

Title (en)

IMPROVED CLEVIS ASSEMBLY AND FLY ADAPTOR ASSEMBLY FOR COLLAPSIBLE UMBRELLA TENT AND FRAME THEREFOR

Title (de)

VERBESSERTES GABELGELENK UND ADAPTER FÜR EIN FALTBARES SCHIRMZELT UND GERÜST HIERFÜR

Title (fr)

ENSEMBLE D'ARTICULATION AMELIORE ET ENSEMBLE D'ADAPTATION DE DOUBLES TOITS POUR TENTES A ARMATURES PARAPLUIE PLIANTES, ET ARMATURES CORRESPONDANTES

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Application

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Abstract (en)

[origin: WO9706325A2] The present invention is directed to a modified clevis assembly for collapsible tents. The clevis assembly is modified so that it contains a conical pin entry guide on a first clevis member to allow safe directing of the tip of the pin on a second clevis member into the recess of the first clevis member. In the modified clevis assembly the pin is guided into the recess should any torque or twist to the frame occur when the tent is erected due to the inherent flexibility of the materials used in the construction of tent frames and the tendency for the user to inadvertently apply force off of vertical through pressure from the user's hands when moving the lower clevis member toward the upper clevis member. The conical pin entry guide preferably forms an integral part of the under surface of the upper clevis member or of the upper surface of the lower clevis member. The clevis assembly is further optionally modified to include in or on the upper clevis member means to receive a fly adaptor assembly. The fly adaptor receiving means may be a centrally located hollow core extending from the center of the upper surface of the upper clevis member vertically through the center of the upper clevis member out of the base of the upper clevis member to the apex of the conical pin entry guide or a pin socket or recess at the apex of the conical pin entry guide, or a centrally located fly adaptor receptacle in the upper surface of the upper clevis member, or a centrally and vertically protruding pin from the upper surface of the upper clevis member. The present invention is further directed to a fly adaptor assembly which allows the user to mount a fly cover on an as needed basis on a collapsible umbrella tent. The fly adaptor assembly comprises a single clevis member with a plurality of arms. Centrally mounted on the underside of the fly adaptor assembly's clevis member is a means to attach the fly adaptor to the modified upper clevis member of the collapsible tent's frame. The attachment means of the fly adaptor is designed to mate with the fly adaptor receiving means of the upper clevis member of the tent frame.

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