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(54) **CARRIER**

TRAGETASCHE

ARTICLE DE TRANSPORT

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Description

[0001] This invention relates to carriers, and in particular to carriers to be worn on the back of a person. Such carriers are often known as backpacks.

[0002] Backpacks generally consist of a bag and straps that are intended to pass from the top of the bag, over the shoulders of the wearer and under their arms to the lower part of the bag. The bags are of a flexible textile material, and are usually provided with a drawstring closure and covering flap to inhibit the ingress of rain to the bag. Such backpacks may also be provided with pockets or compartments for specific items to be carried, such as maps, or with straps for attaching articles to the outside of the bag. Motorcyclists often carry personal requirements for a journey in such backpacks. They also often carry a spare helmet, or their own helmet when not in use, in a bag specifically designed as a helmet carrier. Such a helmet carrier usually takes the form of a bag with a drawstring closure and a carrying handle. However, walking around with both a backpack and a helmet carrier, or riding with a backpack and a spare helmet, is at least inconvenient and, in the latter case, at worst dangerous. If the backpack has external straps, it may be possible to strap the helmet to the backpack so that the backpack and helmet can be carried as one. However, this does not prevent damage to the helmet if the backpack and helmet are put down, possibly propped against a wall or some other object, and the assembly falls over. Consequently, known backpacks and helmet carriers do not need the needs of motorcyclists when riding with a spare helmet or when not on the motor bicycle. US 5826771 discloses a backpack having a main compartment and a lower compartment, the lower compartment being of various sizes to accommodate unspecified articles. Whilst the upright backpack may be stable standing on a flat surface when a rigid flat bottomed article is contained in the lower compartment, the flexibilty of the lower compartment will militate such stability when the lower compartment is empty.

[0003] It is an object of the present invention to provide a carrier that overcomes the abovementioned disadvantages of the known carriers.

[0004] The invention provides a carrier comprising a bag having at least one shoulder strap extending from the top of the bag to the lower part thereof and intended to pass over a shoulder and under the arm of the wearer, the bag having a main compartment and a lower compartment disposed beneath the main compartment, the lower compartment being adapted to receive a motor cycle helmet therein, wherein the carrier also has a securing panel adapted to pass under the lower compartment.

[0005] The bag may be of a flexible textile material. Preferably the carrier has an access opening to the lower compartment separate from that providing access to the main compartment. The access opening to the main compartment may be provided with a main sliding fastener. The bag may have a flap adapted to cover the main sliding fastener. The access opening to the lower compartment may be provided with a drawstring. The securing panel may comprise a base portion and a securing strap portion. The base portion may be secured to the base of the main compartment at the rear thereof, and there may be a connecting device at the free end of the securing strap portion adapted to be releasably connected to the base of the main compartment at the front thereof. The releasable connection may comprise a securing buckle. The base portion and the base of the main compartment may have a sliding fastener around the peripheries thereof adapted to secure the base portion in underlying relationship with the base of the main compartment, with the lower compartment and the securing strap portion contained therebetween, when no helmet is contained in the lower compartment.

[0006] The carrier may have two shoulder straps extending from the top of the bag to the lower part thereof and intended to pass over the shoulders and under the arms of the wearer. The straps may be adjustable in length. The carrier may have a waist strap adapted to pass around the waist of the wearer. The waist strap may comprise two waist strap parts, each having one end thereof secured to the bag and having one of a pair of co-operating buckle parts at the free end thereof. At least one part of the waist strap may be adjustable in length. The carrier may also have a chest strap adapted to pass around the chest of the wearer. The chest strap may comprise two chest strap parts, each having one end thereof secured to a respective shoulder strap and having one of a pair of co-operating buckle parts at the free end thereof. At least one part of the chest strap may be adjustable in length. The carrier may also have a carrying handle secured to the top of the bag.

[0007] The carrier may have at least one pocket secured to the bag, and may have a front pocket and a pair of side pockets. Each pocket may be provided with a sliding fastener. Each pocket may have a flap adapted to cover the sliding fastener.

[0008] The invention also provides in combination, a carrier and a motor cycle helmet, the carrier comprising a bag having at least one shoulder strap extending from the top of the bag to the lower part thereof and intended to pass over a shoulder and under the arm of the wearer, the bag having a main compartment and a lower compartment disposed beneath the main compartment, the lower compartment being adapted to receive a motor cycle helmet therein, wherein the carrier also has a securing panel adapted to pass under the lower compartment.

[0009] The invention will now be described with reference to the accompanying drawings in which

Fig. 1 is a perspective view of a carrier with a helmet within the lower compartment, and

Fig. 2 is a perspective view of the carrier of Fig. 1

with the helmet removed.

[0010] Referring now to Fig. 1, there is shown a carrier 10 of the backpack type. The carrier 10 has a bag 11 with shoulder straps 12 intended to pass over the shoulders and under the arms of the wearer in conventional backpack manner. To prevent the shoulder straps 12 from slipping off the wearer's shoulders, a chest strap 13 is connected across the shoulder straps 12. The shoulder straps 12 and chest strap 13 are adjustable for length, and the chest strap 13 is formed in two parts that may be connected by a buckle 14. A carrying handle 15 spans the shoulder straps 12 adjacent the top of the bag 11. The bag 11 is also provided with a waist strap 16 formed in two parts that may be connected by a buckle 17. The waist strap 16 is also adjustable for length. A front pocket 18 and two side pockets 19 are provided on the bag 11. Sliding fasteners 20 close the pockets 18, 19 or allow access into them, and flaps 21 cover the sliding fasteners 20 to inhibit the ingress of rain water to the pockets 18, 19.

[0011] The bag 11 has a main compartment 22 with an access opening closed by a sliding fastener 23. A flap 24 covers the sliding fastener 23 to inhibit the ingress of rainwater to the main compartment 22. Beneath the main compartment 22 is a lower compartment 25, which is of a size just to receive a motorcycle helmet 26 (shown in dashed lines). Access to the lower compartment 25 is from below the carrier 10, and the lower compartment 25 is closed by a drawstring 27. The carrier 10 also has a securing panel 28, which passes under the lower compartment 25. The securing panel 28 is formed of a base portion 29 and a securing strap portion 30. The base portion 29 is secured to the base of the main compartment 22 at the its rear, and a securing buckle 31 is provided at the free end of the securing strap portion 30 to be releasably connected to the base of the main compartment 22 at the front thereof. The securing panel 28 ensures that the helmet 26 is carried by the carrier in a safe and secure manner.

[0012] With the helmet 26 contained in the lower compartment 25 in an upright disposition as shown in Fig. 1, the rigidity of the helmet 26 provides that the carrier 10 can be placed on the ground or other substantially level surface in a stable manner. Hence the risk of damage to the helmet 26, bag 11 or its contents due to the carrier falling or being knocked over is minimised. When the helmet 26 is not in use, it is conveniently carried as one with the bag 11, either by hand using the carrying handle 15 or on the back of the motor cyclist using the shoulder straps 12.

[0013] When the helmet 26 is in use, or no helmet 26 other than one being worn by the motor cyclist is being carried, the lower compartment 25 may be compressed and stored at the base of the main compartment 22, as shown in Fig. 2. To facilitate this, the flexible textile material of the lower compartment 25 is compressed and the securing strap portion 30 is folded with the compressed lower compartment 25. A sliding fastener 32 is provided to extend around the peripheries of the base portion 29 and the base of the main compartment 22 to secure the base portion 29 in underlying relationship with main compartment 22, with the compressed lower compartment 25 and the folded securing strap portion 30 contained therebetween. By means of the invention, a motor cycle helmet 26 may be conveniently carried whether the motor cyclist is on foot or riding a motor cycle. The helmet 26 may be placed in the carrier 10 or removed therefrom without disturbing the contents of the main compartment 22. When riding, the helmet 26 is carried in a safe and aerodynamically efficient manner.

Claims

1. A carrier (10) comprising a bag (11) having at least one shoulder strap (12) extending from the top of the bag (11) to the lower part thereof and intended to pass over a shoulder and under the arm of the wearer, the bag (11) having a main compartment (22) and a lower compartment (25) disposed beneath the main compartment (22), the lower compartment (25) being adapted to receive a motor cycle helmet (26) therein, **characterised in that** the carrier (10) also has a securing panel (28) adapted to pass under the lower compartment (25).

2. A carrier according to claim 1, **characterised in that** the carrier (10) has an access opening to the lower compartment (25) separate from that providing access to the main compartment (11).

3. A carrier according to claim 2, **characterised in that** the access opening to the main compartment (22) is provided with a main sliding fastener (23).

4. A carrier according to claim 2 or claim 3, **characterised in that** the access opening to the lower compartment (25) is provided with a drawstring (27).

5. A carrier according to any one of claims 1 to 4, **characterised in that** the securing panel (28) comprises a base portion (29) and a securing strap portion (30).

6. A carrier according to claim 5, **characterised in that** there is a connecting device (31) at the free end of the securing strap portion (30) adapted to be releasably connected to the base of the main compartment (22) at the front thereof.

7. A carrier according to claim 5 or claim 6, **characterised in that** the base portion (29) and the base of the main compartment (22) have a sliding fasten-

er (32) around the peripheries thereof adapted to secure the base portion (29) in underlying relationship with the base of the main compartment (22), with the lower compartment (25) and the securing strap portion (30) contained therebetween, when no helmet (26) is contained in the lower compartment (25).

8. A carrier according to any one of claims 1 to 7, **characterised by** having two shoulder straps (12) extending from the top of the bag (11) to the lower part thereof and intended to pass over the shoulders and under the arms of the wearer.

9. A carrier according to claim 8, **characterised in that** the carrier (10) has a waist strap (16) adapted to pass around the waist of the wearer.

10. A carrier according to claim 8 or claim 9, **characterised in that** the carrier (10) has a chest strap (13) adapted to pass around the chest of the wearer.

11. A carrier according to any one of claims 1 to 10, **characterised in that** the carrier (10) has a carrying handle (15) secured to the top of the bag (11).

12. A carrier according to any one of claims 1 to 11, **characterised in that** the carrier (10) has at least one pocket (18, 19) secured to the bag (11).

13. In combination, a carrier (10) and a motor cycle helmet (26), the carrier (10) comprising a bag (11) having at least one shoulder strap (12) extending from the top of the bag (11) to the lower part thereof and intended to pass over a shoulder and under the arm of the wearer, the bag (11) having a main compartment (22) and a lower compartment (25) disposed beneath the main compartment (22), the lower compartment (25) in which the motor cycle helmet (26) is received, **characterised in that** the carrier (10) also has a securing panel (28) adapted to pass under the lower compartment (25).

Patentansprüche

1. Tragvorrichtung (10) mit einem Sack (11) und wenigstens einem Schultergurt (12), der sich von der Oberseite des Sacks (11) zum unteren Teil desselben erstreckt und über eine Schulter und unter dem Arm des Trägers verlaufen soll, wobei der Sack (11) ein Hauptabteil (22) und ein unteres Abteil (25) hat, das unter dem Hauptabteil (22) liegt und zur Aufnahme eines Motorradhelms (26) eingerichtet ist, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) auch eine Sicherungsplatte (28) hat, die dazu eingerichtet ist, sich unter das untere Abteil (25) zu erstrecken.

2. Tragvorrichtung nach Anspruch 1, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) eine Zugangsöffnung zum unteren Abteil (25) getrennt vom Zugang zum Hauptabteil (11) hat.

3. Tragvorrichtung nach Anspruch 2, **dadurch gekennzeichnet, dass** die Zugangsöffnung zum Hauptabteil (22) mit einem Hauptreißverschluss (23) versehen ist.

4. Tragvorrichtung nach Anspruch 2 oder Anspruch 3, **dadurch gekennzeichnet, dass** die Zugangsöffnung zum unteren Abteil (25) mit einer Zugschnur (27) versehen ist.

5. Tragvorrichtung nach einem der Ansprüche 1 bis 4, **dadurch gekennzeichnet, dass** die Sicherungsplatte (28) einen Basisteil (29) und einen Sicherungsgurtteil (30) aufweist.

6. Tragvorrichtung nach Anspruch 5, **dadurch gekennzeichnet, dass** am freien Ende des Sicherungsgurtteils (30) eine Verbindungsvorrichtung (31) angebracht ist, die dazu eingerichtet ist, mit der Basis des Hauptabteils (22) an der Vorderseite desselben lösbar verbunden zu werden.

7. Tragvorrichtung nach Anspruch 5 oder Anspruch 6, **dadurch gekennzeichnet, dass** der Basisteil (29) und die Basis des Hauptabteils (22) einen Reißverschluss (32) um deren Umfänge haben, der dazu eingerichtet ist, den Basisteil (29) unter der Basis des Hauptabteils (22) liegend zu verbinden, wobei sich das untere Abteil (25) und der Sicherungsgurtteil (30) dazwischen befinden, wenn kein Helm (26) im unteren Abteil (25) untergebracht ist.

8. Tragvorrichtung nach einem der Ansprüche 1 bis 7, **dadurch gekennzeichnet, dass** sie zwei Schultergurte (12) hat, die sich von der Oberseite des Sacks (11) zum unteren Teil desselben erstrecken und dazu gedacht sind, über die Schultern und unter den Armen des Trägers zu verlaufen.

9. Tragvorrichtung nach Anspruch 8, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) einen Bauchgurt (16) hat, der dazu eingerichtet ist, um den Bauch des Trägers zu verlaufen.

10. Tragvorrichtung nach Anspruch 8 oder Anspruch 9, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) einen Brustgurt (13) hat, der dazu eingerichtet ist, über die Brust des Trägers zu verlaufen.

11. Tragvorrichtung nach einem der Ansprüche 1 bis 10, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) einen Traggriff (15) hat, der an der Oberseite des Sacks (11) befestigt ist.

12. Tragvorrichtung nach einem der Ansprüche 1 bis 11, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) wenigstens eine an dem Sack (11) befestigte Tasche (18, 19) hat.

13. Kombination aus einer Tragvorrichtung (10) und einem Motorradhelm (26), wobei die Tragvorrichtung enthält: einen Sack (11) mit wenigstens einem Schultergurt (12), der sich von der Oberseite des Sacks (11) zum unteren Teil desselben erstreckt und über eine Schulter und unter dem Arm des Trägers verlaufen soll, wobei der Sack (11) ein Hauptabteil (22) und ein unteres Abteil (25) hat, das unter dem Hauptabteil (22) liegt und in dem sich der Motorradhelm (26) befindet, **dadurch gekennzeichnet, dass** die Tragvorrichtung (10) auch eine Sicherungsplatte (28) hat, die dazu eingerichtet ist, sich unter das untere Abteil (25) zu erstrecken.

Revendications

1. Article de transport (10) comprenant un sac (11) ayant au moins une bretelle (12) s'étendant du sommet du sac (11) à la partie inférieure de celui-ci et destinée à passer par dessus une épaule et sous le bras du porteur, le sac (11) comportant un compartiment principal (22) et un compartiment inférieur (25) placé sous le compartiment principal (22), le compartiment inférieur (25) étant adapté pour recevoir un casque de motocyclette (26) à l'intérieur, **caractérisé en ce que** l'article de transport (10) comporte également un rabat de fixation (28) adapté pour passer sous le compartiment inférieur (25).

2. Article de transport selon la revendication 1, **caractérisé en ce que** l'article de transport (10) a une ouverture d'accès au compartiment inférieur (25) distincte de celle qui donne accès au compartiment principal (22).

3. Article de transport selon la revendication 2, **caractérisé en ce que** l'ouverture d'accès au compartiment principal (22) est munie d'une fermeture à glissière principale (23).

4. Article de transport selon la revendication 2 ou 3, **caractérisé en ce que** l'ouverture d'accès au compartiment inférieur (25) est munie d'un cordon de serrage (27).

5. Article de transport selon l'une quelconque des revendications 1 à 4, **caractérisé en ce que** le rabat de fixation (28) comprend une partie de base (29) et une partie sangle de fixation (30).

6. Article de transport selon la revendication 5, **caractérisé en ce qu'**il comprend un dispositif de connexion (31) à l'extrémité libre de la partie sangle de fixation (30), adapté pour être connecté de manière détachable à la base du compartiment principal (22), à l'avant de celle-ci.

7. Article de transport selon la revendication 5 ou 6, **caractérisé en ce que** la partie de base (29) et la base du compartiment principal (22) ont une fermeture à glissière (32) autour de leur périphérie, adaptée pour attacher la partie de base (29) en relation sous-jacente avec la base du compartiment principal (22), avec le compartiment inférieur (25) et la partie sangle de fixation (30) enfermés entre elles, lorsqu'il n'y a pas de casque (26) dans le compartiment inférieur (25).

8. Article de transport selon l'une quelconque des revendications 1 à 7, **caractérisé en ce qu'**il comporte deux bretelles (12) s'étendant du sommet du sac (11) à la partie inférieure de celui-ci et destinées à passer par dessus les épaules et sous les bras du porteur.

9. Article de transport selon la revendication 8, **caractérisé en ce que** l'article de transport (10) a une sangle de ceinture (16) adaptée pour passer autour de la taille du porteur.

10. Article de transport selon la revendication 8 ou 9, **caractérisé en ce que** l'article de transport (10) a une sangle de poitrine (13) adaptée pour passer autour de la poitrine du porteur.

11. Article de transport selon l'une quelconque des revendications 1 à 10, **caractérisé en ce que** l'article de transport (10) a une poignée de transport (15) fixée au sommet du sac (11).

12. Article de transport selon l'une quelconque des revendications 1 à 11, **caractérisé en ce que** l'article de transport (10) a au moins une poche (18, 19) fixée au sac (11).

13. En association, un article de transport (10) et un casque de motocyclette (26), l'article de transport (10) comprenant un sac (11) ayant au moins une bretelle (12) s'étendant du sommet du sac (11) à la partie inférieure de celui-ci et destinée à passer par dessus une épaule et sous le bras du porteur, le sac (11) comportant un compartiment principal (22) et un compartiment inférieur (25) placé sous le compartiment principal (22), le compartiment inférieur (25) dans lequel est logé le casque de motocyclette (26), **caractérisé en ce que** l'article de transport (10) comporte également un rabat de fixation (28) adapté pour passer sous le compartiment inférieur (25).

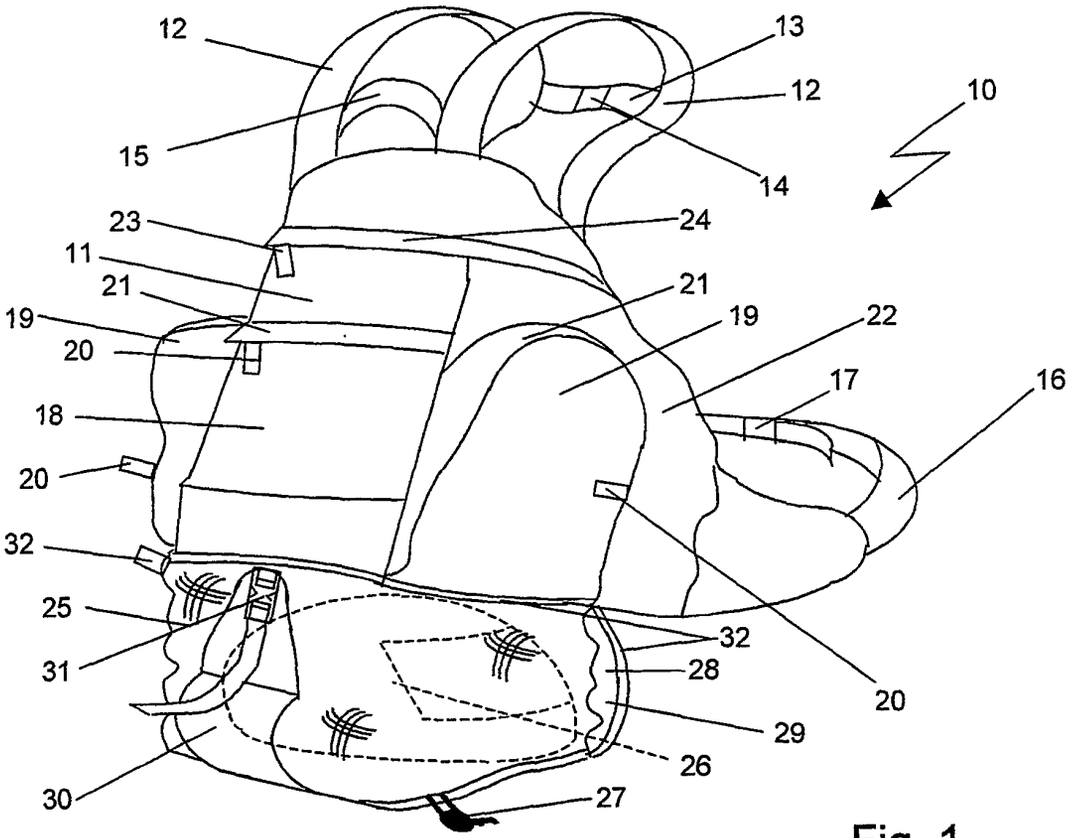

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Fig. 1

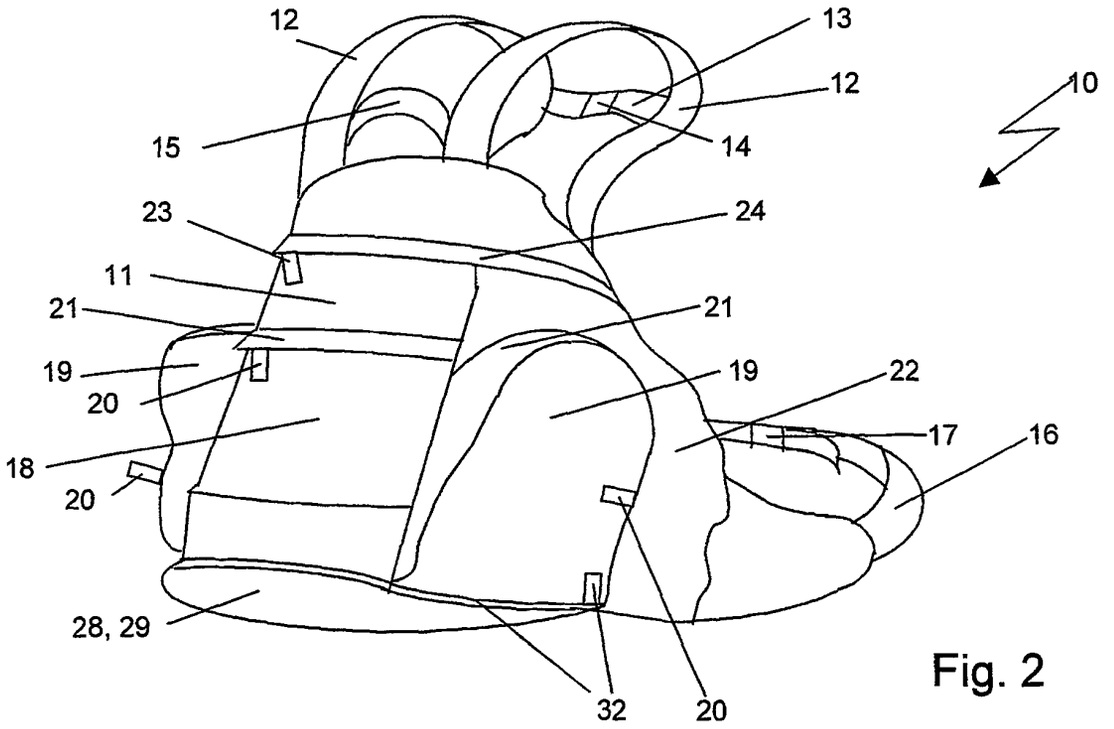

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Fig. 2