A kind of luggage which can be opened both on the long side and on the short side

Field of Technology

The utility model belongs to the technical field of luggage, and particularly relates to a kind of luggage which can be opened on both the long side and the short side.

Background Technology

Existing travel luggage and backpacks since its inception has been only one direction of opening, either the case width of the left and right way to open, or the case height of the up and down way to open. However, in some usage scenarios, different opening directions are required, i.e., some need to open in the length direction and some need to open in the height direction. For example, some hotel rooms are so cramped that it is impossible to fit a suitcase up or down in the height direction, and for example, if the same luggage doesn't fit on the table by opening it from side to side along the width, it can be opened along the height without taking up any space. Therefore, the development of a product that opens up and down in the height direction and opens left and right in the width direction has been a challenge for the technicians in this field.

Utility Model Content

The purpose of the utility model is to provide a kind of luggage that can be opened on both the long side and the short side, and to solve the technical problem that the opening direction of the luggage in the above mentioned prior art is single, and cannot be adapted to all the use scenarios.

The technical solution adopted by the utility model to solve its technical problems is:

There is a kind of luggage which can be opened both on the long side and on the short side, with characteristics including the said upper case and the lower case are fastened, the long sides of the fastening surfaces of the said upper case and the said lower case have a long-side joint part, a first zipper is provided between the upper case and the lower case on the outer side of the said long-side joint part, the said first zipper has a first pull lock, a middle connecting part is provided between the said first zipper and the said lower case, a second zipper is provided between the said middle connecting part and the said lower case , the said second zipper is located on the short-side of the lower case corresponding to the interrupt part, the said interrupt part is provided with the short-side joint part, the said short-side joint part is connected to the middle connecting part on the one side and connected to the lower case on the another side, the said second zipper is provided with a second pull lock.

For the utility model of a luggage which can be opened both on the long side and on the short side, the said first pull lock is provided with a pull ring, the said second pull lock is provided with a pull tongue, and the said pull tongue can pass through the pull ring and press a part of the pull ring when the positions of the said first pull lock and the said second pull lock correspond.

For the utility model of a luggage which can be opened both on the long side and on the short side,

the number of the said first pull lock and the second pull lock is two.

For the utility model of a luggage which can be opened both on the long side and on the short side, the said lower case has a lock on one side, and the said lock can lock or separate the pull tongue.

For the utility model of a luggage which can be opened both on the long side and on the short side, the said upper case and one side of the lower case are provided with rollers.

For the utility model of a luggage which can be opened both on the long side and on the short side, the lengths of the said long-side joint part and the short-side joint part are 2/1-3/4 of the length of the side of the lower case in which they are located.

The utility model has the following beneficial effects: A luggage which can be opened both on the long side and on the short side, by providing two rows of first zipper and second zipper between the upper case and the lower case, so that there are two openings between the upper case and the lower case, and the middle of the first zipper and the second zipper are respectively provided with a long-side joint part and a short-side joint part, and the long-side joint part and the short-side joint part are arranged on the different side lengths of the lower case, so that different opening directions can be realized by controlling the matching between the zipper and the joint parts; at the same time, the matching of pull ring and pull tongue is set on the pull lock corresponding to the position, the pull ring is pressed by the pull tongue, and the pull tongue is locked by locking head, so as to achieve the effect of only one lock head for two rows of zippers.

Brief Description of Drawings

The utility model will be further described below in conjunction with the accompanying pictures and embodiments, in the accompanying pictures:

Figure 1 is a schematic diagram of a short-side joint part of the embodiment of the utility model;

Figure 2 is a schematic diagram of a long-side joint part of the embodiment of the utility model;

Figure 3 is a schematic diagram of the lock head position of the embodiment of the utility model;

Figure 4 is a schematic diagram of the opening state of the embodiment of the utility model;

Figure 5 is a schematic diagram of the roller of the embodiment of the utility model.

Specific Implementation Mode

In order to make the purpose, technical solutions and advantages of the embodiments of the utility model clearer, the technical solutions in the embodiments of the utility model will be described clearly and completely in the following in conjunction with the accompanying pictures in the embodiments of the utility model, and it is clear that the described embodiments are part of the embodiments of the utility model and not all of the embodiments. It shall be understood that the specific embodiments described herein are for the sole purpose of explaining the utility model and are not intended to limit the utility model. Based on the embodiments of the utility model, all other embodiments obtained by the person of ordinary skill in the field without making creative labor are within the scope of protection

of the utility model.

As shown in the figure 1-5, there is a kind of luggage which can be opened both on the long side and on the short side, including the said upper case 1 and the lower case 2, the said upper case 1 and the lower case 2 are fastened, the long sides of the fastening surfaces of the said upper case 1 and the said lower case 2 have a long-side joint part 11, a first zipper 3 is provided between the upper case 1 and the lower case 2 on the outer side of the said long-side joint part (11), the said first zipper 3 has a first pull lock 6, a middle connecting part 5 is provided between the said first zipper 3 and the said lower case 2, a second zipper 4 is provided between the said middle connecting part 5 and the said lower case 2, the said second zipper 4 is located on the short-side of the lower case 2 corresponding to the interrupt part, the said interrupt part is provided with the short-side joint part 10, the said short-side joint 10 part is connected to the middle connecting part 5 on the one side and connected to the lower case 2 on the another side, the said second zipper 4 is provided with a second pull lock 8.

It is to be noted that the middle connecting part 5 can be provided separately, and its material shall be hard, which can be the same as the material of the upper case 1 and the lower case 2, or it can be directly connected by using the mounting portions of the first zipper 3 and the second zipper 4, and locally reinforced to form a joint part.

In the preferred embodiment of the utility model, the said first pull lock 6 is provided with a pull ring 7, the said second pull lock 8 is provided with a pull tongue 9, the said pull tongue 9 can pass through the pull ring 7 and press a part of the pull ring 7 when the positions of the said first pull lock 6 and the said second pull lock 8 correspond. It shall be noted that, the size of the pull ring 7 therein is sufficient to facilitate the passage of the pull tongue 9, and shall not be too large, so as to have a large gap after locking, so as to be able to be pulled away from each other by a certain distance, so as to make the internal items lost.

In the preferred embodiment of the utility model, the number of the said first pull lock 6 and the second pull lock 8 is two, so that the two first pull lock 6 and the second pull lock 8 can be pulled apart and locked together, which is convenient for the user to use.

In the preferred embodiment of the utility model, the lower case 2 has a lock 12 on one side, the said lock 12 can lock or separate the pull tongue 9, and the lock can be a conventional padlock, or a coded lock, as long as it can be pulled into the tongue 9 for locking.

In the preferred embodiment of the utility model, the said upper case 1 and the lower case 2 are provided with rollers on one side, it shall be noted that, the rollers can be on any side, but the preferred solution is that the rollers are opposite to the pulling direction of the pulling rod, and at the same time, a backpack can also be provided on the side of the upper case 1 or the lower case 2, so as to facilitate the use of backpacking in the scenario in which it is not appropriate to pull.

In the preferred embodiment of the utility model, the lengths of said long-side joint part 11 and short-side joint part 10 are 2/1-3/4 of the length of the side of the lower case 2 in which they are located, such a setup that does not affect the opening and closing and at the same time has a certain degree of stability of the opening and closing, and at the same time, generally speaking, the said long-side joint part 11 and the said short-side joint part 10 are set up in the center of the mounting position thereof.

In the description of the utility model, it shall be noted that, the terms "center", "lengthways", "lateral", "top", "bottom", "front", "back", "left", "right", "vertical", "horizontal", "top", "bottom", "inside", "outside", etc. indicate an orientation or positional relationship based only on the orientation or positional relationship shown in the accompanying pictures, and are only intended to facilitate the description of the present utility model and to simplify the description, and are not intended to indicate or imply that the device or element referred must have a specific orientation, be constructed and operated with a specific orientation. Therefore, it is not to be construed as a limitation of the utility model. Furthermore, the terms "first" and "second" are used for descriptive purposes only and shall not be understood as indicating or implying relative importance.

In the description of the utility model, it shall be noted that, unless otherwise expressly specified and limited, the terms "mounting", "linking", "connecting" shall be understood in a broad sense, e.g. as a fixed connection, a detachable connection, or a one-piece connection, a mechanical connection, an electrical connection, a direct connection, an indirect connection through an intermediate medium, a connection within two components. To a person of ordinary skill in the field, the specific meaning of the above terms in the present utility model may be understood in specific cases. Furthermore, in the description of the utility model, unless otherwise indicated, "multiple" means two or more.

It is to be understood that one of ordinary skill in the field may make improvements or transformations in accordance with the above description, and all such improvements and transformations shall fall within the scope of protection of the appended claims of the utility model.

Claims

1. There is a kind of luggage which can be opened both on the long side and on the short side, with characteristics including: the upper case (1) and the lower case (2), the said upper case (1) and the lower case (2) are fastened, the long sides of the fastening surfaces of the said upper case (1) and the said lower case (2) have a long-side joint part (11), a first zipper (3) is provided between the upper case (1) and the lower case (2) on the outer side of the said long-side joint part (11), the said first zipper (3) has a first pull lock (6), a middle connecting part (5) is provided between the said first zipper (3) and the said lower case (2), a second zipper (4) is provided between the said middle connecting part (5) and the said lower case (2), the said second zipper (4) is located on the short-side of the lower case (2) corresponding to the interrupt part, the said interrupt part is provided with the short-side joint part (10), the said short-side joint (10) part is connected to the middle connecting part (5) on the one side and the said short-side joint(10) part is connected to the lower case (2) on the another side, the said second zipper (4) is provided with a second pull lock (8).

2. According to Claim 1, there is a kind of luggage which can be opened both on the long side and on the short side, characterized in that the said first lock (6) is provided with a pull ring (7), the said second lock (8) is provided with a pull tongue (9), and the said pull tongue (9) can be passed through the pull lock (7) when the said first lock (6) and the said second lock (8) correspond to each other in position and press both pull lock (7).

3. According to Claim 2, there is a kind of luggage which can be opened both on the long side and on the short side, characterized in that the number of said first lock (6) and second lock (8) is two.

4. According to Claim 3, there is a kind of luggage which can be opened both on the long side and on the short side, characterized in that the said lower case (2) has a lock (12) on one side, and the said lock (12) can lock or detach the tongue (9).

5. According to Claim 4, there is a kind of luggage which can be opened both on the long side and on the short side, characterized in that said upper case (1) and lower case (2) are provided with rollers on one side.

6. According to Claim 5, there is a kind of luggage which can be opened both on the long side and on the short side, characterized in that the lengths of said long-side joint part (11) and short-side joint part (10) are 2/1-3/4 of the length of the side of the lower case (2) in which they are located.