CLAIMS

1. A crawler hanging device (20) to be mounted onto a crawler (30) for use in lifting the crawler, the crawler including a crawler frame (31) having a pair of left and right side-surfaces (31c) and attachable to a main part (13a) of a traveling body, and a crawler belt (35) surrounding the crawler frame from above, below, front, and rear thereof, the crawler hanging device comprising:

at least one support member to be attached to the crawler, wherein

the at least one support member includes:

an attaching part (61) to be attached to a crawler frame outer surface (31o) that is one of the pair of side-surfaces of the crawler frame and is opposite to a side-surface via which the crawler frame is to be attached to the main part of the traveling body;

a first receiving part (65) arranged above a belt top section of the crawler belt above the crawler frame for receiving a lifting tool (66) for lifting the crawler; characterized in that

a circuitous part (63) which connects the attaching part and the first receiving part with each other, and extends around the belt top section of the crawler belt through an outside region of the belt top section in a left-right direction of the crawler belt.

2. The crawler hanging device according to claim 1, wherein

the attaching part is attached to the crawler frame outer surface rotatably about a rotation central axis (A) extending in a front-rear direction of the crawler, and

the at least one support member further includes a rotation restricting part (71) which is located away from the attaching part in an up-down direction, and is brought into contact with the crawler frame outer surface to restrict the rotation of the at least one support member about the rotation central axis.

3. The crawler hanging device according to claim 2, wherein

the rotation restricting part is below the rotation central axis, and

the at least one support member has such a shape that a gravity center of the support member is on an outer side of the rotation central axis in the left-right direction of the crawler when the attaching part is rotatably attached to the crawler frame outer surface and the rotation restricting part is in contact with the crawler frame outer surface.

4. The crawler hanging device according to claim 2 or 3, wherein

the attaching part is detachably attachable to the crawler frame outer surface,

the rotation restricting part is below the rotation central axis,

the at least one support member further includes, in an upper portion of the support member, a second receiving part arranged on an outer side of the first receiving part in the left-right direction of the crawler above the crawler belt for receiving another lifting tool for lifting the support member when the attaching part is attached to the crawler frame outer surface, and

the at least one support member has such a shape that the gravity center of the support member is on an inner side of the second receiving part (67) in the left-right direction when the at least one support member is attached to the crawler frame outer surface and the rotation restricting part is in contact with the crawler frame outer surface.

5. The crawler hanging device according to any one of claims 1 to 4, wherein

the at least one support member further includes:

a front support member (43);

a rear support member (50) arranged at the rear of the front support member; and

a connection part (41) which connects the front support member and the rear support member with each other in a front-rear direction of the crawler.

6. The crawler hanging device according to claim 5, further comprising a fastening member (242) which fastens at least one of the front support members and the rear support member, and the connection part to each other with a relative position between the front support member and the rear support member being adjustable.

7. The crawler hanging device according to any one of claims 1 to 6, further comprising a pin (P) which connects the crawler frame outer surface and the at least one support member to each other by passing through a crawler pin hole (33a) formed in the crawler frame outer surface and a support member pin hole (61) formed in the attaching part.

8. The crawler hanging device according to any one of claims 1 to 7, wherein the at least one support member further includes a frame which connects the attaching part and the rotation restricting part with each other, and a position adjusting part which adjusts a relative position of the rotation restricting part to the frame in the left-right direction of the crawler.

9. The crawler hanging device according to claim 8, wherein

the second receiving part is above a gravity center of the crawler, and

the at least one support member has such a shape that a gravity center of an assembly constituted by the front support member, the rear support member, and the connection part is on a positional line on which the second receiving part is located or on an inner side of the second receiving part on the positional line with respect to the left-right direction when the front support member and the rear support member are attached to the crawler frame outer surface and the rotation restricting part is in contact with the crawler frame outer surface.