A Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, with the Velcro connecting assembly being further provided with a channel-shaped covering with at least one opening, with the first part extending from outside the covering through the at least one opening into the covering and the first Velcro connection being at least partly received in the covering, with the covering closely covering the first Velcro connection so that the first Velcro connection is not suitable to be detached manually.
HOOK AND LOOP FASTENER ASSEMBLY

CROSS-REFERENCE TO RELATED APPLICATION(S)

[0001] This application is a continuation of International Application No. PCT/NL03/00290, filed on Apr. 17, 2003, which claims priority to Netherlands Application No. 1020414, filed Apr. 17, 2002, the content of both are incorporated in their entirety by reference.

BACKGROUND

[0002] The invention relates to a Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection.

[0003] In addition, the invention relates to a belt or a hoisting belt provided with such a Velcro connecting assembly.

[0004] Such a Velcro connecting assembly is known per se and is widely used. The Velcro connecting assembly is used for inter alia fastening a belt, a hoisting belt, clothing, a tent door, etc. For some applications, it is highly important that the Velcro connecting assembly cannot be easily opened. When the Velcro connecting assembly is used in a hoisting belt, for instance, with the hoisting belt being used as an aid to lift an invalid person into or out of bed, the Velcro connecting assembly should not open at the wrong moment. This could cause the patient to slip from the hoisting belt, fall and get hurt. In particular with mentally handicapped patients, the risk of these patients detaching the interconnected first and second part inadvertently is very undesired.

[0005] Also, the Velcro is used in a belt for strapping patients in a bed or in a wheelchair in clinical and geriatric nursing. In this case, too, it is important that the connection between the first and the second part cannot be easily opened by the patient, to prevent accidents. Also, the Velcro connecting assembly is used in closing systems in a child's environment, such as stair gates and the like. Here, it is also important that the children cannot open the Velcro connecting assembly themselves. Furthermore, the Velcro connecting assembly is used by mountainers and in tower wagons. Here, it is again important that the Velcro connecting assembly cannot simply be opened by accident.

[0006] The invention has as its object to provide a Velcro connecting assembly preventing the possibility that the connection between the first and the second part is easily opened, as is the case in conventional Velcro connections.

[0007] The Velcro connecting assembly according to the invention is accordingly characterized in that the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, with the first part extending from outside the covering through the at least one opening into the covering and the first Velcro connection being at least partly received in the covering, with the covering closely covering the first Velcro connection, so that the first Velcro connection is not suitable to be detached manually.

[0008] The first Velcro connection is covered by the covering with a close fit so that the first Velcro connection is not suitable to be detached manually, which prevents the first Velcro connection from being detached undesirably, whether by accident or on purpose. The Velcro connection consisting of two parts cannot or not easily be detached manually.

[0009] The invention also relates to an assembly provided with such a Velcro connecting assembly and a rigid key. This key is of spatula-shaped design with a width suitable to slide into the covering into the Velcro connection. The result is that the first Velcro connection can be opened. It is then possible to detach the first and second part manually. The Velcro connection is in particular provided with Velcro of the first type and Velcro of the second type which are attached to each other. Thus, the Velcro of the first type can be provided with the well-known eyes and the Velcro of the second type can be provided with the well-known hooks and vice versa. It is also possible that the Velcro of the first type and the Velcro of the second type are the same or similar to each other. Then, both the Velcro of the first type and the Velcro of the second type are, for instance, each provided with loops and hooks. The key is then slid between the Velcro of the first type and the Velcro of the second type to open the first Velcro connection. According to a first special embodiment according to the invention, the first Velcro connection is provided with Velcro of the first type and Velcro of the second type, with the Velcro of the first type being attached to the first part and the Velcro of the second type being attached to the inside of the covering, with the covering being attached to or part of the second part.

[0010] To open the Velcro connecting assembly, in use, the key can be slid into the covering between the Velcro of the first type and the Velcro of the second type. In this manner, the first Velcro connection is broken, allowing the first part to be slid out of the covering through the at least one opening. The key will then be left in the covering and can be removed after the first part has been slid out of the covering.

[0011] To close the Velcro connecting assembly, first of all the key is slid into the covering again through the at least one opening. Then, the first part is slid into the covering through the at least one opening. When the first part is at its position, which means that the key is present between the Velcro of the first type and the Velcro of the second type, the key can be removed from the covering, resulting in the first Velcro connection and the connection between the first and second part.

[0012] According to a second possible embodiment of the invention, the first part is of strip-shaped design, with a turn-back part adjoining an end of the first part being turned back over a contact part of the first part adjoining the turn-back part, so that a loop is formed to which the second part is connected, with the turn-back part and the contact part being detachably interconnected by the first Velcro connection and with the turn-back part and the contact part being covered by the covering.

[0013] The covering, again, ensures that the turn-back part and the contact part cannot be pulled apart, thus breaking the first Velcro connection. In particular, the Velcro connecting assembly is further provided with a second Velcro connection that connects an inside of the covering to the first part. This makes it difficult to push away the covering itself, thus exposing the first Velcro connection. In particular, again, the second Velcro connection can be broken using the key referred to above by sliding the key into the covering into the second Velcro connection. In this manner, the second Velcro
connection is broken, allowing the covering to be removed so that the first and the second part and hence the first Velcro connection are exposed. Then, the first Velcro connection can be broken by pulling apart the contact part and the turn-back part in a direction perpendicular to a surface of the first Velcro connection.

[0014] According to a third possible embodiment of the Velcro connecting assembly according to the invention, the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, with the Velcro of the first type and the Velcro of the second type, respectively, being attached to the inside of the covering or the first part, and the first part or the inside of the covering.

[0015] According to a fourth embodiment, the Velcro connecting assembly is further provided with a second Velcro connection that connects an inside of the covering to the second part, with the first and second Velcro connections being present on both sides of the second part.

[0016] The invention also relates to a belt provided with such a Velcro connecting assembly, with the first and second part of the Velcro connecting assembly respectively being part of the ends of the belt. Also, the invention relates to a hoisting belt provided with such a Velcro connecting assembly, with the first and second part respectively being part of the ends of the hoisting belt.

[0017] The invention will now be explained in more detail with reference to the drawing, in which:

[0018] FIG. 1a shows the first embodiment of the Velcro connecting assembly according to the invention with the lock being in the open condition;

[0019] FIG. 1b shows the Velcro connecting assembly of FIG. 1a in closed condition;

[0020] FIG. 2 shows a second possible embodiment of the Velcro connecting assembly according to the invention;

[0021] FIG. 3a shows a third embodiment of the Velcro connecting assembly according to the invention in open condition;

[0022] FIG. 3b shows the Velcro connecting assembly of FIG. 3a in closed condition;

[0023] FIG. 4a shows a fourth embodiment of the Velcro connecting assembly according to the invention in open condition;

[0024] FIG. 4b shows the Velcro connecting assembly of FIG. 4a being closed using a key;

[0025] FIG. 4c shows the Velcro connecting assembly of FIG. 4a in closed condition;

[0026] FIG. 5 shows a fifth embodiment of the Velcro connecting assembly according to the invention in open condition.

[0027] In FIG. 1, the reference numeral 1 refers to a Velcro connecting assembly according to the invention. The Velcro connecting assembly 1 is provided with a first part 2 and a second part 4 interconnected by means of a first Velcro connection 6a, 6b. The Velcro connecting assembly is further provided with a channel-shaped covering 8 with a first opening 10 and a second opening 12. In this example, the covering 8 is formed by a part 14 of the second part and a third part 16 fixedly attached to the second part.

[0028] In this example, the first part 2 consists of a free end of a hoisting belt. The second part 4 also consists of a free end of a hoisting belt. The first and the second part have a strip-shaped design and are manufactured from flexible material such as textile or plastic. These parts can also be flat or rigid, however, or manufactured from Velcro material only. In this example, the third part 16 is also manufactured from a flexible material such as textile or plastic. This part does not need to be flexible either. The first Velcro connection 6a, 6b is provided with Velcro of the first type 6a and Velcro of the second type 6b. The Velcro of the first type 6a is attached to the first part 2. The Velcro of the second type 6b is attached to an inside of the covering 8. In this example, the Velcro of the second type 6b is attached to the part 14 of the second part 4. The Velcro of the first type 6a can, for instance, be provided with the loops known per se, while the Velcro of the second type 6b is provided with the hooks known per se. Also, in this application, in general, both the Velcro of the first type and the Velcro of the second type can each be provided with loops and hooks. Then, the Velcro of the first type and the Velcro of the second type can be of the same type. It is also possible, however, that the Velcro of the second type is provided with the loops while the Velcro of the first type is provided with the hooks. It is essential that the Velcro of the first type and the Velcro of the second type can be interconnected for obtaining the first Velcro connection.

[0029] FIG. 1 also shows a rigid key 18 with a spatula-shaped design. The key 18 has a width b and thickness so that the rigid key is suitable to be slid into the covering through the first opening 10 or the second opening 12. In this example, the key 18 has been slid into the covering through the second opening 12. Then, the first part 2 is also slid into the covering through the first opening 10. All this is carried out such that the key 18 is present between the Velcro of the first type 6a and the Velcro of the second type 6b. The key 18 thus prevents the Velcro of the first type 6a from attaching to the Velcro of the second type 6b. When the first part is thus slid into the covering 8, the key 18 is removed from the covering by, for instance, pulling it from the second opening 12. This results in the Velcro of the first type 6a abutting the Velcro of the second type 6b, thus realizing the first Velcro connection. The effect is that the first and the second part 2, 4 are interconnected.

[0030] All this is shown in FIG. 1b. Here, the covering 8 close-fittingly covers the first Velcro connection, which results in the first Velcro connection not being suitable to be detached manually.

[0031] True, a user can try to pull the first part 2 from the second part 4, which, however, results in shearing forces on the first Velcro connection the direction of which is in the plane of the Velcro connection. The forces are thus distributed over the total Velcro connection, so that it remains intact. This is also important because the hoisting belt can, for instance, be used for lifting persons into or out of a bed. Then, the hoisting belt needs to be able to readily bear a weight of, for instance, 150 kilograms.

[0032] Because the first Velcro connection is screened by the covering 8, it is not possible to pull apart, for instance, the first and second part in a direction perpendicular to the
surface of the Velcro connection. The cover prevents this. In other words, the cover prevents the first Velcro connection from being broken in the regular manner in which a Velcro connection is broken, that is, pulling apart the first and second part in perpendicular direction.

[0033] For re-opening the Velcro connecting assembly, the key 18 is again slid into the covering into the first Velcro connection. The key 18 can again be slid through the first opening 10 or through the second opening 12. In this example, it is assumed that the key 18 is slid into the covering through the second opening 12. Here, the key 18 is slid into the first Velcro connection, that is, between the Velcro of the first type 6a and the Velcro of the second type 6b. The Velcro of the first type 6a and the Velcro of the second type 6b are separated by the key. The key drives a wedge and thus provides for the conversion of horizontal force to vertical force (in this example perpendicular to the surface of the Velcro of the first and second type). For this purpose, the key can also be provided with, for instance, a tapered end 20 which facilitates the separation of the Velcro of the first and second type. When the key is completely inserted into the covering and, as shown in this example, partly sticks out of the first opening 10, the first Velcro connection is broken so that the first part can be slid out of the covering 8 for, for instance, removing the hoisting belt from a person.

[0034] In this example, in closed position as in FIG. 1b, the covering thus covers the first part. Furthermore, the Velcro of the second type is attached to the second part. The covering, in its turn, is fixedly attached and is part of the second part 4. The first part extends through the opening into the covering.

[0035] Naturally, it is also possible that the Velcro of the second type 6b in the covering is attached to the third part 16. In that case, the third part 16 provides the first Velcro connection, that is, the connection between the second part 4 and the first part 2. In that case, it is also important that the third part 16 is firmly attached to the second part 4.

[0036] FIG. 2 shows a second embodiment of the invention, in which parts corresponding to FIGS. 1a and 1b have the same reference numerals.

[0037] In the applications of FIG. 2, the Velcro connecting assembly is used in a belt 22. The belt 22 is provided with a buckle known per se. The first part 2 is again part of a free end of the belt, while the second part 4 is also port of a free end of the belt. The covering 8 is again formed by a part 14 of the second part and a third part 16. In this example, the third part 16 is provided on top of the second part and turned back over the longitudinal edges of the second part 4 to be attached to the lower side of the second part, for instance by means of a stitch connection. In this manner, a flat tubular shape is formed.

[0038] In this example, the Velcro of the first type 6a is provided on top of the second part 4. In this example, the Velcro of the second type 6b is attached within the covering 8 to the third part 16. FIG. 2 shows the situation in which the lock is closed. In this example, the fact that the third part is provided with the Velcro of the first type is never a problem because the Velcro connecting assembly is only part of a belt and not of a hoisting belt as discussed with reference to FIGS. 1a and 1b. The forces exerted on the first Velcro connection 6a, 6b are thus less great. To open the Velcro connecting assembly 1, the key 18 can be slid into the first Velcro connection through the second opening 12, as discussed above. The effect of this is that the tip 20 of the key 18 separates the Velcro of the first type 6a and the Velcro of the second type 6b. When this has been carried out completely, the first part can be manipulated out of the covering 8. After this, the key can be removed. To establish the Velcro connection again, the key is, for instance, again inserted in the covering through the opening 12. Through the opening 10, the first part is then slid into the covering such that the key 18 is present between the Velcro of the first type 6a and the Velcro of the second type 6b. When the second part is wholly or partly slid into the covering 8, the key 18 can be removed, establishing the first Velcro connection again.

[0039] Naturally, it is also possible that the Velcro of the first type 6a is provided on the lower side of the second part while the Velcro of the second type 6b is provided on top of the part 14 of the second part 4. Such variants are considered to be within the scope of the invention.

[0040] In FIGS. 3a, 3b, parts corresponding to FIGS. 1a, 1b and 2 have the same reference numerals.

[0041] In this example, the first part 2 is of strip-shaped design with a turn-back part 24 adjoining an end of the first part being turned back over a contact part 26 of the first part adjoining the turn-back part 24, so that a loop 28 is formed. The second part 4 is provided with a buckle 30 inserted in the loop 28. The first Velcro connection 6a, 6b is provided to interconnect the turn-back part 24 and the contact part 26. For this purpose, the Velcro of the first type 6a is provided on the turn-back part 24 and the Velcro of the second type 6b is provided on the contact part 26. When, as shown in FIG. 3a, the turn-back part 24 is turned in the direction of the arrow P to the contact part 26, the contact part 26 can thus be connected to the turn-back part 24 by means of the first Velcro connection 6a, 6b. The loop 28 is then closed and the first part 2 and second part 4 are interconnected. To ensure that the first Velcro connection cannot be easily opened again by, for instance, pulling up the free end 22 in a direction perpendicular to the surface of the first Velcro connection 6a, 6b, use is now made of the covering 8. In this example, the covering 8 is provided around the first part 2 so that it is freely slidable in the direction of the arrow Q. Here, the first part 2 extends through the first and second opening 10, 12 through the covering. In this example, on the turn-back part opposite the side where the Velcro of the first type is present, a Velcro of the second type 32b is provided. On an inside of the covering 8 which lies above the first part 2, a Velcro of the first type 32a is further provided. The Velcro of the first type 32a and the Velcro of the second type 32b are arranged to provide a second Velcro connection 32a, 32b. All this works as follows. The key 18 is slid through the, for instance, second opening 12 into the covering 8 such that the key 18 abuts the Velcro of the first type 32a. So the key is then present between the Velcro of the first type 32a and the first part 2. Then, the covering 8 is slid over the turn-back part 24 and the contact part 26 together with the key. Here, a lower side of the key 18 slides over the Velcro of the second type 32b. The result is that the Velcro of the first type 32a and the Velcro of the second type 32b can easily move past each other because the key 18 prevents contact between the Velcro of the first type 32a and the
Velcro of the second type 32b. When the covering is thus slid over the turn-back part 24 and the central part 26, all this such that the Velcro of the first type 32a is present at least partly opposite the Velcro of the second type 32b, the key 18 is slid out of the covering through the opening 12 or the opening 10, resulting in a second Velcro connection 32a, 32b between the covering 8 and the first part 2 (FIG. 3b). In this example, the covering 8 is connected to the turn-back part 24 of the first part 2. The second Velcro connection 32a, 32b thus connects the inside of the covering to an outside of the turn-back part, with the first and the second Velcro connections being present on both sides of the turn-back part. It is also possible, however, that the second Velcro connection connects the inside of the covering 8 and an outside 34 of the contact part 26. In that example, the Velcro of the second type 32b can be attached to this outside 34. In that example, the Velcro of the first type 32a can attach to the inside of the covering 8 which adjoins a lower side 34 of the first part 2.

[0042] In this example, the Velcro of the first type 32a and the Velcro of the second type 32b can be provided with loops and hooks respectively. Here, naturally, the Velcro of the first and second type 32a, 32b are interchangeable, so that the inside of the covering 8 is provided with hooks 32b instead of loops and so that the first part is provided with loops 32a instead of hooks.

[0043] In this example, the second part does not comprise Velcro but only the buckle 30. Naturally, the second part can also be provided with a plurality of buckles 30, 30′ which are provided, in the longitudinal direction of the second part, at separate positions. Then, the second part can consist of a belt that can be fastened at different diameters by providing the loop 28 around one of the buckles 30 as desired.

[0044] FIG. 4c shows a fourth embodiment of a Velcro connecting assembly according to the invention, with the parts corresponding to the FIGS. 1-3 having the same reference numerals. In this example, the Velcro of the first type 6a of the first Velcro connection is provided on top of the second part 4 while the Velcro of the second type 6b of the first Velcro connection is provided at the lower side of the first part 2. In this example, the first part 2 and the second part 4 are a part of a hoisting belt. In this example, the covering 8 is provided around the second part so that it is freely slidable in the direction of the arrow Q. Furthermore, an upper side of the first part 2 is provided with the Velcro of the second type 32b of the second Velcro connection. An inside of the covering 8 is provided with a Velcro of the first type 32a of the second Velcro connection 32a, 32b. This is the inside that is present above the second part 4. To refasten the hoisting belt, that is, to attach the first part 2 and the second part 4 to each other, the Velcro of the first type 6a is connected to the Velcro of the second type 6b. The key 20 is then laid on top of the first part 2, such that the key 18 covers the Velcro of the second type 32b (FIG. 4b). The covering 8 is then slid over the key 18 and thus over the first part 2. All this is done such that the key 18 is present between the Velcro of the first type 32a and the Velcro of the second type 32b. Then, the key 18 is removed by pulling it from the opening 10 of the covering 8. This establishes the second Velcro connection 32a, 32b. The result is that the first Velcro connection 6a, 6b is covered by the covering 8. Then, it is not possible, for instance, to pull the first part from the second part in a direction perpendicular to the surface of the first Velcro connection such that the first Velcro connection 6a, 6b is broken. This situation is shown in FIG. 4c.

[0045] The invention is by no means limited to the embodiments described above. Naturally, for shifting the covering 8 over the Velcro connection 6a, 6b, the key 18 can also be inserted into the opening 12, so that the key 18 completely extends through the covering and is present above the second part 4. The covering 8 can then be slid over the first Velcro connection 6a, 6b together with the key, after which the key 18 is removed by, for instance, pulling it from the first opening or the second opening 12. After this, the second Velcro connection 32a, 32b is established.

[0046] Instead of the covering 8 being slid over the second part, as shown in FIGS. 4a-4c, naturally, the covering 8 can also be provided so that it is slidable over the first part. In that case, the covering 8 is and remains provided over the first part and slides over the first part over the Velcro connection 6a, 6b. It is also possible that the Velcro of the second type 32b is provided on the lower side of the second part 4 (FIG. 5). In that case, the Velcro of the first type 6a and the Velcro of the second type 32b are present on both sides of the second part 4. In that case, the Velcro of the first type 32a is provided on the inside of the covering 8 which extends below the second part 4. Such variants are considered to be within the scope of the invention. Naturally, here as well, the Velcro of the first type 32a can consist of hooks, or loops, while the Velcro of the second type 32b consists of loops, or hooks. In the example of FIG. 3 as well, the key can be laid on top of the Velcro of the second type 32b before the covering 8 is slid over the Velcro connection 6a, 6b, after which the covering 8 is slid over the key and thus over the Velcro connection 6a, 6b. Such a principle is also possible in the example of FIG. 2. Here, it is also possible that the key is placed on the first part, after which the first part and the key together are slid into the covering to establish the Velcro connection 6a, 6b. Naturally, such a method is also applicable in the arrangement of FIG. 1. Here as well, to establish the Velcro connection 6a, 6b, the key 18 can be positioned below the first part 2, after which the first part and the key 18 are then slid into the covering 8 together. In the example of FIG. 1a, the opening 12 of the covering can be closed. This is also true of the opening 12 of the covering 8. Preferably, however, these openings remain open so that it is clear that the first part 2 is sufficiently deeply and preferably even completely slid into the covering, and even partly sticks out of the opening 12. Such variants are considered to be within the scope of the invention.

1. A system provided with a Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, wherein the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually, characterized in that the system is further provided with a rigid key, wherein the key is of spatula-shaped design and has a width suitable to slide into the covering to open the first Velcro connection.

2. A system according to claim 1, characterized in that the first Velcro connection is provided with Velcro of a first type
and Velcro of a second type, wherein the Velcro of the first type is attached to the first part and the Velcro of the second type is attached to an inside of the covering, wherein the covering is attached to or forms part of the second part.

3. A system according to claim 2, characterized in that the covering is formed by a part of the second part and a third part that is fixedly attached to the second part.

4. A system according to claim 2, characterized in that the Velcro of the second type is attached to the third part.

5. A system according to claim 2, characterized in that the Velcro of the second type is attached to the second part.

6. A system according to claim 1, characterized in that the first part is of strip-shaped design, wherein a turn-back part adjoining an end of the first part is turned back over a contact part of the first part adjoining the turn-back part, so that a loop is formed to which the second part is connected, wherein the turn-back part and the contact part are detachably interconnected by the first Velcro connection and wherein the turn-back part and the contact part are covered by the covering. (FIG. 3)

7. A system according to claim 6, characterized in that the first Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type is attached to the contact part and the Velcro of the second type is attached to the turn-back part.

8. A system according to claim 6, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection which connects an inside of the covering to the first part.

9. A system according to claim 8, characterized in that the second Velcro connection interconnects the inside of the covering and an outside of the turn-back part, wherein the first and second Velcro connections are present on both sides of the turn-back part.

10. A system according to claim 9, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the turn-back part, and the turn-back part or the inside of the covering.

11. A system according to claim 8, characterized in that the second Velcro connection interconnects the inside of the covering and an outside of the contact part, wherein the first and second Velcro connections are present on both sides of the contact part.

12. A system according to claim 11, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the contact part, and the contact part or the inside of the covering.

13. A system according to claim 1, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection which connects an inside of the covering to the first part, wherein the first and second Velcro connections are present on both sides of the first part. (FIG. 4)

14. A system according to claim 13, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the first part, and the first part or the inside of the covering.

15. A system according to claim 1, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection that connects an inside of the covering to the second part, wherein the first and second Velcro connections are present on both sides of the second part. (FIG. 5)

16. A system according to claim 15, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the second part, and the second part or the inside of the covering.

17. A system according to any one of the claims 6, characterized in that the covering is further provided with a second opening, wherein the first or the second part extends from outside the covering through the second opening into the covering.

18. A system provided with a Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, wherein the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually wherein the first part is of strip-shaped design, wherein a turn-back part adjoining an end of the first part is turned back over a contact part of the first part adjoining the turn-back part, so that a loop is formed to which the second part is connected, wherein the turn-back part and the contact part are detachably interconnected by the first Velcro connection and wherein the turn-back part and the contact part are covered by the covering, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection which connects an inside of the covering to the first part, wherein the system is further provided with a rigid key, wherein the key is of spatula-shaped design and dimensions suitable to slide into the covering to open the second Velcro connection.

19. A system according to claim 18, characterized in that the first Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type is attached to the contact part and the Velcro of the second type is attached to the turn-back part.

20. A system according to claim 18, characterized in that the second Velcro connection interconnects the inside of the covering and an outside of the turn-back part, wherein the first and second Velcro connections are present on both sides of the turn-back part.

21. A system according to claim 20, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the turn-back part, and the turn-back part or the inside of the covering.

22. A system according to claim 18, characterized in that the second Velcro connection interconnects the inside of the
covering and an outside of the contact part, wherein the first and second Velcro connections are present on both sides of the contact part.

23. A system according to claim 22, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the contact part, and the contact part or the inside of the covering.

24. A system according to any one of the proceeding claims 18, characterized in that the covering is further provided with a second opening, wherein the first or the second part extends from outside the covering through the second opening into the covering.

25. A system provided with a Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, wherein the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection which connects an inside of the covering to the first part, wherein the first and second Velcro connections are present on both sides of the first part wherein the system is further provided with a rigid key, wherein the key is of spatula-shaped design and dimensions suitable to slide into the covering to open the second Velcro connection.

26. A system according to claim 25, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the first part, and the first part or the inside of the covering.

27. A system provided with a Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, wherein the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually, characterized in that the Velcro connecting assembly is further provided with a second Velcro connection that connects an inside of the covering to the second part, wherein the first and second Velcro connections are present on both sides of the second part wherein the system is further provided with a rigid key, wherein the key is of spatula-shaped design and dimensions suitable to slide into the covering to open the second Velcro connection.

28. A system according to claim 27, characterized in that the second Velcro connection is provided with Velcro of the first type and Velcro of the second type, wherein the Velcro of the first type and the Velcro of the second type, respectively, are attached to the inside of the covering or the second part, and the second part or the inside of the covering.

29. A Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, characterized in that the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually.

30. A Velcro connecting assembly provided with a first part and a second part which are detachably interconnected by means of a first Velcro connection, characterized in that the Velcro connecting assembly is further provided with a channel-shaped covering with at least one opening, wherein the first part extends from outside the covering through the at least one opening into the covering and the first Velcro connection is at least partly received in the covering, wherein the covering closely covers the first Velcro connection so that the first Velcro connection is not suitable to be detached manually wherein the Velcro connecting assembly is further provided with a second Velcro connection which connects an inside of the covering to the first part, and wherein the first and second Velcro connections are present on both sides of the first part.

31. The Velcro connecting assembly according to claim 30 wherein said first Velcro connection lays between the first part and the second part.

32. A system according to claim 1, characterized in that the first part is of strip-shaped design.

33. A system according to claim 1, characterized in that the second part is of strip-shaped design.

34. A system according to claim 1, characterized in that the first part is manufactured from a flexible material such as a textile or plastic.

35. A system according to claim 1, characterized in that the second part is manufactured from a flexible material such as a textile or plastic.

36. A system according to claim 1, characterized in that the covering is manufactured from a flexible material such as a textile or plastic.

37. A belt provided with a system according to claim 1, wherein the first and second part respectively are part of the ends of the belt.

38. A hoisting belt provided with a system according to claim 1, wherein the first and second part respectively are part of the ends of the hoisting belt.

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