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(54) **ANTI-SPREADER HAMMOCK STAND**

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A45F 3/24 (2006.01)

(52) **U.S. Cl.**
CPC ***A45F 3/24*** (2013.01)

(58) **Field of Classification Search**
CPC A45F 3/22; A45F 3/24; A45F 3/26; A45F 3/44; A45F 4/08; A47C 17/84; E04H 15/04
See application file for complete search history.

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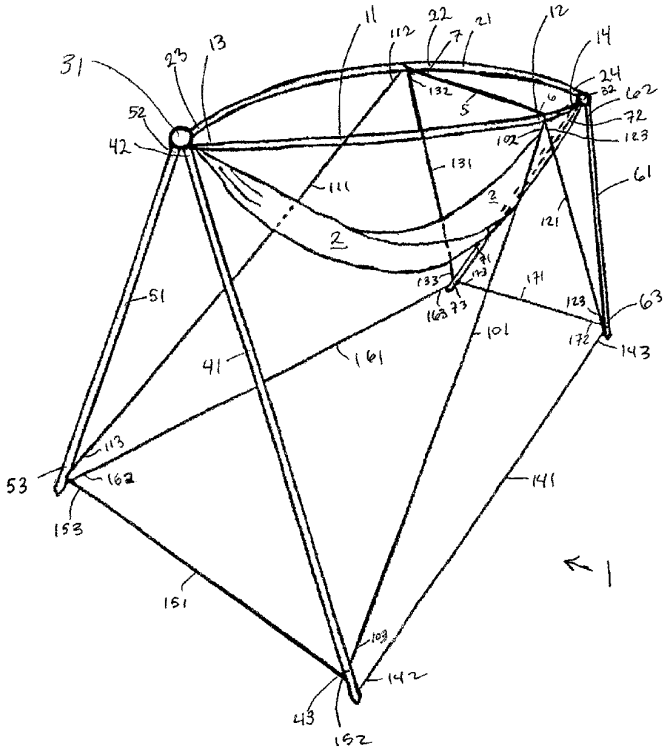
(57) **ABSTRACT**

A hammock stand providing ridge poles and anti-spreaders and ridge-base lines to maintain the hammock stand stability and functionality.

10 Claims, 5 Drawing Sheets



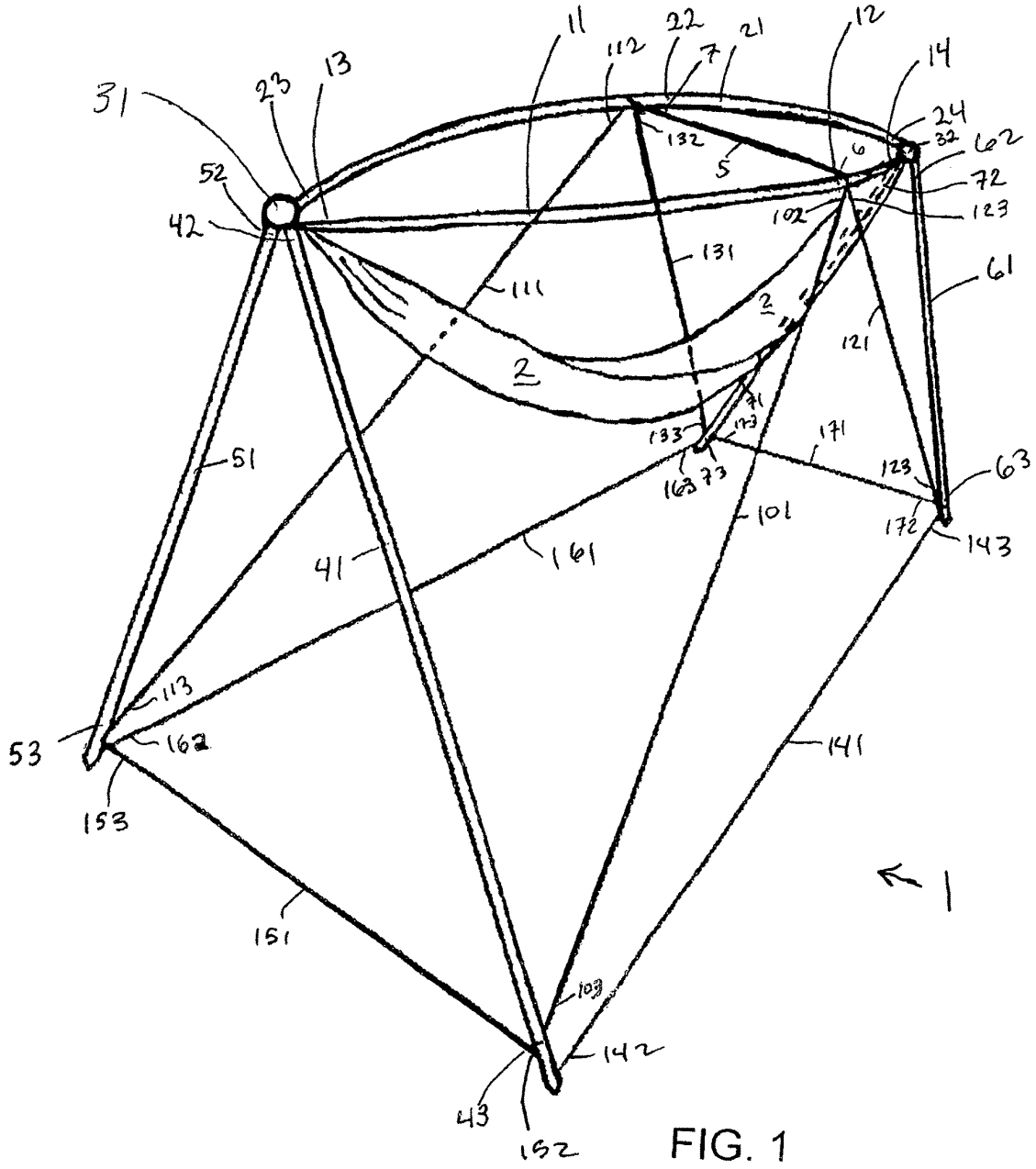

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FIG. 1

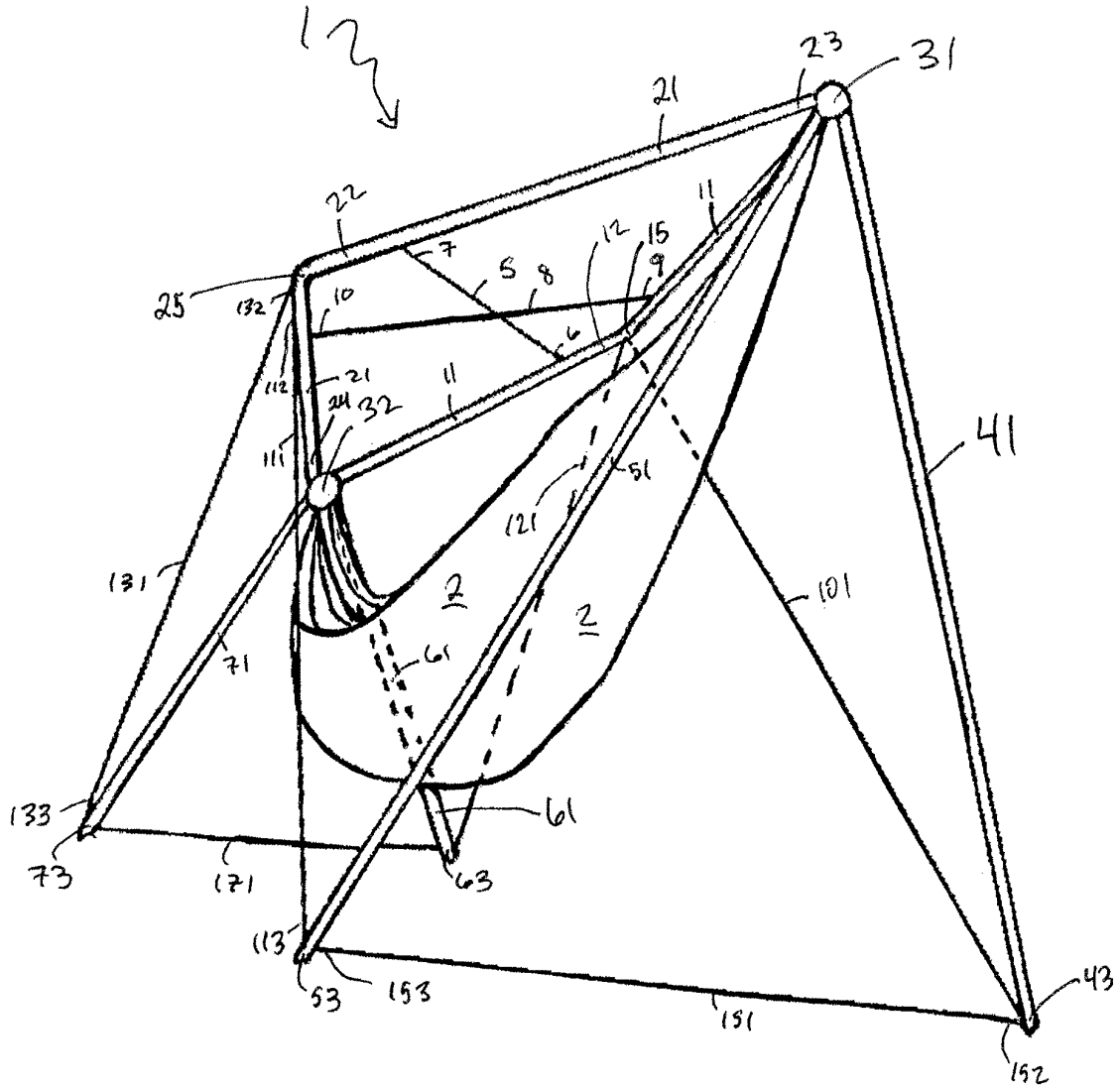
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FIG. 2

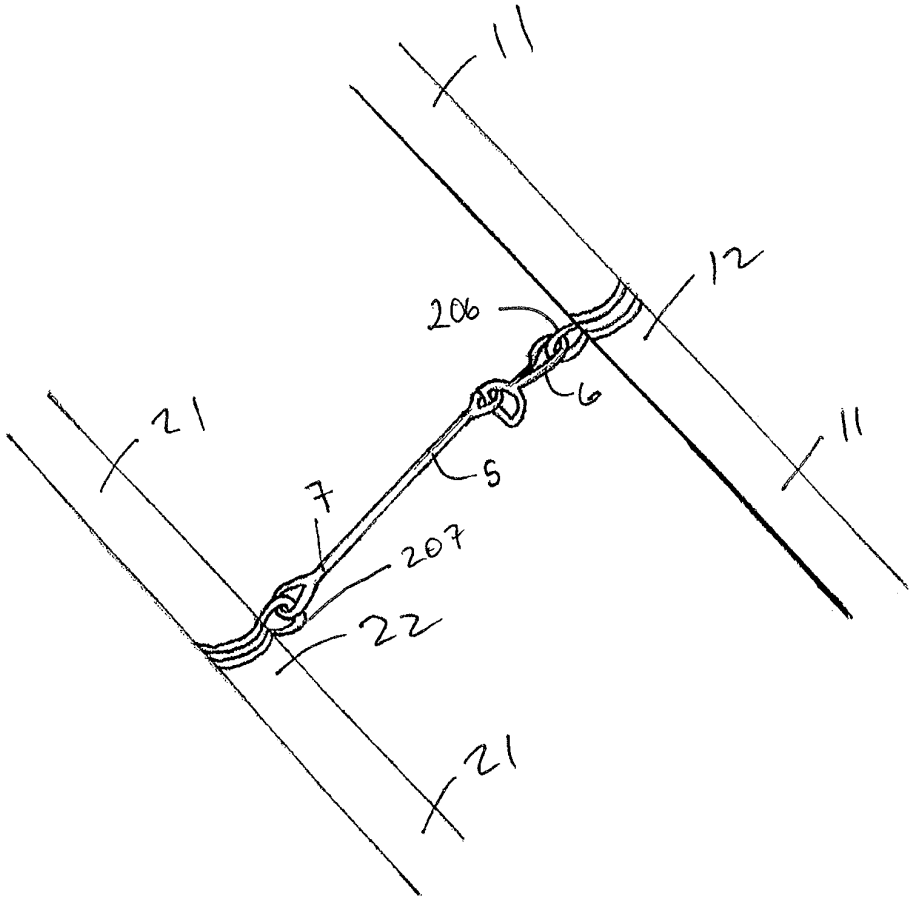

FIG. 3

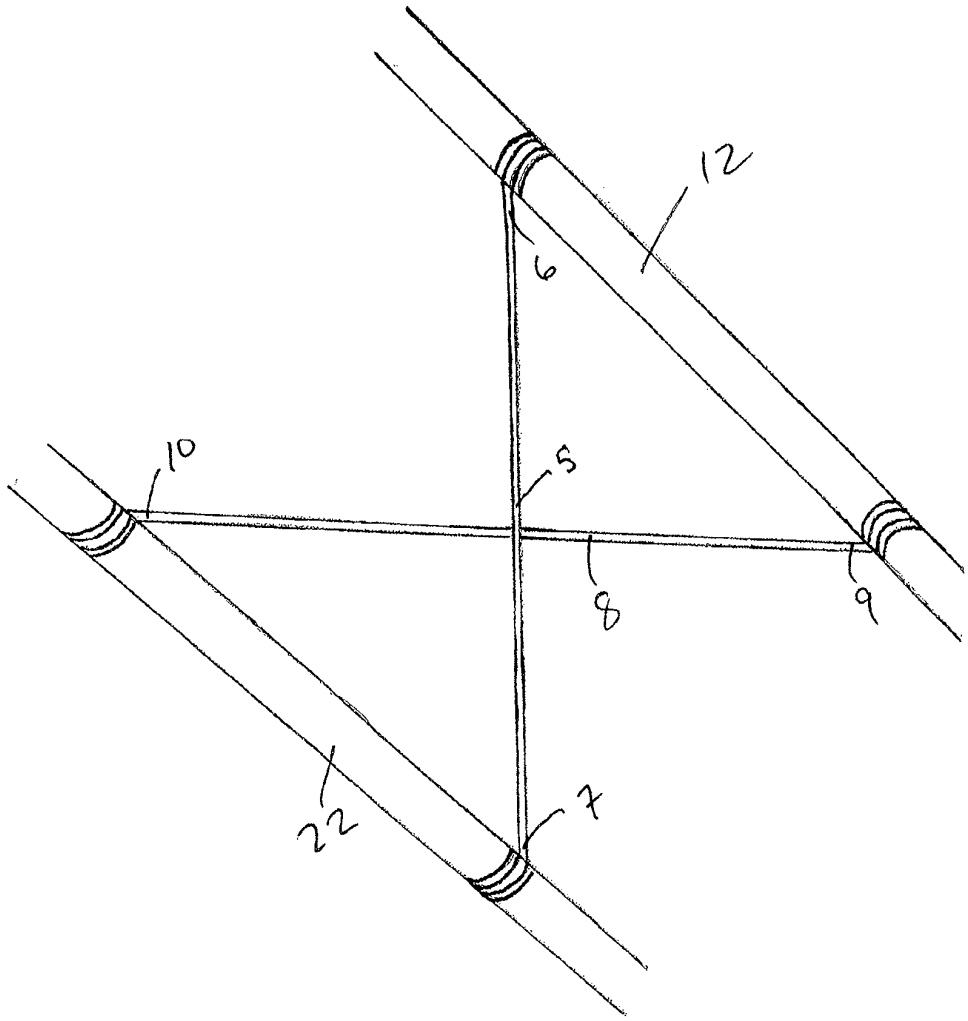

FIG. 4

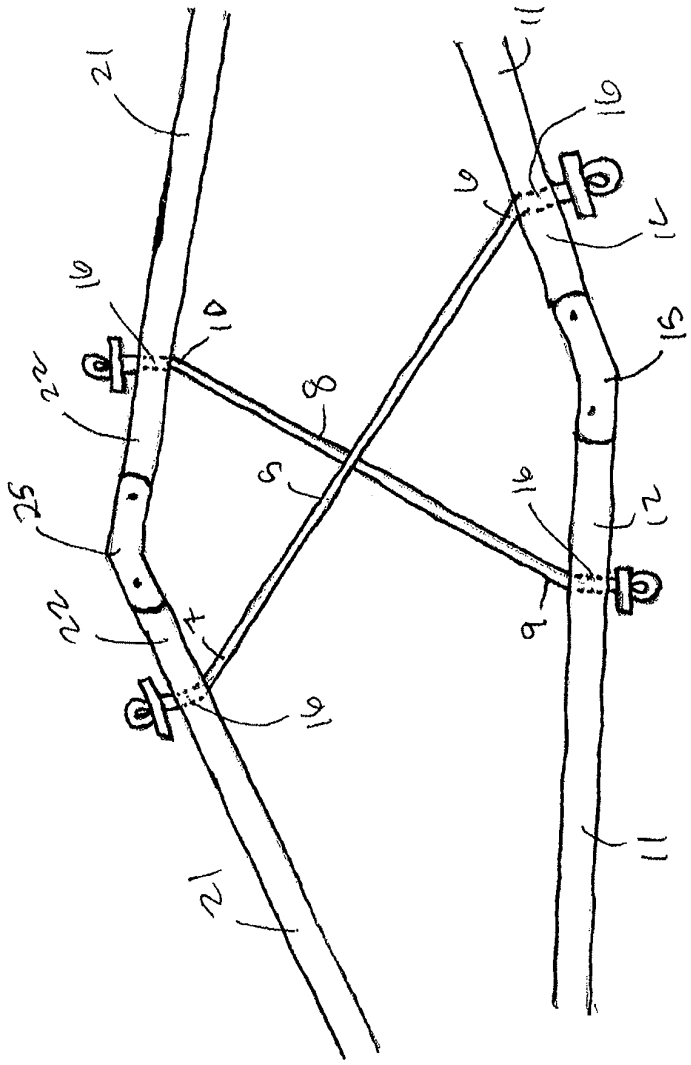

FIG. 5

ANTI-SPREADER HAMMOCK STAND

FIELD OF THE INVENTION

The present invention relates to a hammock stand having an at least on anti-spreader and therefore able to hold significant weight.

BACKGROUND OF THE INVENTION

Hammock stands are notoriously flimsy and unable to handle significant weight. This is particularly true in regions and areas where trees and other vertical structures are unavailable for use as hammocks. Traditional hammock stands therefore are reliant upon less-than-sturdy vertical structures to support significant weight in the hammock. There is a long-felt need for hammock stand that can support and accommodate significant weight, particularly in areas and regions where vertical structures are not available for hammock use.

SUMMARY OF THE INVENTION

Accordingly, it is an object of embodiments of the present invention to provide for an anti-spreader hammock stand. Additional objects, advantages and novel features of the invention will be set forth in part in the description which follows, and in part will become apparent to those skilled in the art upon examination of the following or may be learned by practice of the invention. The objects and advantages of the invention may be realized and attained by means of the instrumentalities and combinations particularly pointed out in the appended claims. To achieve the foregoing and other objects, and in accordance with the purposes of the present invention, as embodied and broadly described herein, the invention comprises a anti-spreader hammock stand comprising a first ridge pole, a second ridge pole, a first anti-spreader, a first base pole, a second base pole, a third base pole, a fourth base pole, a first base ridge junction and a second base ridge junction; said first ridge pole having a first ridge pole proximal end, a first ridge pole distal end, and a first ridge pole intermediate portion between the first ridge pole proximal end and the first ridge distal end, said second ridge pole having a second ridge pole proximal end, a second ridge pole distal end and a second ridge pole intermediate portion between the second ridge proximal end and the second ridge pole distal end; said first base pole having a first base pole top portion and a first base pole bottom portion, said second base pole having a second base pole top portion and a second base pole bottom portion, said third base pole having a third base pole top portion and a third base pole bottom portion said forth base pole having a forth base pole top portion and a forth base pole bottom portion; said first anti-spreader having a first anti-spreader first end and a first anti-spreader second end, said first anti-spreader first end connected to said first ridge pole and said first anti-spreader second end connected to said second ridge pole; said first base ridge junction connected to said first ridge pole proximal end, said second ridge pole proximal end, said first base pole top portion and said second base pole top portion, said second base ridge junction connected to said first ridge pole distal end, said second ridge pole distal end, said third base pole top portion and said forth base pole top portion.

Benefits and advantages of the present invention include, but are not limited to providing portable anti-spreading hammock stand that can support and hold significant weight and which is particularly useful in areas and regions where vertical structures are not readily available for use as hammock vertical supports.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention can be best understood by those having ordinary skill in the art by reference to the following detailed description when considered in conjunction with the accompanying drawings in which:

FIG. **1** illustrates a right-side perspective view of one embodiment of the hammock stand.

FIG. **2** illustrates a left-side perspective view of one embodiment of the hammock stand.

FIG. **3** illustrates a bottom to top view one embodiment of the instant invention depicting two ridge poles and an anti-spreader.

FIG. **4** illustrates a bottom to top view one embodiment of the instant invention depicting two ridge poles and two anti-spreaders.

FIG. **5** illustrates a bottom to top view one embodiment of the instant invention depicting two ridge poles having junctions and two anti-spreaders.

DETAILED DESCRIPTION OF THE INVENTION AND DRAWINGS

Reference will now be made in detail to embodiments of the invention, examples of which are illustrated in the accompanying drawings. Throughout the following detailed description, the same reference characters refer to the same or similar elements in all figures. In this detailed description, reference is to a few embodiments of the instant invention, as illustrated in the accompanying and above-referenced drawings. In the following description, numerous specific details are set forth in order to provide a thorough understanding of the present invention. It will be apparent, however, to one skilled in the art, that the present invention may be practiced without some or all of these specific details. In other instances, well known process steps and/or structures have not been described in detail in order to not unnecessarily obscure the present invention.

FIG. **1** depicts one embodiment of the instant invention comprising an anti-spreader stabilized hammock stand **1**, a first ridge pole **11**, a second ridge pole **21**, an anti-spreader **5**, a first base pole **41**, a second base pole **51**, a third base pole **61**, a fourth base pole **71**, a first base ridge line **101**, a second base ridge line **111**, a third base ridge line **121**, a fourth base ridge line **131**, a first base ridge junction **31**, a second base ridge junction **32**, a first base pole line **141**, second base pole line **151**, a third base-pole line **161** and a fourth base pole line **171**.

The first ridge pole **11** has a first ridge pole proximal end **13**, a first ridge pole distal end **14** and a first ridge pole intermediate portion **12** between the first ridge pole proximal end and the first ridge pole distal. The second ridge pole **21** has a second ridge pole proximal end **23**, a second ridge pole distal end **24** and a second ridge pole intermediate portion **22** between the second ridge pole proximal end and the second ridge pole distal.

FIG. **1** also depicts the first base pole **41** having a first base pole top portion **42** and a first base pole bottom portion **43**, the second base pole **51** having a second base pole top portion **52** and a second base pole bottom portion **53**, the third base pole **61** having a third base pole top portion **62** and

a third base pole bottom portion **63** and the forth base pole **71** having a forth base pole top portion **72** and a forth base pole bottom portion **73**.

FIG. **1** depicts the first base ridge line **101** having a first base ridge line upper end **102** connected to the first ridge pole **11** at the location of the first ridge pole intermediate region **12** and a first base ridge line lower end **103** connected to the first base pole bottom portion **43**.

FIG. **1** depicts the second base ridge line **111** having a second base ridge line upper end **112** connected to the second ridge pole **21** at the location of the second ridge pole intermediate region **22** and a first base ridge line lower end **113** connected to the first base pole bottom portion **53**.

FIG. **1** depicts the third base ridge line **121** having a third base ridge line upper end **122** connected to the first ridge pole **11** at the location of the first ridge pole intermediate region **12** and a third base ridge line lower end **123** connected to the third base pole bottom portion **63**.

FIG. **1** depicts the fourth base ridge line **131** having a fourth base ridge line upper end **132** connected to the second ridge pole **21** at the location of the second ridge pole intermediate region **22** and a fourth base ridge line lower end **133** connected to the first base pole bottom portion **73**.

FIG. **1** also depicts the first base pole line **141** having a proximal first base pole line end **142** connected to the first base pole bottom portion **43** and a distal first base pole line end **143** connected to the third base pole bottom portion **63**.

FIG. **1** depicts the second base pole line **151** having a proximal second base pole line end **152** connected to the first base pole bottom portion **43** and a distal second base-pole line end **153** connected to the second base pole bottom portion **53**.

FIG. **1** also depicts the third base-pole line **161** having a proximal third base pole-line end **162** connected to the second base pole bottom portion **53** and a distal third base pole-line end **163** connected to the fourth base pole bottom portion **73**.

FIG. **1** depicts the fourth base pole line **171** having a distal fourth base-pole line end **173** connected to the fourth base pole bottom portion **73** and a proximal fourth base-pole line end **172** connected to the third base pole bottom portion **63**.

FIG. **1** depicts the first base ridge junction **31** connected to the first ridge pole proximal end **13**, the second ridge pole proximal end **23**, the first base pole top portion **42** and the second base pole top portion **52**. FIG. **1** also depicts the second base ridge junction **32** connected to said first ridge pole distal end **14**, said second ridge pole distal end **24**, said third base pole top portion **62** and said forth base pole top portion **72**.

FIG. **1** further depicts a first anti-spreader **5** having a first anti-spreader first end **6** attached to the first ridge pole intermediate region **12** of the first ridge pole **11**. The first anti-spreader **5** has a first anti-spreader second end **7** attached to the second ridge pole intermediate region **22** of the second ridge pole **21**.

FIG. **1** further depicts a hammock **2** attached to the first base ridge junction **31** and the hammock **2** also attached to the second base ridge junction **32**.

FIG. **2** depicts another embodiment of the instant invention wherein the first ridge pole **11** has a first ridge pole intermediate junction **15** disposed in the first ridge pole intermediate portion **12** and the second ridge pole **21** has a second ridge pole intermediate junction **25** disposed in the second ridge pole intermediate portion **22**.

In FIG. **2**, the first anti-spreader **5** having the first anti-spreader first end **6** attached to the first ridge pole intermediate region **12** of the first ridge pole **11**. The first anti-spreader **5** has a first anti-spreader second end **7** attached to the second ridge pole intermediate region **22** of the second ridge pole **21**. Also depicted is a second anti-spreader **8** having the second anti-spreader first end **9** attached to the first ridge pole intermediate region **12** of the first ridge pole **11**. The second anti-spreader **8** has a second anti-spreader second end **10** attached to the second ridge pole intermediate region **22** of the second ridge pole **21**.

FIG. **1**, a side view from the right-side, and FIG. **2**, a side view from the left side, are essentially the same, with the exception being the two intermediate junctions and two anti-spreaders. And, although not depicted in FIG. **2**, it is fully anticipated that the first base-pole line **141** connecting the first base pole **41** to the third base pole **61** and the third base pole line **161** connecting the second base pole **51** to the fourth base pole **71** are present in many of the embodiments of the instant invention,

FIG. **3** depicts one embodiment the first anti-spreader **5** having the first anti-spreader first end **6** attached to a first ridge pole loop **206** and attached to the first ridge pole intermediate region **12** of the first ridge pole **11**. The first anti-spreader **5** has a first anti-spreader second end **7** attached to a second ridge pole loop **207** and attached to the second ridge pole intermediate region **22** of the second ridge pole **21**.

FIG. **4** depicts another embodiment having the first anti-spreader **5** having the first anti-spreader first end **6** wrapped around first ridge pole intermediate region **12**, the first anti-spreader second end **7** wrapped around the second ridge pole intermediate region **22**, the second anti-spreader **8** having the second anti-spreader first end **9** wrapped around first ridge pole intermediate region **12**, and the second anti-spreader second end **10** wrapped around the second ridge pole intermediate region **22**.

FIG. **5** depicts another embodiment of the instant invention wherein the first ridge pole **11** has a first ridge pole intermediate junction **15** disposed in the first ridge pole intermediate portion **12** and the second ridge pole **21** has a second ridge pole intermediate junction **25** disposed in the second ridge pole intermediate portion **22**. In FIG. **5**, the first anti-spreader **5** comprises the first anti-spreader first end **6** attached to the first ridge pole intermediate region **12** of the first ridge pole **11** through ridge pole perforation **16**. The first anti-spreader **5** has a first anti-spreader second end **7** attached to the second ridge pole intermediate region **22** of the second ridge pole **21** through ridge pole perforation **16**. Also depicted is a second anti-spreader **8** having the second anti-spreader first end **9** attached to the first ridge pole intermediate region **12** of the first ridge pole **11** through ridge pole perforation **16**. The second anti-spreader **8** has a second anti-spreader second end **10** attached to the second ridge pole intermediate region **22** of the second ridge pole **21** through ridge pole perforation **16**.

In FIG. **5** the first ridge pole intermediate junction **15** is disposed in the first ridge pole intermediate portion **12** between two ridge pole perforations in the first ridge pole **11** and the second ridge pole intermediate junction **25** is disposed between two ridge pole perforations in the second ridge pole **21**.

Clearly, there are many means of attaching lines and anti-spreaders to poles as known by those skilled in the art of line and pole attachment and such attachment means are fully contemplated within the embodiments of this invention. It is further contemplated within the scope of this invention that the base poles, in addition to the ridge poles have perforation through the poles to accommodate lines as well. It is also fully anticipated in the instant invention that

the poles, both ridge poles and base poles comprise telescopic connections for lengthening and shortening in many embodiments comprising the instant invention.

The terms "certain embodiments", "an embodiment", "embodiment", "embodiments", "the embodiment", "the embodiments", "one or more embodiments", "some embodiments", and "one embodiment" mean one or more (but not all) embodiments unless expressly specified otherwise. The terms "including", "comprising", "having" and variations thereof mean "including but not limited to", unless expressly specified otherwise. The enumerated listing of items does not imply that any or all of the items are mutually exclusive, unless expressly specified otherwise. The terms "a", "an" and "the" mean "one or more", unless expressly specified otherwise.

While this invention has been described in terms of several embodiments, there are alterations, permutations, and equivalents, which fall within the scope of this invention. Furthermore, unless explicitly stated, any method embodiments described herein are not constrained to a particular order or sequence. Further, the Abstract is provided herein for convenience and should not be employed to construe or limit the overall invention, which is expressed in the claims. It is therefore intended that the following appended claims be interpreted as including all such alterations, permutations, and equivalents as fall within the true spirit and scope of the present invention.

What is claimed is:

1. An anti-spreader hammock stand comprising a first ridge pole, a second ridge pole, a first anti-spreader, a first base pole, a second base pole, a third base pole, a fourth base pole, a first base ridge line, a second base ridge line, a third base ridge line, a fourth base ridge line, a first base ridge junction and a second base ridge junction;

said first ridge pole having a first ridge pole proximal end, a first ridge pole distal end, and a first ridge pole intermediate portion between the first ridge pole proximal end and the first ridge distal end, said second ridge pole having a second ridge pole proximal end, a second ridge pole distal end and a second ridge pole intermediate portion between the second ridge proximal end and the second ridge pole distal end;

said first base pole having a first base pole top portion and a first base pole bottom portion, said second base pole having a second base pole top portion and a second base pole bottom portion, said third base pole having a third base pole top portion and a third base pole bottom portion said forth base pole having a forth base pole top portion and a forth base pole bottom portion;

said first base ridge line having a first base ridge line upper end and a first base ridge line lower end, said second base ridge line having a second base ridge line upper end and a second base ridge line lower end, said third base ridge line having a third base ridge line upper end and a third base ridge line lower end, said fourth base ridge line having a fourth base ridge line upper end and a fourth base ridge line lower end;

said first anti-spreader having a first anti-spreader first end and a first anti-spreader second end, said first anti-spreader first end connected to said first ridge pole and said first anti-spreader second end connected to said second ridge pole;

said first base ridge junction connected to said first ridge pole proximal end, said second ridge pole proximal end, said first base pole top portion and said second base pole top portion, said second base ridge junction connected to said first ridge pole distal end, said second ridge pole distal end, said third base pole top portion and said forth base pole top portion; and

said first base ridge line upper end connected to said first ridge pole intermediate portion and said first base ridge line lower end connected to said first base pole bottom portion, said second base ridge line upper end connected to said second ridge pole intermediate portion and said second base ridge line lower end connected to said second base pole bottom portion, said third base ridge line upper end connected to said first ridge pole intermediate portion and said third base ridge line lower end connected to said third base pole bottom portion, said fourth base ridge line upper end connected to said second ridge pole intermediate portion and said fourth base ridge line lower end connected to said fourth base pole bottom portion.

2. The anti-spreader hammock stand of claim **1**, further comprising a second anti-spreader, said second anti-spreader having a second anti-spreader first end and a second anti-spreader second end, said anti-spreader first end connected to said first ridge pole and said anti-spreader second end connected to said second ridge pole.

3. The anti-spreader hammock stand of claim **1**, wherein the first ridge pole has a first ridge pole intermediate junction disposed in the first ridge pole intermediate portion and the second ridge pole has a second ridge pole has a second ridge pole intermediate junction disposed in the second ridge pole intermediate region.

4. The anti-spreader hammock stand of claim **3**, further comprising a second anti-spreader, said second anti-spreader having a second anti-spreader first end and a second anti-spreader second end, said second anti-spreader first end connected to said first ridge pole and said second anti-spreader second end connected to said second ridge pole, said first ridge pole intermediate junction disposed between where the first anti-spreader connects to the first ridge pole and the where the second anti-spreader connects to the first ridge pole and said second ridge pole intermediate junction disposed between where the first anti spreader connects to the second ridge pole and where the second anti-spreader connects to the second ridge pole.

5. The antispreader hammock stand of claim **1**, wherein the ridge poles have perforations to receive antispreader ends.

6. The anti-spreader hammock stand of claim **1**, further comprising a base pole line connecting the first base pole bottom portion and the second base pole bottom portion, a second base pole line connecting the bottom of the first pole bottom portion and third base pole bottom portion, a third base pole line connecting the second base pole bottom portion and the fourth base pole bottom portion and a fourth base pole line connecting the third base pole bottom portion and the fourth base pole bottom portion.

7. The anti-spreader hammock stand of claim **1**, further comprising a hammock attached to the first base ridge junction and second base ridge junction.

8. The anti-spreader hammock stand of claim **1**, further comprising perforations in base poles to receive base ridge lines.

9. The anti-spreader hammock stand of claim **1**, wherein the ridge poles and base poles can be comprised of telescopic poles.

10. An anti-spreader hammock stand comprising a first ridge pole, a second ridge pole, a first anti-spreader, a second anti-spreader, a first base pole, a second base pole, a third base pole, a fourth base pole, a first base ridge junction and a second base ridge junction;

said first ridge pole having a first ridge pole proximal end, a first ridge pole distal end, and a first ridge pole intermediate portion between the first ridge pole proximal end and the first ridge distal end, said second ridge pole having a second ridge pole proximal end, a second ridge pole distal end, a second ridge pole intermediate portion between the second ridge proximal end and the second ridge pole distal end, a first base ridge line, a second base ridge line, a third base ridge line, and a fourth base ridge line;

said first base pole having a first base pole top portion and a first base pole bottom portion, said second base pole having a second base pole top portion and a second base pole bottom portion, said third base pole having a third base pole top portion and a third base pole bottom portion said forth base pole having a forth base pole top portion and a forth base pole bottom portion;

said first anti-spreader having a first anti-spreader first end and a first anti-spreader second end, said first anti-spreader first end connected to said first ridge pole and said first anti-spreader second end connected to said second ridge pole;

said second anti-spreader having a second anti-spreader first end and a second anti-spreader second end, said anti-spreader first end connected to said first ridge pole and said anti-spreader second end connected to said second ridge pole;

said first base ridge junction connected to said first ridge pole proximal end, said second ridge pole proximal end, said first base pole top portion and said second base pole top portion, said second base ridge junction connected to said first ridge pole distal end, said second ridge pole distal end, said third base pole top portion and said forth base pole top portion; and

said first base ridge line having a first base ridge line upper end and a first base ridge line lower end, said second base ridge line having a second base ridge line upper end and a second base ridge line lower end, said third base ridge line having a third base ridge line upper end and a third base ridge line lower end, said fourth base ridge line having a fourth base ridge line upper end and a fourth base ridge line lower end, said first base ridge line upper end connected to said first ridge pole intermediate portion and said first base ridge line lower end connected to said first base pole bottom portion, said second base ridge line upper end connected to said second ridge pole intermediate portion and said second base ridge line lower end connected to said second base pole bottom portion, said third base ridge line upper end connected to said first ridge pole intermediate portion and said third base ridge line lower end connected to said third base pole bottom portion, said fourth base ridge line upper end connected to said second ridge pole intermediate portion and said fourth base ridge line lower end connected to said fourth base pole bottom portion.

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