汽车座兜固定装置可以插在所述的固定安装部件上，当汽车座兜固定装置从固定安装部件上拆卸后，便可转动所述的前扶手至第一工作位置，不增加儿童推车的体积。



1、一种儿童推车，包括推车车架[1]、分别设置在所述的推车车架[1]前部下方及后部下方的前轮[2]和后轮[3]、前扶手[9]，其特征在于：所述的前扶手[9]的后端部可转动地设置在所述的推车车架[1]上，在所述的推车车架[1]上设置有固定安装部件[11]，所述的固定安装部件[11]上开有用于插入汽车座兜固定装置[10]上的插件[13]的插槽[12]，所述的前扶手[9]具有两个工作位置，第一工作位置是所述的前扶手[9]挡住所述的插槽[12]的口部，第二工作位置是所述的前扶手[9]离开所述的插槽[12]的口部。

2、根据权利要求 1 所述的儿童推车，其特征在于：所述的前扶手[9]的后部为罩壳，当所述的前扶手[9]处于第一工作位置时，所述的固定安装部件[11]收容于所述的罩壳内。

3、根据权利要求 2 所述的儿童推车，其特征在于：在所述的前扶手[9]的端部开有第一定位孔[16]，所述的固定安装部件[11]上设有凸起[14]，当所述的前扶手[9]处于第一工作位置时，所述的凸起[14]插在所述的第一定位孔[16]内。

4、根据权利要求 1 所述的儿童推车，其特征在于：所述的推车车架[1]包括前轮支架[4]、固定在所述的前轮支架[4]上的连接件[8]、与所述的连接件[8]的上端部相转动连接的推把杆[5]、前端部与所述的前轮支架[4]相转动连接的后轮支架[6]、连接杆[7]，所述的连接杆[7]的上端部与所述的推把杆[5]相转动连接，所述的连接杆[7]的下端部与所述的后轮支架相转动连接。

5、根据权利要求 4 所述的儿童推车，其特征在于：所述的固定安装部件[11]设置在所述的连接件[8]上，所述的前扶手[9]与所述的前轮支架[4]通过转动轴[18]相转动连接，所述的转动轴[18]位于所述的连接件[8]的下方。

儿童推车

技术领域

本实用新型涉及一种儿童推车。

背景技术

现有技术中的儿童推车，包括推车车架、分别设置在所述的推车车架下方的前轮以及后轮、前扶手。通常推车车架上需能固定汽车座兜，因此在推车车架上设置有汽车座兜固定装置。现有技术中有些汽车座兜固定装置可折叠地设置在推车车架的两侧，比如汽车座兜固定装置可折叠地设置在推车车架两侧的侧扶手上，当所述的汽车座兜固定装置不需要使用时，所述的汽车座兜固定装置便相对所述的侧扶手折叠，因而使得侧扶手的体积较大。

发明内容

本实用新型目的是提供一种儿童推车，汽车座兜固定装置可拆卸地设置在儿童推车上，不增加儿童推车的体积。

为达到上述目的，本实用新型采用的技术方案是：一种儿童推车，包括推车车架、分别设置在所述的推车车架前部下方及后部下方的前轮和后轮、前扶手，所述的前扶手的后端部可转动地设置在所述的推车车架上，在所述的推车车架上设置有固定安装部件，所述的固定安装部件上开有用于插入汽车座兜固定装置上的插件的插槽，所述的前扶手具有两个工作位置，第一工作位置是所述的前扶手挡住所的插槽的口部，第二工作位置是所述的前扶手离开所述的插槽的口部。

由于上述技术方案运用，本实用新型与现有技术相比具有下列优点：当所述的前扶手处于第二工作位置时，固定安装部件上的插槽露出，汽车座兜固定装置可以插在所述的固定安装部件上，当汽车座兜固定装置从固定安装部件上拆卸后，便可转动前扶手至第一工作位置，不增加儿童推车的体积。

附图说明

附图 1 为汽车座兜固定装置安装在本实用新型上的主视图；

附图 2 为前扶手处于第一工作位置时的示意图；

附图 3 为汽车座兜固定装置安装到本实用新型上的安装过程示意图；

附图 4 为汽车座兜通过汽车座兜固定装置固定在本实用新型上的示意图；

其中：1、推车车架；2、前轮；3、后轮；4、前轮支架；5、推把杆；6、

后轮支架；7、连接杆；8、连接件；9、前扶手；10、汽车座兜固定装置；11、固定安装部件；12、插槽；13、插件；14、凸起；16、第一定位孔；17、第二定位孔；18、转动轴；19、靠背架；20、汽车座兜；

具体实施方式

如各附图所示，一种儿童推车，包括推车车架1、分别设置在所述的推车车架1前部下方及后部下方的前轮2和后轮3、前扶手9，所述的推车车架1包括前轮支架4、固定在所述的前轮支架4上的连接件8、与所述的连接件8的上端部相转动连接的推把杆5、前端部与所述的前轮支架4相转动连接的后轮支架6、连接杆7，所述的连接杆7的上端部与所述的推把杆5相转动连接，所述的连接杆7的下端部与所述的后轮支架相转动连接。

如附图1、附图3所示，所述的前扶手9的后端部可转动地设置在所述的推车车架1上，所述的前扶手9与所述的前轮支架4通过转动轴18相转动连接，所述的转动轴18位于所述的连接件8的下方。在所述的推车车架1上设置有固定安装部件11，所述的固定安装部件11设置在所述的连接件8上。所述的固定安装部件11上开有用于插入汽车座兜固定装置10上的插件13的插槽12，所述的前扶手9具有两个工作位置，第一工作位置是所述的前扶手9挡住所述的插槽12的口部，第二工作位置是所述的前扶手9离开所述的插槽12的口部。

如附图3所示，所述的前扶手9的后部为罩壳，当所述的前扶手9处于第一工作位置时，所述的固定安装部件11收容于所述的罩壳内。

在所述的前扶手9的端部开有第一定位孔16，所述的固定安装部件11上设有凸起14，所述的凸起14弹性地设置在所述的固定安装部件11上。当所述的前扶手9处于第一工作位置时，所述的凸起14插在所述的第一定位孔16内。在所述的汽车座兜固定装置10上开有第二定位孔17、当所述的前扶手9处于第二工作位置时，所述的汽车座兜固定装置10上的插件13便可以插在所述的固定安装部件11上的插槽12中，并且所述的凸起14插在所述的第二定位孔17中。

如附图4所示，当汽车座兜固定装置10安装在本实用新型上后，汽车座兜20安装在汽车座兜固定装置10上从而安装在本实用新型上。

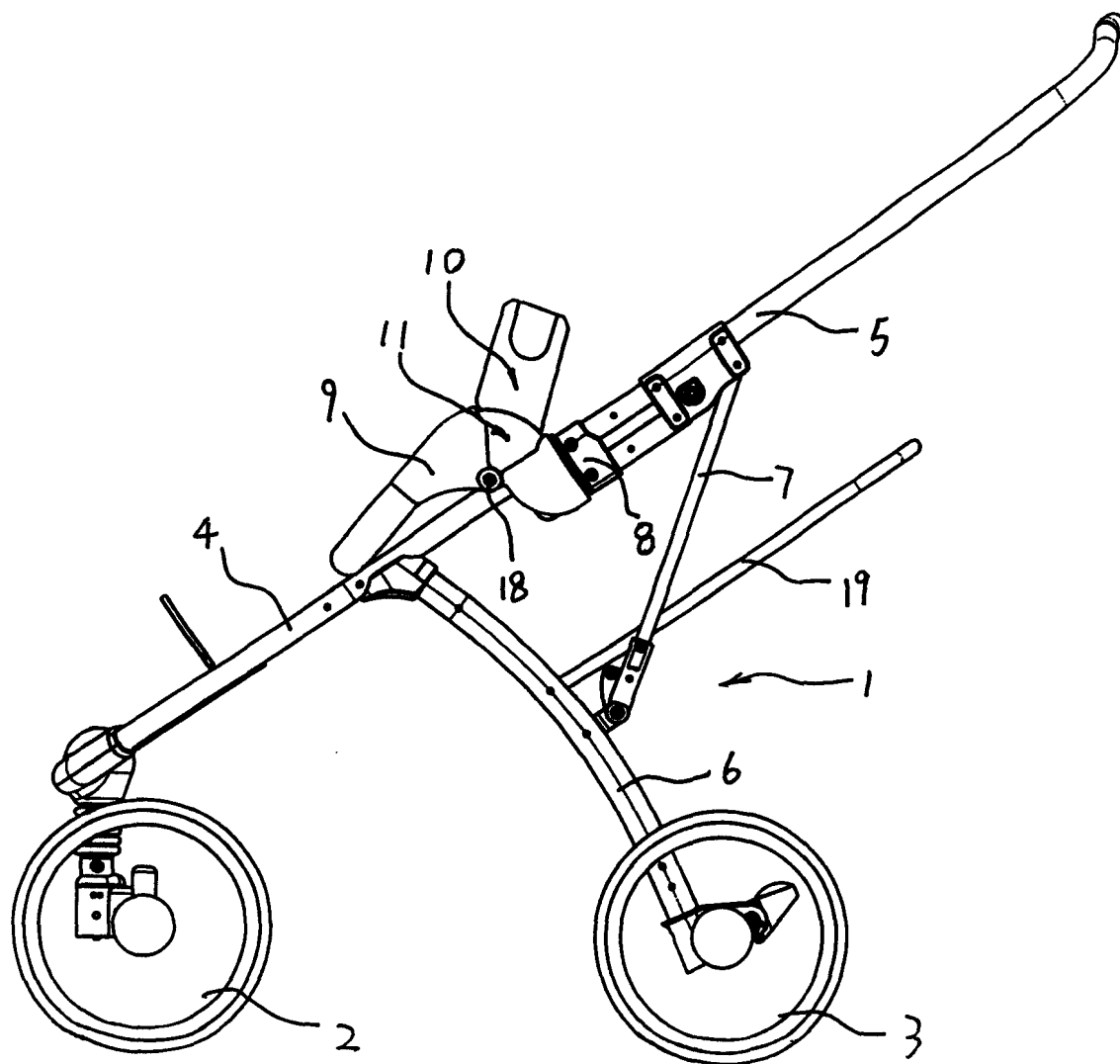


图 1

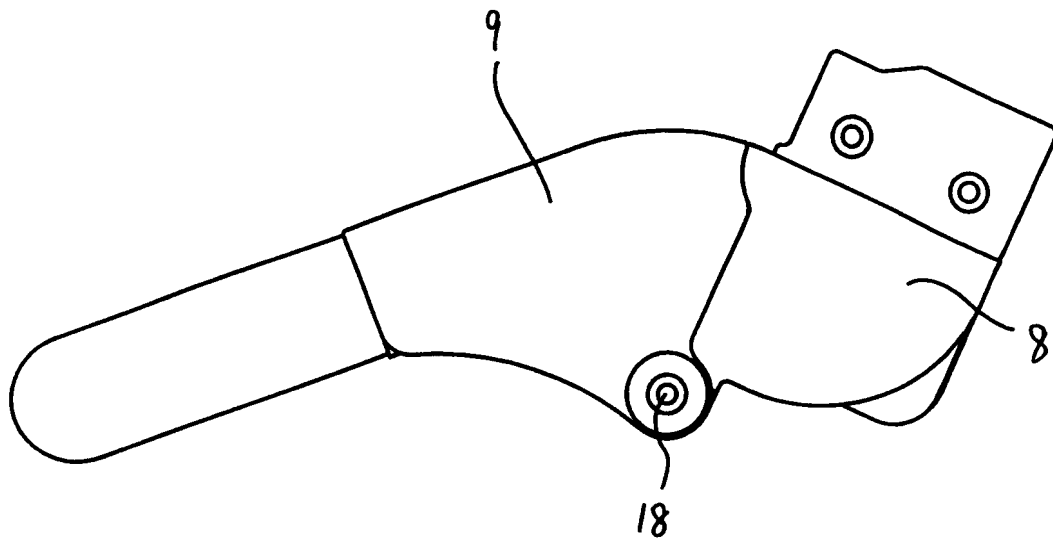
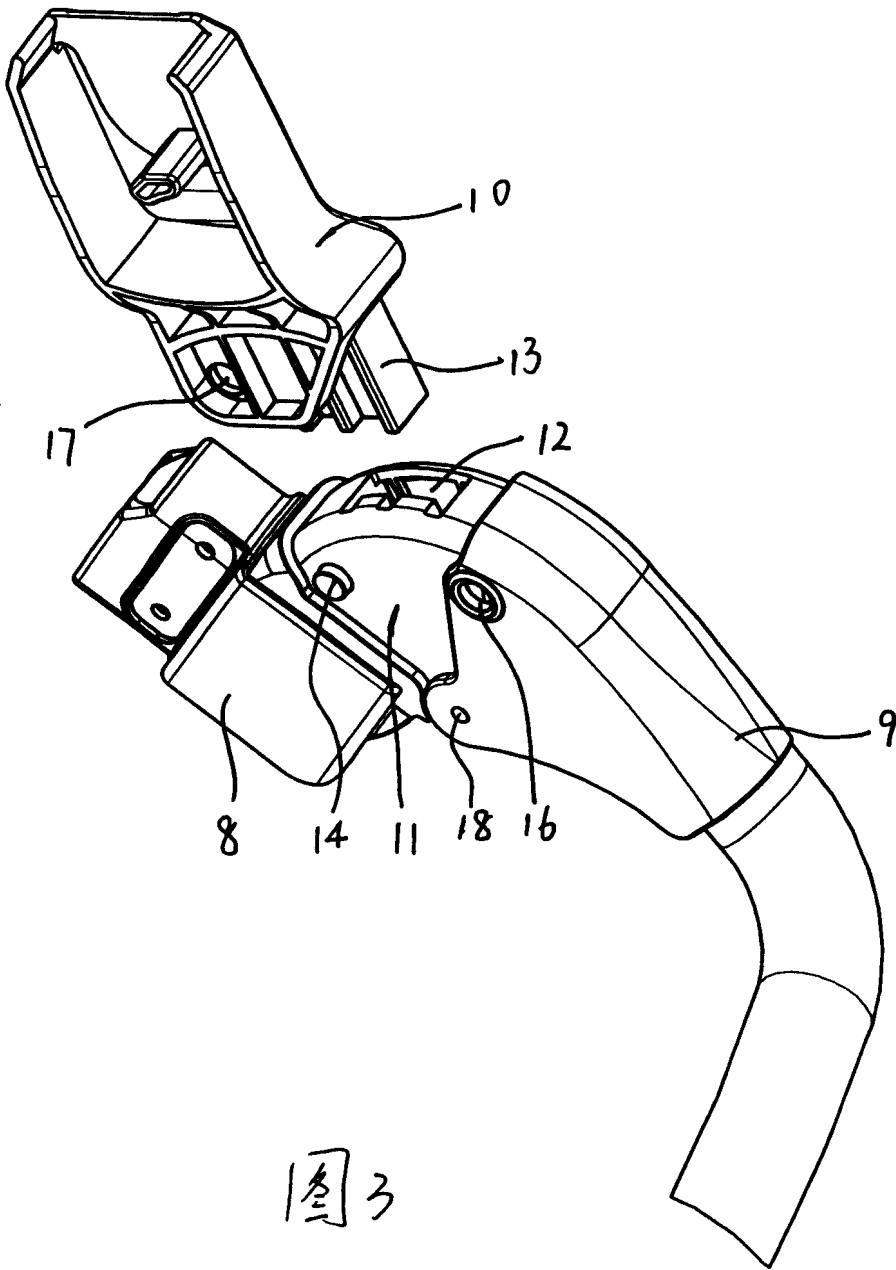


图 2



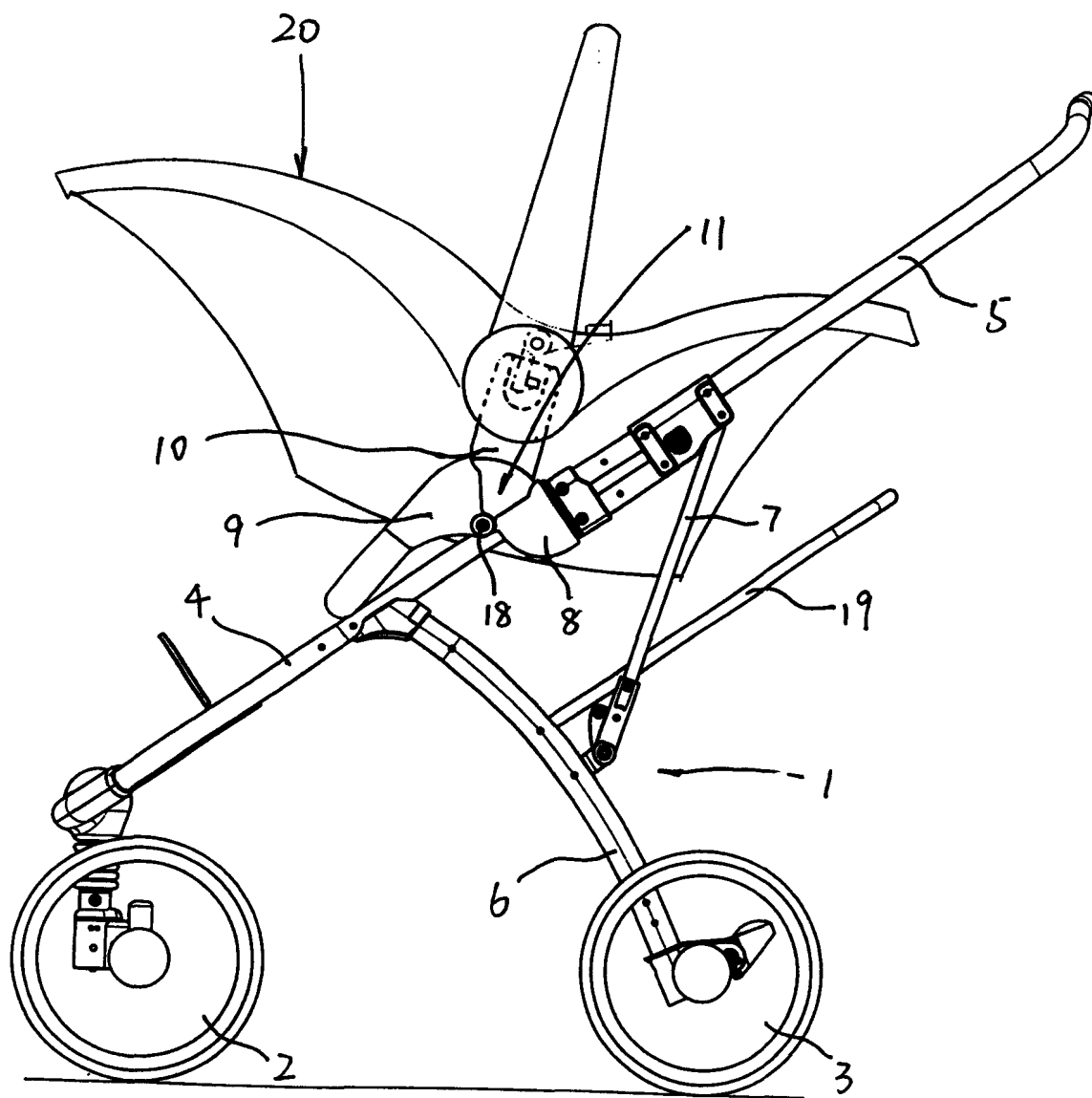


图4

[19] **State Intellectual Property Office of the People's Republic of China**

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B62B 7/14 (2006 .01)



[12] **Utility Model Patent**

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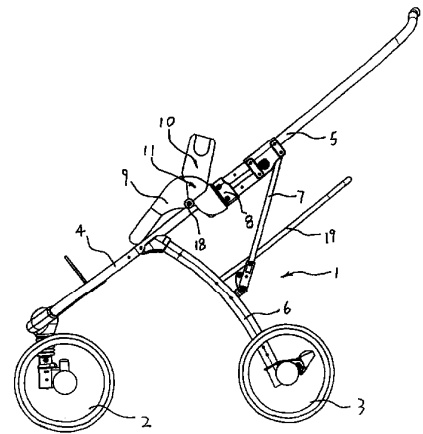
[72] Designer: LIU Feng

[74] Patent Agency: Suzhou Chuangyuan Patent and
Trademark Office Co., Ltd.
Patent Agent: SUN Fang-Wei

[54] **Name of Utility Model: Child Stroller**

[57] **Abstract:**

Disclosed is a child stroller comprising a stroller frame, front wheels and rear wheels disposed below the front portion and below the rear portion of the stroller frame, respectively, and a front handrail, wherein the rear end of the front handrail is rotatably disposed on the stroller frame, the stroller frame is provided with a fixing and mounting component disposed thereon, the fixing and mounting component is provided with an insertion slot for an insertion piece on a bag-like car seat fixture to be inserted, the front handrail is provided with two working positions, of which the first working position is a position at which the front handrail blocks the opening of the insertion slot and the second working position is a position at which the front handrail is away from the opening of the insertion slot. Since the bag-like car seat fixture can be inserted into the fixing and mounting component when the front handrail is at the second working position, the front handrail can be rotated to the first working position when the bag-like car seat fixture is detached from the fixing and mounting component so that the volume of the child stroller is not increased.



Claims

What is claimed is:

1. A child stroller comprising a stroller frame [1], front wheels [2] and rear wheels [3] disposed below the front portion and below the rear portion of the stroller frame [1], respectively, and a front handrail [9], characterized in that: the rear end of the front handrail [9] is rotatably disposed on the stroller frame [1], the stroller frame [1] is provided with a fixing and mounting component [11] disposed thereon, the fixing and mounting component [11] is provided with an insertion slot [12] for an insertion piece [13] on a bag-like car seat fixture [10] to be inserted, the front handrail [9] is provided with two working positions, of which the first working position is a position at which the front handrail [9] blocks the opening of the insertion slot [12] and the second working position is a position at which the front handrail [9] is away from the opening of the insertion slot [12].

2. The child stroller according to claim 1, characterized in that: the rear portion of the front handrail [9] is a casing, and when the front handrail [9] is at the first working position, the fixing and mounting component [11] is concealed within the casing.

3. The child stroller according to claim 2, characterized in that: the end portion of the front handrail [9] is provided with a first positioning hole [16], the fixing and mounting component [11] is provided with a protrusion [14] disposed thereon, and when the front handrail [9] is at the first working position, the protrusion [14] is inserted into the first positioning hole [16].

4. The child stroller according to claim 1, characterized in that the stroller frame [1] comprises: a front wheel bracket [4], a connector piece [8] fixed on the front wheel bracket [4], a push control rod [5] in rotational connection with the upper end of the connector piece [8], a rear wheel bracket [6] whose front end is in rotational connection with the front wheel bracket [4], a connecting rod [7], the upper end of the connecting rod [7] being in rotational connection with the push control rod [5], the lower end of the connecting rod [7] being in rotational connection with the rear wheel bracket [6].

5. The child stroller according to claim 4, characterized in that: the fixing and mounting component [11] is disposed on the connector piece [8], the front handrail [9] is in rotational connection with the front wheel bracket [4] by means of a rotary shaft [18], the rotary shaft [18] being located below the connector piece [8].

Description

Child Stroller

TECHNICAL FIELD

The present utility model relates to a child stroller.

BACKGROUND

Prior art child stroller comprises a stroller frame, front wheels and rear wheels disposed below the stroller frame, respectively, and a front handrail. Usually, the stroller frame is to enable a bag-like car seat to be fixed thereon, therefore a bag-like car seat fixture is disposed on the stroller frame. Some prior art bag-like car seat fixtures are collapsibly disposed on both sides of the stroller frame. For example, the bag-like car seat fixtures are collapsibly disposed on the side handrails on both sides of the stroller frame. When the bag-like car seat fixtures are not in use, they are folded relative to the side handrails, thus causing the side handrails to be bulky.

SUMMARY OF THE UTILITY MODEL

The present utility model aims to provide a child stroller whose bag-like car seat fixture is detachably disposed on the child stroller so that the volume of the child stroller is not increased.

To this end, the technical solution adopted by the present utility model is: a child stroller comprising a stroller frame, front wheels and rear wheels disposed below the front portion and below the rear portion of the stroller frame, respectively, and a front handrail, wherein the rear end of the front handrail is rotatably disposed on the stroller frame, the stroller frame is provided with a fixing and mounting component disposed thereon, the fixing and mounting component is provided with an insertion slot for an insertion piece on a bag-like car seat fixture to be inserted, the front handrail is provided with two working positions, of which the first working position is a position at

which the front handrail blocks the opening of the insertion slot and the second working position is a position at which the front handrail is away from the opening of the insertion slot.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a main view illustrating a bag-like car seat fixture mounted on the present utility model.

Figure 2 is a schematic view illustrating a front handrail at a first working position.

Figure 3 is a schematic view illustrating the process of mounting the bag-like car seat fixture on the present utility model.

Figure 4 is a schematic view illustrating a bag-like car seat being mounted on the present utility model by means of the bag-like car seat fixture.

In the figures, 1 denotes stroller frame, 2 denotes front wheel, 3 denotes rear wheel, 4 denotes front wheel bracket, 5 denotes push control rod, 6 denotes rear wheel bracket, 7 denotes connecting rod, 8 denotes connector piece, 9 denotes front handrail, 10 denotes bag-like car seat fixture, 11 denotes fixing and mounting component, 12 denotes insertion slot, 13 denotes insertion piece, 14 denotes protrusion, 16 denotes first positioning hole, 17 denotes second positioning hole, 18 denotes rotary shaft, 19 denotes backrest frame, 20 denotes bag-like car seat.

DETAILED DESCRIPTION

Shown in the figures is a child stroller comprising a stroller frame 1, front wheels 2 and rear wheels 3 disposed below the front portion and below the rear portion of the stroller frame 1, respectively, and a front handrail 9, wherein the stroller frame 1 comprises: a front wheel bracket 4, a connector piece 8 fixed on the front wheel bracket 4, a push control rod 5 in rotational connection with the upper end of the connector piece 8, a rear wheel bracket 6 whose front end is in rotational connection with the front wheel bracket 4, a connecting rod 7, the upper end of the connecting rod 7 being in rotational connection with the push control rod 5, the lower end of the connecting rod 7 being in rotational connection with the rear wheel bracket 6.

As shown in Figure 1 and Figure 3, the rear end of the front handrail 9 is rotatably disposed on the stroller frame 1, the front handrail 9 is in rotational connection with the front wheel bracket 4 by means of a rotary shaft 18, the rotary shaft 18 being located below the connector piece 8. The stroller frame 1 is provided with a fixing and mounting component 11 disposed thereon, the fixing and mounting component 11 is disposed on the connector piece 8. The fixing and mounting component 11 is provided with an insertion slot 12 for an insertion piece 13 on a bag-like car seat fixture 10 to be inserted. The front handrail 9 is provided with two working positions, of which the first working position is a position at which the front handrail 9 blocks the opening of the insertion slot 12 and the second working position is a position at which the front handrail 9 is away from the opening of the insertion slot 12.

As shown in Figure 3, the rear portion of the front handrail 9 is a casing, and when the front handrail 9 is at the first working position, the fixing and mounting component 11 is concealed within the casing.

The end portion of the front handrail 9 is provided with a first positioning hole 16, the fixing and mounting component 11 is provided with a protrusion 14 disposed thereon. When the front handrail 9 is at the first working position, the protrusion 14 is inserted into the first positioning hole 16. The bag-like car seat fixture 10 is provided with a second positioning hole 17 disposed thereon, when the front handrail 9 is at the second working position, the insertion piece 13 on the bag-like car seat fixture 10 can be inserted into the insertion slot 12 on the fixing and mounting component 11 and the protrusion 14 inserted into the second positioning hole 17.

As shown in Figure 4, when bag-like car seat fixture 10 is mounted on the present utility model, the bag-like car seat 20 can be mounted on the bag-like car seat fixture 10 and thus mounted on the present utility model.

Drawings

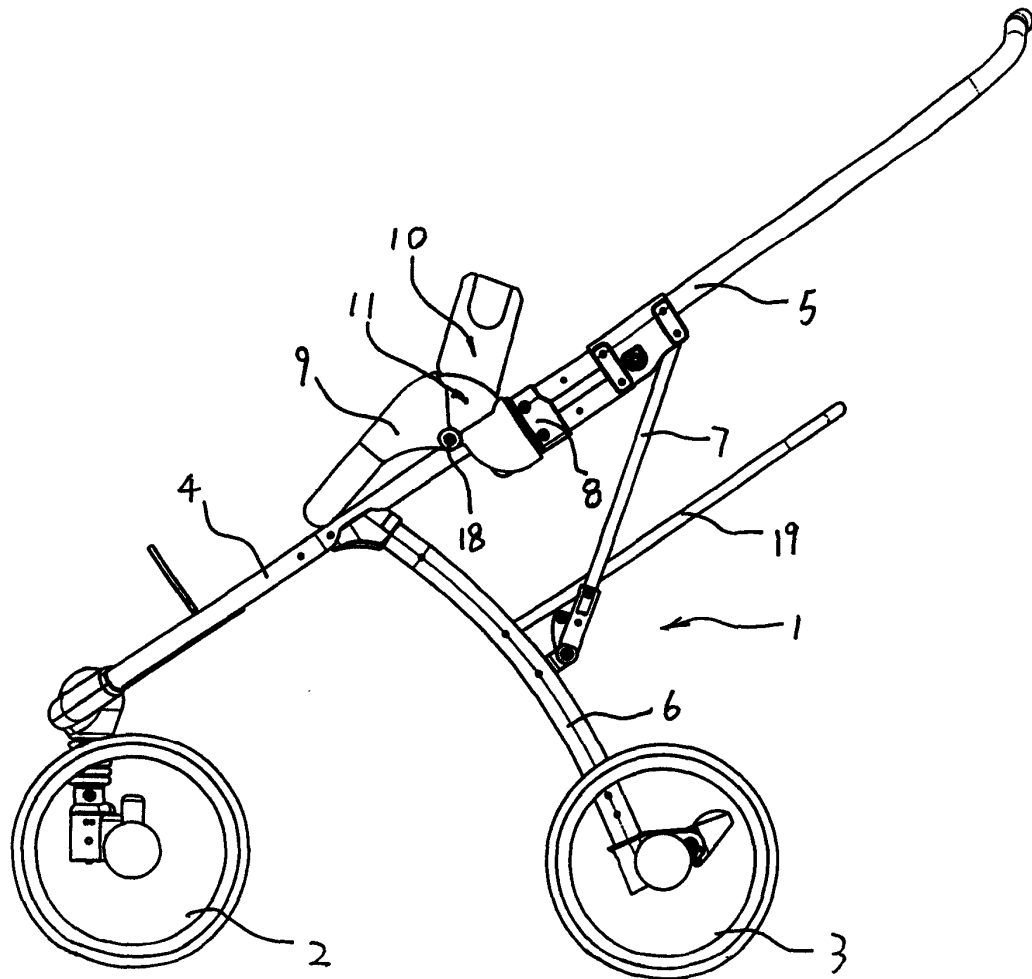


Figure 1

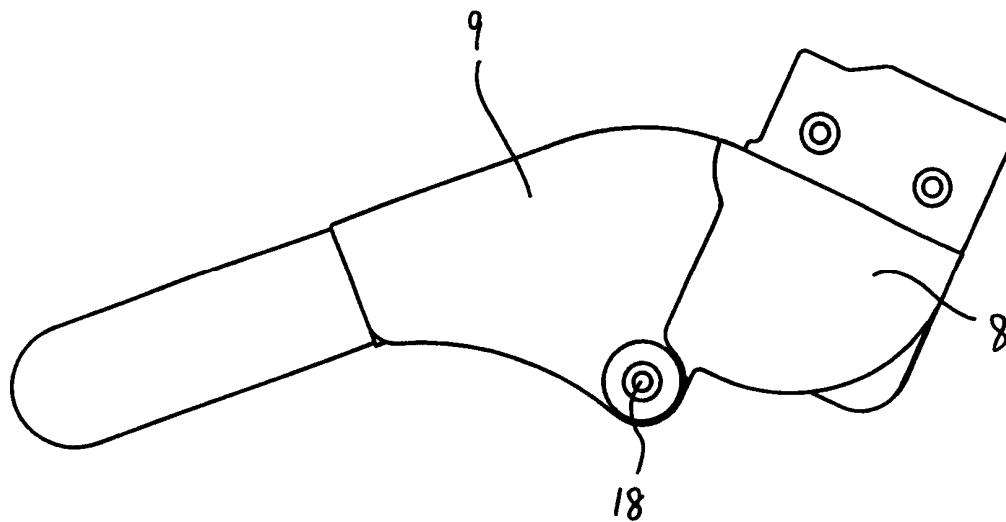


Figure 2

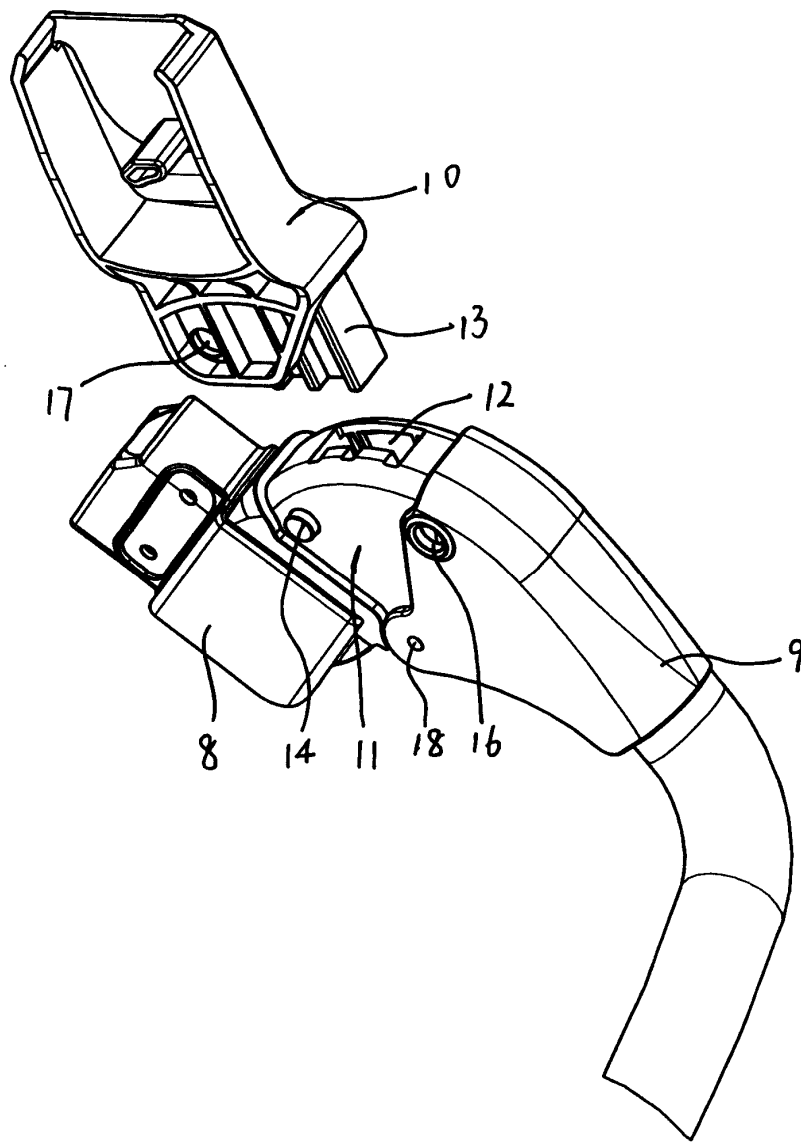


Figure 3

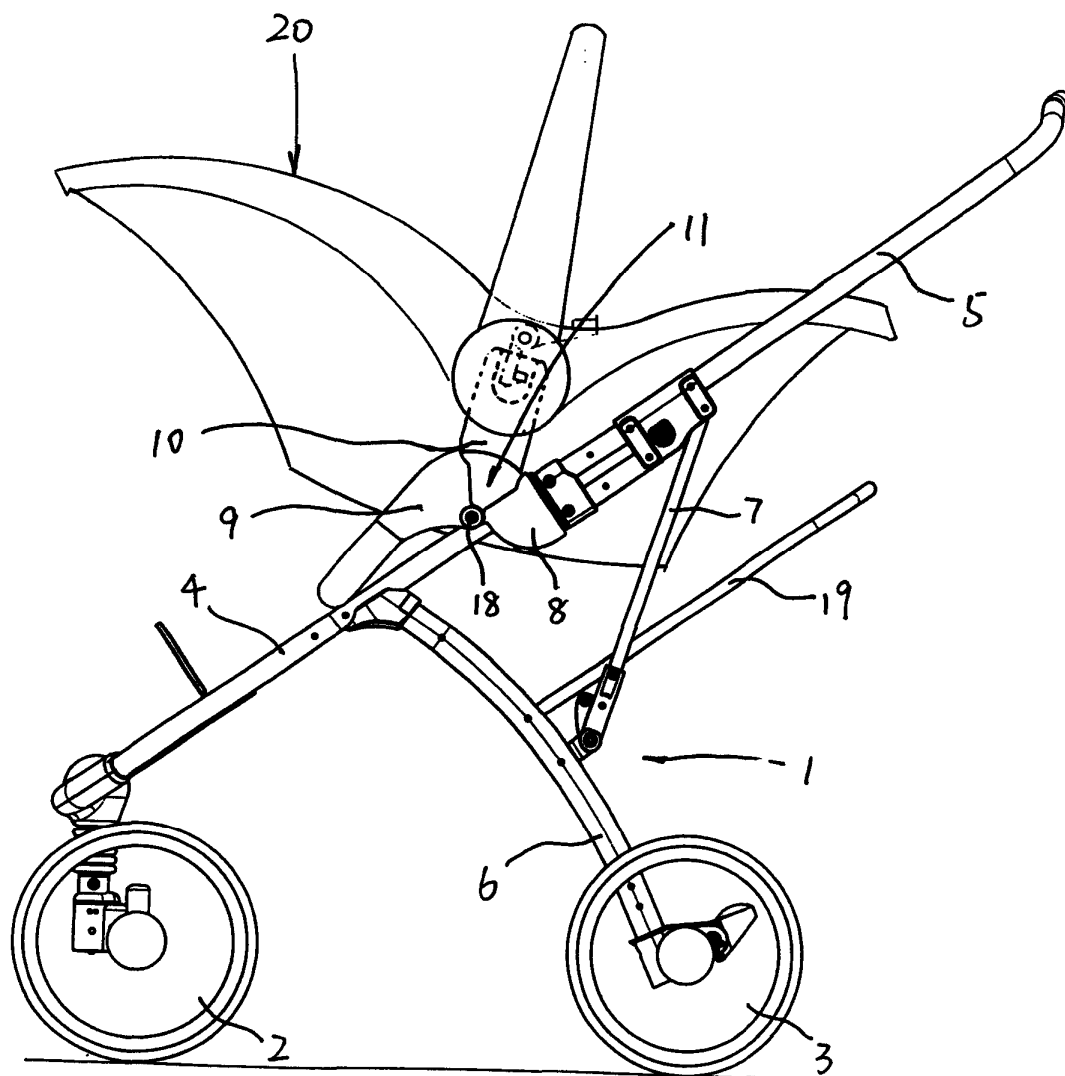


Figure 4



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Certification

This is to certify that the foregoing translation of the patent document CN2778636Y (1) was made from Chinese to English from the document by a competent translator well acquainted with both languages, and that, to the best of our knowledge and belief, it is a true and complete rendering into English of the selected text.

Date: October 4, 2024

Donald W. Hanley, CEO